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## Colby College Catalogue 2004 - 2005

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# COLBY COLLEGE CATALOGUE

## 2004-2005



Colby



# Colby College Catalogue

SEPTEMBER 2004-AUGUST 2005

Waterville, Maine

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A booklet, *Colby*, with illustrative material, has been prepared for prospective students and may be obtained from the dean of admissions.

Colby College is accredited by the New England Association of Schools & Colleges. Membership in the association indicates that the institution has been carefully evaluated and found to meet standards agreed upon by qualified educators.

Colby College is a private, coeducational liberal arts college that admits students and makes personnel decisions on the basis of the individual's qualifications to contribute to Colby's educational objectives and institutional needs. The principle of not discriminating on the basis of race, color, sex, sexual orientation, gender identity, religion, age, parental or marital status, national or ethnic origin, political beliefs, or disability unrelated to job or course of study requirements is consistent with the mission of a liberal arts college and the law. Colby is an affirmative action/equal opportunity employer and operates in accordance with federal and state laws regarding nondiscrimination.

The College reserves the right in its sole judgment to make changes of any nature in its program, calendar, academic schedule, fees, deposits, or any other matters in this catalogue. More up-to-date information may be found on the Web at [www.colby.edu/catalogue/](http://www.colby.edu/catalogue/).



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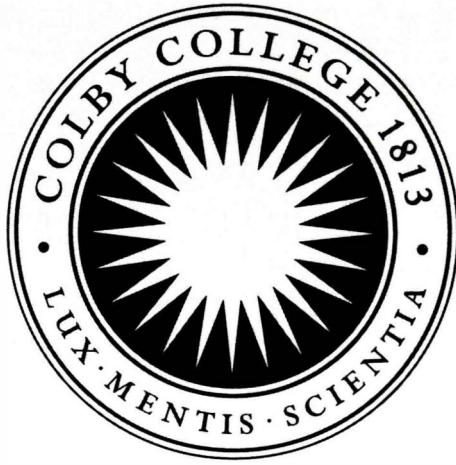
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# Colby's Mission and Goals

Colby is committed to the belief that the best preparation for life, and especially for the professions that require specialized study, is a broad acquaintance with human knowledge. The Colby experience is designed to enable each student to find and fulfill his or her own unique potential. It is hoped that students will become critical and imaginative thinkers who are: welcoming of diversity and compassionate toward others; capable of distinguishing fact from opinion; intellectually curious and aesthetically aware; adept at synthesis as well as analysis; broadly educated with depth in some areas; proficient in writing and speaking; familiar with one or more scientific disciplines; knowledgeable about American and other cultures; able to create and enjoy opportunities for lifelong learning; willing to assume leadership roles as students and citizens; prepared to respond flexibly to the changing demands of the world of work; useful to society and happy with themselves.

Colby stands for diversity; for respect for various lifestyles and beliefs; and for the protection of every individual against discrimination. In the classroom and outside, there is freedom to study, to think, to speak, to work, to learn, and to thrive in an environment that insists upon both civility and the free and open exchange of ideas and views. The behavior of individuals may often affect the rights and well being of others, therefore all members of the campus community are responsible for fostering an environment in which teaching, learning, and research flourish.

The Colby Plan is a series of 10 educational precepts that reflect the principal elements of a liberal education and serve as a guide for making reflective course choices, for measuring educational growth, and for planning for education beyond college. Students are urged to pursue these objectives not only in their course work but also through educational and cultural events, campus organizations and activities, and service to others. These precepts, which the College believes are at the heart of a liberal arts education, are as follows:

- to develop one's capability for critical thinking, to learn to articulate ideas both orally and in writing, to develop a capacity for independent work, and to exercise the imagination through direct, disciplined involvement in the creative process;
- to become knowledgeable about American culture and the current and historical interrelationships among peoples and nations;
- to become acquainted with other cultures by learning a foreign language and by living and studying in another country or by closely examining a culture other than one's own;
- to learn how people different from oneself have contributed to the richness and diversity of society, how prejudice limits such personal and cultural enrichment, and how each individual can confront intolerance;
- to understand and reflect searchingly upon one's own values and the values of others;
- to become familiar with the art and literature of a wide range of cultures and historical periods;
- to explore in some detail one or more scientific disciplines, including experimental methods, and to examine the interconnections between developments in science and technology and the quality of human life;
- to study the ways in which natural and social phenomena can be portrayed in quantitative terms and to understand the effects and limits of the use of quantitative data in forming policies and making decisions;
- to study one discipline in depth, to gain an understanding of that discipline's methodologies and modes of thought, areas of application, and relationship to other areas of knowledge;
- to explore the relationships between academic work and one's responsibility to contribute to the world beyond the campus.

# About Colby

Chartered by the General Court of Massachusetts in 1813, seven years before Maine became a state, Colby is the 12th-oldest independent liberal arts college in the nation. In 1871 it became the first previously all-male college in New England to admit women. Before World War II, the Board of Trustees voted to move the College from its crowded original site in downtown Waterville to the handsome Mayflower Hill campus of more than 700 acres, where 62 buildings have been constructed since 1937.

Colby is an undergraduate liberal arts college and confers the bachelor of arts degree. Today, Colby's 1,800 students—evenly divided between men and women—come from virtually every state and about 70 foreign countries. Alumni, numbering more than 23,000, are represented in all 50 states and 75 foreign countries. Students may choose from some 500 courses in 53 major fields and have wide flexibility in designing independent study programs, electing special majors, and participating in internships and exchange programs. More than two thirds of all Colby students will study abroad at some time during their undergraduate experience.

Historically, Colby has valued understanding of and concern for others, diversity of thought and culture, open access to campus groups and organizations, and personal and academic honesty. In order to embrace and support these values, members of the College community bear a special responsibility, in all of their words and actions, to honor and protect the rights and feelings of others.

In 1984, following an investigation of campus life commissioned by the Board of Trustees, a decision was made to withdraw recognition from Colby's fraternities. The fraternity decision opened up housing throughout the campus to all students on an equal basis, and it created opportunities for students to play a significant role in governance at Colby. Student-faculty collaboration has long been an important part of the culture, and programs to enhance those relationships were instituted.

Colby College is dedicated to the education of humane, thoughtful, and engaged persons prepared to respond to the challenges of an increasingly diverse and global society and to the issues of justice that arise therein. The College also is committed to fostering a fully inclusive campus community, enriched by persons of different races, genders, ethnicities, nationalities, economic backgrounds, ages, abilities, sexual orientations, and spiritual values. We strive to confront and overcome actions and attitudes that discourage the widest possible range of participation in our community, and we seek to deepen our understanding of diversity in our daily relationships and in our dealings as an institution.

## Presidents

1822-1833	JEREMIAH CHAPLIN
1833-1836	RUFUS BABCOCK
1836-1839	ROBERT EVERETT PATTISON
1841-1843	ELIPHAZ FAY
1843-1853	DAVID NEWTON SHELDON
1854-1857	ROBERT EVERETT PATTISON
1857-1873	JAMES TIFT CHAMPLIN
1873-1882	HENRY EPHRAIM ROBINS
1882-1889	GEORGE DANA BOARDMAN PEPPER
1889-1892	ALBION WOODBURY SMALL
1892-1895	BENIAH LONGLEY WHITMAN
1896-1901	NATHANIEL BUTLER JR.
1901-1908	CHARLES LINCOLN WHITE
1908-1927	ARTHUR JEREMIAH ROBERTS

1929-1942	FRANKLIN WINSLOW JOHNSON
1942-1960	JULIUS SEELYE BIXLER
1960-1979	ROBERT EDWARD LEE STRIDER II
1979-2000	WILLIAM R. COTTER
2000-	WILLIAM D. ADAMS

**Accreditation and Memberships** Accredited by New England Association of Schools & Colleges, Maine Department of Education, American Chemical Society, and Accreditation Association for Ambulatory Health Care. Member of The College Board, College Scholarship Service, American Council on Education, National Association of Independent Colleges and Universities, New England Board of Higher Education, Council for the Advancement and Support of Education, American Library Association, New England Library Network, Center for African and Afro-American Studies, New England Regional Conference of the National Council for Black Studies, American Institute of Indian Studies, and American Studies Association. College member of American Association of University Women; chapter of American Association of University Professors; New England Small College Athletic Conference. Colby chapter of Phi Beta Kappa founded in 1895. Colby College Museum of Art accredited by the American Association of Museums.



# Libraries

The Colby libraries consist of three libraries that provide collections, services, and space for study and research. Miller Library, the often-photographed building with the clock tower in the center of campus, houses the humanities and social science collections, the College archives, and Special Collections. The building contains a wireless network as well as some study areas and a computer cluster that are open 24 hours a day. The Art and Music Library, in the Bixler Art and Music Center, features an extensive collection of art and music books, journals, sound recordings, a computer lab/listening center, and study spaces with Internet access. The science library, in the F.W. Olin Science Center, includes books and journals to support biology, chemistry, environmental science, geology, physics, astronomy, computer science, and mathematics. Individual as well as group study areas, each complete with Internet access, are available. The Colby libraries are open from early morning until late at night throughout the academic year and during daytime hours in the summer.

An open-stack system allows easy access to a collection of more than 900,000 items, and the online catalog and the library's electronic indexes and Internet files are available on library workstations and computers campus-wide. The collection strongly supports all curriculum areas and contains more than 1,300 currently received print journals and another 8,500 electronic journals, many long runs of retrospective periodicals of historical and scholarly value, and daily newspapers from this country and abroad. The Colby libraries are a depository for U.S. and Maine state documents.

Colby is an active participant in Maine Info Net, a statewide online catalog of more than six million items. Colby students, faculty, and staff can search and request materials from Bates, Bowdoin, the University of Maine, and many of the larger public libraries in Maine. A daily courier among libraries ensures rapid delivery of needed materials. Reference librarians and interlibrary loan staff help researchers identify and obtain resources beyond those in the Maine Info Net collections.

Ten professional librarians provide research assistance to students, faculty, and outside researchers. Instruction in the use of the library and its research materials is offered throughout the curriculum, from an introduction in beginning English classes to in-depth subject searching using sophisticated tools in upper-level classes. Students, faculty, and other researchers seeking individual assistance are welcome at all reference desks.

Special collections of first editions and manuscripts in Miller Library have achieved international recognition. The Edwin Arlington Robinson Memorial Room, named for the famous Pulitzer Prize-winning Maine poet, contains his books, manuscripts, letters, and memorabilia. The Thomas Hardy Collection is one of the most extensive in the country. Other authors represented in the Robinson Room include A.E. Housman, Sarah Orne Jewett, Kenneth Roberts, Henry James, Willa Cather, John Masefield, William Dean Howells, and Thomas Mann.

The John and Catherine Healy Memorial Room contains the James Augustine Healy Collection of Modern Irish Literature, with numerous inscribed copies, manuscripts, and holograph letters of William Butler Yeats, Sean O'Casey, James Joyce, George Bernard Shaw, and many others. The Healy Collection has 7,000 primary and critical sources representing the Irish Literary Renaissance, 1880-1940.

The Alfred King Chapman Room houses the College archives, which hold more than 4,000 manuscript files pertaining to Colby alumni, faculty, and staff dating from 1813 to the present. Also included is an extensive collection of books by Colby graduates and faculty.

Detailed information about Colby's library collections and services is provided on the Colby Web site at [www.colby.edu/library/](http://www.colby.edu/library/).

# Information Technology Services

A wide range of information technology resources and support is available at Colby. Computers and network resources, which are recognized as valuable tools for scholars in all disciplines, are used by faculty members and students in all disciplines, and the College is committed to making appropriate computing resources available. In all courses, faculty use computers in some way; in addition to student writing assignments almost invariably done on computers, students frequently will encounter course assignments that require computer use.

The College has a dual Macintosh and Windows computer-standard strategy, enabling a choice of computing platform within the bounds of what can be supported reasonably and effectively within our highly networked environment. The Macintosh is the most common system in faculty offices and labs, and Windows is most common in administrative offices, though there is a trend, with the dual standard in place since 1998, toward more equal distribution in academic areas. Both Macintosh and Windows systems are available in the Lovejoy cluster (Lovejoy 400). Macs are located in the Olin computer classroom (Olin 323), and Windows computers are located in the library cluster (Miller 16) and the Davis Educational Foundation Electronic-Research classroom in the library. Specialized computing facilities dedicated to particular departments are located in Biology, Chemistry (including the advanced UNIX/Linux systems in the Schupf Scientific Computing Lab), Computer Science, Economics, Geology, Language Resource Center, Mathematics, Music, Physics, and Psychology. About 95 percent of all students own a computer. It is expected that students will be able to use both Windows and Macintosh computers.

Central computing systems include several Sun and Hewlett Packard UNIX minicomputer systems for academic use. A Colby account is set up automatically for each student. Each account provides integrated electronic mail and storage of personal Web pages linked to the campus Web server. Access to the network is available from computers in all public clusters and from student rooms. The Colby libraries' online catalog and links to various academic databases are also available.

Colby's data communications network, built around a gigabit Ethernet backbone through the academic buildings, is available in all student computer clusters and in every faculty office and all classrooms. All residence halls have direct Ethernet access to the network with a port available for each student and additional ports located in many lounges and study areas. Wireless network access (802.11abg) is available in parts of Miller Library, including in the first-floor study area and in the informal study and gathering area, known as "The Street," on the ground floor. The College has high-speed (20 Mbps over two partial T3s) Internet access.

Assistance can be obtained from student consultants at Student Computer Services, located next to the Lovejoy cluster, and from the Information Technology Services (ITS) staff. Workshops by students and the ITS staff are scheduled throughout the year to introduce the computer and network systems, Microsoft Office applications, e-mail, and Web use and to provide advanced information on specific topics. A newsletter is published to inform users of workshop schedules, provide helpful tips, and discuss policy issues. ITS Web pages ([www.colby.edu/info.tech](http://www.colby.edu/info.tech)) provide information online.

Colby has a Microsoft Campus Agreement that provides for each student a license to Microsoft Office and a variety of other software, including all upgrades. Antivirus software also is licensed by the College for each student to use.

The Media Services group of ITS, located in the Audiovisual Center in Miller Library, provides support for technology resources in classrooms and elsewhere on campus. (About 75 percent of classrooms have installed data/video/audio presentation technology.) In

addition to offering equipment delivery and loan services, the group also produces educational materials and provides instruction in many media-related areas. An assortment of equipment for student and faculty use (e.g. overhead projectors, portable computer projection systems, camcorders, and sound systems) is maintained, as are video conference facilities. Through its satellite downlink and commercial cable services facilities, Media Services provides multilingual and special-interest programming to the campus via cable TV, which is available in each suite of rooms in the residence halls.

The Information Technology Committee, made up of faculty, staff, and students, advises ITS and the president. All meetings are open, and those interested in computing issues are encouraged to participate in discussions.

Information about Colby's current events, publications, and academic programs is available at [www.colby.edu](http://www.colby.edu).

## Special Programs

Recognizing that diverse interests exist in every community and that even the most professionally trained individuals have a need to continue their educations, Colby maintains an Office of Special Programs with a full-time director.

Each summer, approximately 6,000 individuals from throughout the nation and other countries are on campus for courses, conferences, seminars, and institutes in areas of medicine and public and professional services and for youth programs and sports camps.

The major focus of the summer programs is continuing medical education (CME). Colby is the only undergraduate college in the country approved by the Accreditation Council for Continuing Medical Education to sponsor CME for physicians. Health care professionals attend about 10 CME offerings at Colby each summer.

A coordinating council of Colby administrators and physicians from Waterville's MaineGeneral Medical Center advises and helps to manage this educational component.

Approximately 60 doctors enroll each summer in the seven-week Lancaster Course in Ophthalmology, and two- to four-day seminars are held in anesthesiology, child abuse, childhood behavioral disorders, emergency medicine, forensic medicine, ophthalmology, and pediatrics. The Maine Orthopaedic Review is a two-week course. In addition to CME accreditation, American Academy of Family Practice credit is generally available for courses designed for primary care physicians.

Public and professional service programs include the Great Books. The Portland String Quartet is in residence for two weeks. Youth camps for lacrosse, soccer, football, basketball, baseball, cross country, crew, and other sports are available. Colby plays host to Gear Up, a federal program helping to raise the aspirations of seventh graders. In 2002 Colby's Special Programs began a relationship with the Gordon Research Conferences, which provide an international forum for the presentation and discussion of frontier research in the biological, chemical, and physical sciences. Eight conferences are now held at the College.

During the academic year, the office arranges annual conferences such as the Colby Institute for Leadership. Noncredit courses for which the continuing education unit may be earned also are structured and evaluated through Special Programs. In addition, Special Programs coordinates arrangements for conferences during the academic year.

Information may be obtained by writing to the director.



# Career Services

Colby's commitment to the liberal arts embraces the firm belief that the breadth and quality of a Colby education should be extended to include an equally broad choice of meaningful and rewarding career opportunities. Located in the Eustis Administration Building, the Office of Career Services strives to acquaint students with career options, offers insight into various professions, and assists in preparation for the actual career search. Students, parents, and alumni are invited to visit the office to discuss career concerns, offer suggestions, and avail themselves of the resources.

The staff works with academic advisors and other members of the faculty and staff to assist undergraduates in the selection of courses and experiential options that best meet each student's individual interests and needs. Students considering careers in medicine, veterinary medicine, and dentistry are advised to meet with a member of the Health Professions Preparation Committee for these areas as early as possible in the first year, and those interested in law and business should see the pre-law or pre-business advisors.

The Career Services library includes extensive information on career fields, job-search techniques, current employment openings for permanent and summer positions, internships, and graduate-degree programs. Computers and typewriters also are available for student use.

Students are encouraged to experiment with eChoices and "Do What You Are," computer programs that provide interest testing and value determination as well as information about hundreds of professions. Workshops and individual counseling on career exploration, job search, and interviewing techniques can be as helpful to the underclass student seeking a summer job or January internship as to the senior seeking a permanent career opening. In addition, a lifetime reference file may be opened at any time, and an e-mail newsletter is distributed throughout the campus on a weekly basis, listing current activities and programs as well as career-related opportunities. All job openings also are posted on the Career Services searchable Web site ([www.colby.edu/career.serv](http://www.colby.edu/career.serv)).

Specific programs for seniors include a recruitment program that brings representatives from graduate and professional schools to the campus in the fall and from a wide variety of employers throughout the year. Consortium programs with other institutions allow for the opportunity to interview with a variety of additional firms and organizations at single locations in Boston and New York City. Information and applications for the Graduate Record Examinations, Graduate Management Admission Test, Law School Admission Test, Medical College Admissions Test, National Teachers Examination, and the Foreign Service Examination can be obtained by seniors in the office. The LSAT and GRE subject tests are administered at Colby each year.

With the generous support of Colby graduates and parents of current students, a broad network of persons in various professions and widespread geographical locations has been established to assist students and alumni in career exploration. Parents and alumni have agreed to conduct informational interviews, be hosts for on-site visits, and sponsor internships for January and the summer, and they can be contacted through an online directory of alumni and parents. Information on these opportunities can be obtained from the Office of Career Services. More specific information on January internships and other field experience options is also available in the Office of Career Services.

# Admission

Colby admits students as candidates for the degree of bachelor of arts. Admission is highly selective, and evaluation is based on data concerning academic achievement and ability, as well as qualities of intellectual promise, interest and excitement in learning, character, and maturity.

The College actively seeks applicants who have special qualities or talents to contribute to the Colby community, as well as those who represent diverse geographical, racial, ethnic, religious, and economic backgrounds. Such candidates are expected to be within acceptable ranges of academic ability and preparation.

The quality of a candidate's preparation is judged by the academic record, references from school administrators and teachers, and results of tests administered by The College Board or by the American College Testing Program.

To ensure a common educational base, a minimum of 16 academic preparatory units is strongly recommended, including four years of English, at least three of a single foreign language, three of college preparatory mathematics, two of history or social studies, two of laboratory science, and two years of other college preparatory electives.

Colby supports the efforts of secondary school officials and governing bodies to have their schools achieve regional accredited status, in order to provide reliable assurance of the quality of the educational preparation of its applicants for admission.

Eighty-four percent of the members of the Class of 2004 graduated from Colby in four years. The six-year graduation rate of the Class of 2002 was 88 percent.

## Application Schedule

*November 15:* Deadline for filing applications for fall option early decision admission and financial aid. Notification: by December 15.

*December 1:* Deadline for filing applications for midyear transfer admission. Notification: December 31.

*January 1:* Deadline for filing applications for winter option early decision admission and financial aid. Notification: by February 10.

*January 1:* Deadline for filing applications for regular admission.

*March 1:* Deadline for filing fall transfer applications and financial aid requests. Notification: May 15.

By *April 1:* Notification of action by admissions committee and of financial aid awards to the applicants for first-year student admission who did not apply early decision.

*May 1:* Admitted regular applicants confirm intention to attend Colby by payment of \$300 advance tuition deposit.

**Interviews** Interviews, though not required, are recommended and are available on campus from May 1 to mid-January. Appointments may be scheduled for between 8:45 a.m. and 3:45 p.m. on weekdays and on most Saturday mornings in the fall.

Interviews with alumni can be arranged for students who are unable to visit the campus and who would like additional personal contact and information about the College.

**Campus Visits** A visit to Colby is encouraged. Guides are normally available at the Admissions Office on weekdays, and tours may be arranged on many Saturday mornings in the summer and fall. Group information sessions also are available on most weekdays at 10:45 a.m. and 2:45 p.m.

A list of motels near the campus is available from the Admissions Office. High school seniors who wish to spend a night on campus may do so through the Colby Host Program. The program operates three days a week (Sunday through Tuesday) during selected months of the academic year. Requests for accommodations through the host program should be directed to the Admissions Office. Accommodations are limited to one night.



Colby is located near exit 127 of I-95. Waterville also may be reached by bus, by air to nearby Augusta, or by airport limousine from the Portland Jetport or the Bangor International Airport.

**Tests** Colby requires either the College Board SAT-I or the ACT test. Submission of the College Board SAT-II Subject Tests is optional, but a foreign language Subject Test is recommended for students seeking to fulfill the College's language requirement in this manner. All required tests must be taken no later than January of the senior year. Early decision candidates must take these tests earlier in their senior year or in their junior year. Applicants must request that test results be sent to Colby directly from the appropriate testing agency. Students taking the College Board tests should contact College Board SAT Program, P.O. Box 6200, Princeton, NJ 08541-6200. Students taking ACT tests should make requests to ACT, P.O. Box 168, Iowa City, IA 52243. The Colby College test code is 3280. Beginning with applicants to the Class of 2010, all candidates must submit SAT-I or ACT results with a writing test component.

**Advanced Standing** Colby participates in the Advanced Placement Program of The College Board, providing academic credit for students qualified for advanced standing. Those interested take the College Board advanced placement tests and have the results submitted to Colby for evaluation. Students scoring 4 or 5 receive credit from the College. Scores of 3 and below are evaluated by the appropriate academic department. Students who earn between 15 and 29 hours of advanced placement credit may, upon application, use that credit to count toward one semester of the eight-semester residency requirement. Students who earn 30 hours or more may, upon application, count those credits toward two semesters of the eight-semester residency requirement.

Colby also recognizes the International Baccalaureate and offers advanced placement and credit based on individual Higher Level examination results as well as performance on the full IB Diploma program. At the discretion of individual academic departments, advanced placement and credit may be earned for scores of 6 and 7 on Higher Level examinations. Students may earn up to a full semester of standing in this manner. A full year of credit may be earned for an IB Diploma point total of 36 or better, assuming all examination scores are 5 or better.

Finally, students who receive an A or B (superior level) on A-levels or comparable scores on the Leaving Certificate (Ireland), the Abitur (Germany), or the Baccalaureate (France) may be eligible for credit and advanced placement. Credits will be granted in consultation with the appropriate department and only after the student has shown satisfactory progress during his or her first semester at Colby.

**Early Admission** A small number of students are admitted without completing the senior year of secondary school. This is done only with the recommendation of the secondary school. Considerations of academic and personal maturity are important to the candidate and to the College in earlier-than-usual admission.

**Midyear Admission** Each year more Colby juniors study off campus during the second semester than during the fall, and 35 to 40 spaces for incoming students usually become available at the beginning of the January term. A student who applied for admission in the fall semester may be offered admission for midyear. For these students Colby offers two fall semester abroad options, which are described on page 37 and 38. A student who participates in one of the College's fall semester abroad programs enters Colby with a group of friends acquired through the program and with enough credits to progress toward the degree at the same pace as his or her classmates.

**Transfer Students and Veterans** First consideration in admission is for first-year students, but some transfer students are accepted each year. Admission by transfer is open to those with strong academic and personal records from accredited colleges or universities. Transfer application forms may be obtained from the Admissions Office.

Credits from accredited institutions are generally accepted for courses comparable to those offered at Colby in which grades of C or better are received. No more than 64 transferable semester credit hours may be applied toward a Colby degree.

Veterans may request advanced standing consideration for completion of service schools in advance of matriculation. Credit is not granted for military service or College Level Educational Program (CLEP) tests.

**Health Records** No student will be allowed to register, attend classes, or participate in any campus activities, including COOT (Colby Outdoor Orientation Trips), until health and immunization records have been received and approved by the Garrison-Foster Health Center. Documentation of a physical examination within the past six months is required. Proof of the following immunizations is also required: tetanus and diphtheria—primary series plus booster within 10 years, polio series plus booster, and two doses of measles and at least one dose of mumps and rubella vaccines given after the first birthday.

Not required but recommended are the hepatitis B immunization series, a meningitis shot, and a chicken pox vaccine if there is no history of this disease. Students are encouraged to discuss these recommended vaccines with their health care provider during the summer. Arrangements can be made through the Health Center to receive these non-required vaccines.

Maine state law requires that immunization records be complete, showing month, day, and year that immunizations were given, and that they include the signature and address of the health care provider; a valid copy of school immunization records or hospital/clinic records also may be acceptable. Details can be found in the Immunization Form mailed to all students or on the Health Center Web page: [www.colby.edu/health.serv](http://www.colby.edu/health.serv). If proof of vaccinations cannot be obtained, vaccines should be administered again by the student's health care provider before the student travels to Colby. It is expected that physical exams and immunization forms will be completed by July 15.

**Nonmatriculated Students** Application to enroll as a nonmatriculated student must be made to the dean of admissions, who has the responsibility for the admission of all students. Registration in individual courses requires the approval of the course instructor and may be limited; matriculated students have priority in admission to courses with limited enrollments.

All persons seeking to take courses for credit must present evidence that they are qualified to pursue the intended courses and must pay the established fee. A limited number of gifted Waterville-area secondary school students may be recommended by their schools to take a course. Adults from the immediate Waterville area who are not degree candidates may qualify to take courses at one half the usual fee or may audit courses at no charge.

Persons wishing to enroll as auditing students must also apply to the dean of admissions and are referred to the section "Auditing Courses" on page 35.

**International Students** Colby has traditionally encouraged the enrollment of students from other countries and is actively engaged in programs of international cooperation and exchange.

Applicants to Colby must be able to understand and be understood in English. Oral and writing skills are essential for successful work at Colby. Colby requires the College Board SAT-I Reasoning Test or the American College Test (ACT), if either of these tests is offered in a student's home country. In addition, applicants whose native language is not English and who have attended a secondary school in which the medium of instruction is not English, must submit the official results of the SAT-II Subject Test in Writing (English)

or the Test of English as a Foreign Language (TOEFL). Submission of other SAT-II Subject Test results is optional. Arrangements may be made to take these examinations in various centers throughout the world by writing to College Board SAT Program, P.O. Box 6200, Princeton, NJ 08541-6200, U.S.A. To ensure that the results are sent promptly to Colby, please use the Colby College code, 3280. United States embassies and consular offices can provide pertinent information about these examinations. These offices often have booklets describing the tests and may have practice tests for applicants' use.

Financial aid for international students is available in limited amounts. Applicants for financial aid should complete the International Student Financial Aid Application, which, upon request, is sent with Colby admissions materials. All applications are due in the Admissions Office, with supporting documents, by January 1.

An associate dean of students is responsible for multicultural activities, and another associate dean of students is responsible for international activities and serves as the advisor to international students on immigration matters. An intensive English Bridge Program during the fall semester serves conditionally admitted students whose TOEFL or other verbal scores are below Colby's minimum for acceptance. Individual English language tutoring is available to any international student at any time during the academic year.

## Orientation and Placement

From the time of admission until they arrive on campus, new students are invited to make use of the admitted students' Web site and a "hot line" to the College to get answers to any questions they may have. An on-campus orientation program for first-year and other new students is held just before the beginning of each new semester. The program includes an introduction to the intellectual and social life of the College, meetings with academic advisors, and placement examinations. Prior to the orientation, first-year students may participate in COOT (Colby Outdoor Orientation Trips), conducted by upperclass students, alumni, faculty, and staff members.

**Placement in Mathematics** During orientation, first-year students will have the opportunity to attend a mathematics placement meeting with the faculty to discuss their placement. Any student intending to take a mathematics course numbered above 111 should attend. Any student intending to register for Mathematics 212, 231, 253, or 274 should consult with his or her advisor and with the chair of the Department of Mathematics.

**Placement in Foreign Languages** Students wishing to continue the study of a foreign language at Colby are encouraged to take The College Board SAT-II test in that language. The results are used to place the student at the appropriate level. Guidelines for placement in foreign language study are included in the course registration packet sent annually to members of the incoming first-year student class.

If a student has not taken the SAT-II test and wishes to continue studying a language, he or she will be placed on the basis of a required placement exam given during the orientation period for new students. Students whose SAT-II scores are more than a year old at the time of registration also are required to take the Colby placement exam.

Students who have earned a grade of 4 or 5 on an Advanced Placement examination may be eligible for placement in upper level language courses.

Students who have had two or more years of language study may receive credit for the first semester of the elementary course of that language only if the appropriate department determines that their preparation is not adequate for a more advanced level.

Placement for students in languages for which no College Board test is available is determined by consultation with the appropriate department.



# Student Fees

## Annual Basic Charges 2004-2005

	<i>Sem. I</i>	<i>Sem. II</i>	<i>Total</i>
Comprehensive Fee	\$19,900	\$19,900	\$39,800

## Calendar of Payments 2004-2005

<i>Upon Acceptance for Admission:</i> Admission deposit—new students only (nonrefundable).	\$300
<i>August 1:</i> One half of annual basic charges, less admission deposit if applicable.	\$19,900
<i>August 1:</i> Colby Outdoor Orientation Trip fee—new students only.	\$225
<i>January 1:</i> One half of annual basic charges.	\$19,900

## Deposits

*Admission Deposit for All New Students:* A nonrefundable deposit of \$300 is due on or before the date of confirmation of intention to attend. This deposit is credited against the charges for the student's initial semester of enrollment and will be forfeited if the student does not enroll.

*Study Abroad Deposit:* Students participating in a Colby program abroad are required to pay a \$500 deposit. This deposit is forfeited should the student withdraw from the program.

## Comprehensive Fee

*Tuition:* All matriculating students are required to enroll for at least nine credit hours each semester. Exceptions are made by the dean of admissions in the case of nontraditional students and by the dean of students in certain cases of regular students with extenuating circumstances that prohibit them from carrying a normal course load. Students who receive loans and/or grants should be enrolled for at least 12 credit hours per semester to qualify for these funds. In exceptional cases, students may be charged on a credit hour basis at the rate of \$1,170 per credit hour.

With permission of the dean of students, seniors needing fewer than nine hours in their final semester may take only that number of credit hours necessary to meet their graduation requirement. In such cases, however, the full comprehensive fee per semester will be charged.

*Board:* The College offers a board plan of 21 meals per week. Students living in The Harold and Bibby Alford Residence Complex will receive a rebate of \$1,085 per semester and will receive 100 meals per semester.

*Room:* Students are expected to occupy College housing facilities to the full extent of their availability. Other arrangements may be made only with specific approval of the dean of students. Residence hall reservations are made through the Office of the Dean of Students.

*Room and Board Rebate:* Students enrolled on campus who are approved to live off campus will receive a room and board rebate of \$2,370 per semester and will receive 100 meals per semester.

Included in the comprehensive fee is an allocation for the Student Government Association and funding of College health services. There are no additional fees for staff services in the student health center or for the minimal student health insurance plan that is designed to augment students' home health insurance coverage and that the College provides as part of its health services package to all students who pay the general fee. Students and their families are encouraged to check home policies for coverage while students are in college and/or to consider expanded health insurance coverage for the college years. The College is reviewing the Colby health plan and may decide to require, beginning with the 2005-2006 academic year, that all students provide their own comprehensive health insurance.

**Off-Campus Study Charges** Two types of off-campus study programs are available at Colby: *approved* non-Colby off-campus study and *Colby or Colby-Bates-Bowdoin (CBB)* off-campus programs.

Students who are engaged in approved non-Colby off-campus foreign or domestic study programs pay all fees directly to the host institution. For Colby and CBB programs abroad and domestic exchanges, a comprehensive fee including tuition, room, board, and travel applies. Financial aid is available to students enrolled in the approved off-campus programs as well as to those enrolled in Colby and CBB abroad programs. All Colby and CBB abroad programs require a \$500 attendance deposit. Semester fees for the 2004-2005 Colby and CBB off-campus programs are as follows:

### Semester Charges

Colby in Cork . . . . .	\$19,900
Colby in Dijon . . . . .	\$19,900
Colby in St. Petersburg . . . . .	\$19,900
Colby in Salamanca . . . . .	\$19,900
Colby in Washington . . . . .	\$13,800
CBB London Center . . . . .	\$19,900
CBB Quito Center . . . . .	\$19,900
CBB Cape Town Center . . . . .	\$19,900

Students who expect to transfer credits for full-time study in an approved non-Colby program will be subject to a fee of \$1,000 per semester. This fee will be charged on the Colby tuition bill.

Information regarding application deadlines and other program details may be obtained from the Off-Campus Study Office.

**January Program** A January Program that requires extensive travel, special materials, or highly specialized outside instruction carries a fee calculated to reflect the costs of the individual program. Such fees are published annually in the January Program brochure.

Students who are not enrolled on campus for the fall and/or spring semester will be charged a fee of \$3,370 for tuition only for participating in the January Program. If on-campus housing is provided, an additional charge will be assessed.

### Miscellaneous Charges

*Applied Music:* A student receiving musical instruction under the applied music program during any semester or Jan Plan is charged a fee of \$210 per semester for a half-hour (\$420 per hour) of instruction each week for credit or non-credit. Music majors are eligible for subsidized instruction; refer to the "Music" section in this catalogue for details.

*Medications:* A student will be charged for the cost of prescription and non-prescription medicines prescribed by the health services staff.

*Fines:* Fines are charged for: failure to register automobiles, parking violations, late return of library books, checks returned as uncollectible, and disciplinary actions.

*Damage to or Loss of College Property:* Liability for damage or loss of College property located within individual residence hall rooms lies with the resident(s) of the room. When damage or loss of College property occurs in residence hall common areas (e.g., lounges, hallways, lobbies, bathrooms), the Office of Residential Life will make every effort to identify the individuals responsible and to bill them. In cases in which residential life staff determines that responsibility lies with the residents of a specific section of a residence hall, those students will be billed. When the individuals responsible for damage or loss of College property cannot be identified, the cost of repair or replacement is accumulated by the residence hall. At the end of each semester, Residential Life, in cooperation with the Physical Plant Department, determines the cost of all unidentified damage and loss of College property and bills the residents of each residence hall on a pro rata basis. Any conflicts regarding assignment of responsibility may be directed to the Judicial Board.



**Payment of Bills** Statements for basic charges normally are mailed two to four weeks before they are due. Additional statements are furnished monthly for accounts with outstanding balances due and may be mailed to students as deemed necessary by the College.

Prior to registration day each year, student accounts must be paid or satisfactory arrangements made with Student Financial Services. If the balance on the account is to be paid by an outside scholarship, a 30-day late fee waiver will be granted for the amount of the scholarship only if the student notifies Student Financial Services of this information prior to registration day. It is the student's responsibility to ensure that all financial matters are resolved prior to registration. Payments are applied against charges in the order in which the charges appear on the student's account.

Notwithstanding any other provision in this catalogue, a student's account, including tuition, room and board, fees, charges, and fines, must be paid in full before that student will be allowed to receive transcripts, participate in the annual room draw process, participate in baccalaureate or commencement exercises, or receive a degree or diploma.

In the event that a student account is delinquent, the account may be placed with a collection agency or an attorney for collection. All collection costs, including attorney's fees, will be charged to the student.

The College does not accept either credit cards or post-dated checks for payment of student account charges. A fee of \$15 is charged for any returned check.

**Late Payment Fees** A late payment fee of 1.5 percent of an unpaid balance of \$1,000 or more will be assessed at the first of each month for as long as such a balance remains unpaid. A balance must be 30 days old to be assessed a fee. Assessment dates for September and February will coincide with registration rather than with the first day of those months. In order to avoid late payment assessments, please allow ample time for mail delivery to Colby's Connecticut bank as Colby is not responsible for delays caused by mail delivery. Correspondence should be forwarded to Student Financial Services at the Waterville address (4130 Mayflower Hill) and should not be mailed to the lockbox address.

**Loan and Payment Plans** The College makes available a number of loan and payment plans. Those interested in such plans may contact Student Financial Services at 1-800-723-4033.

**Refunds** In cases of voluntary withdrawal during the period for which a student has been billed, a student may be eligible for a refund of basic charges as follows (except as outlined below):

**Fall Semester**

September 8 through September 18	.90%
September 19 through October 9	.50%
October 10 through October 30	.25%
October 31 through December 21	.0%

**Spring Semester**

February 2 through February 12	.90%
February 13 through March 4	.50%
March 5 through April 1	.25%
April 2 through May 16	.0%

Pro rata refunds of the basic charges will be made for students who withdraw upon advice from the College physician during the fall and spring semesters. (Refunds of basic charges are not granted to full-time students withdrawing during the January Program.) A similar refund policy is in effect for Colby and CBB off-campus programs; however, as starting and ending dates vary, the specific dates are determined by individual programs as they correspond to the relevant percentages of the semester's duration.

The College offers an optional tuition refund insurance designed to reduce the financial loss caused by a medical withdrawal. Brochures are mailed in July to the billing address.

No refund will be made until the withdrawal/leave process established by the dean of students is completed.

Federal regulations determine the amount and the order in which federal loans and scholarships are to be refunded.

A refund of raw food costs for the period of the January Program is made to a student who has completed the first semester with a full 21-meal board contract and who does not live or eat on campus during the January Program. A request for this refund must be made to Student Financial Services by the end of the first semester. The refund will be credited to the student's account at the beginning of the second semester. No other refunds are made for students who elect not to do an on-campus January Program.

**Future Tuition and Fees** The College projects that Colby costs likely will increase above inflation in order to: maintain the real growth in salaries comparable to professionals outside of higher education; continue a financial aid grant program for about one third of all Colby students; maintain and update the College's physical plant and sophisticated equipment; and retain flexibility for currently unforeseen but essential investments that will be needed to keep Colby in the forefront of innovation and excellence in national liberal arts colleges.

**General Information** Student Financial Services is located on the first floor of the Garrison-Foster Building. Staff members are available on weekdays between 8:30 a.m. and 4:30 p.m. to answer questions about student accounts, financial aid, student and parent loans, and College financial policies.

## Financial Aid

Colby offers financial aid to admitted students who demonstrate financial eligibility and are enrolled full time. In order to ensure equal access and opportunity for students from all economic backgrounds, Colby awards more than \$18.9 million annually in grants, loans, and campus employment to approximately 1,100 full-time students, or 65 percent of the enrollment.

The average aid package awarded to 704 grant recipients in 2003-2004 was \$26,230. In addition to Colby's own programs, these awards include the full range of federal and state financial aid programs, including Federal Pell Grants, Federal Supplemental Educational Opportunity Grants (FSEOG), Federal Perkins Loans, Federal College Work-Study, and Federal Stafford Loans.

Colby requires all aid applicants to submit the Free Application for Federal Student Aid (FAFSA) to the federal processor before February 1. On the basis of the FAFSA, parents' and students' tax returns, and either the Colby financial aid application or the College Scholarship Service Profile form, the College determines eligibility within the context of Colby policy and federal regulations. Students who do not apply for financial aid prior to admission will not be considered for Colby grant assistance for two award years, unless their family financial circumstances change unexpectedly.

Early decision applicants for financial aid must file either the Colby financial aid application or the CSS Profile form before November 15 for Round 1 Early Decision candidates and before January 1 for Round 2 Early Decision candidates.

To provide flexibility, Colby also accepts an outside payment plan and a number of parent loan programs. Students who seek more detailed information may write for the pamphlets "Financial Aid and the Value of a Colby Education" and "Financing a Colby Education" or contact the Office of Admissions and Financial Aid.

Aid also is available for programs of study abroad and domestic programs of study away that are approved by the Office of Off-Campus Study. The only domestic programs for which federal or Colby aid may be used are those listed in the "Off-Campus Study Handbook."

Aid for programs of study off campus is based on the actual cost of the program plus an administrative fee, up to a maximum of Colby's cost. Student loans may enable financial aid recipients to replace term-time earnings, which are not available on foreign campuses.

Parents and students may review information in the Student Financial Services and Career Services offices concerning scholarships offered by non-Colby organizations.

As stated more fully in the section on "Academic Procedures" in this catalogue, the Committee on Academic Standing reviews the records of all students at the end of each semester to determine if each is maintaining satisfactory academic progress. Decisions of this committee govern eligibility for financial aid in accordance with federal regulations and Colby policy.

Committee decisions of dismissal may be appealed. When students have been readmitted after academic dismissal, federal Title IV assistance (to a maximum of 10 semesters) will be awarded on a cumulative basis according to Colby's published funding priorities for financial aid. All standards are in accordance with federal laws with respect to satisfactory progress. In general, a Colby grant is available only for tuition charged for course work required to obtain a Colby degree, up to eight semesters of full-time enrollment. To ensure maximum aid eligibility, a student must maintain a minimum of 12 credit hours each semester, exclusive of credits taken during January.

Students who are admitted to Colby as other-than-first-semester freshmen are eligible for Colby aid for the number of semesters required for graduation as determined by the College at the time of entry. For example, a student who matriculates in the second semester of the freshman year is considered for up to seven semesters of aid.

## General Regulations

All students are responsible for knowledge of the regulations in the *Student Handbook* and in the annual catalogue. The handbook covers academic, administrative, and social regulations.

The College reserves the right to dismiss any student whose presence its officers believe to be detrimental to its general welfare.

Although authority regarding discipline is the ultimate responsibility of the dean of students, most of the serious cases requiring discipline of students are turned over by the dean to a judicial board composed of students and faculty or to a dean's hearing board. The regulations of the board and the rights of students appearing before the board are described in the *Student Handbook*.

**Behavior** The administrative officers of the College have a responsibility for maintaining and encouraging an atmosphere on campus consonant with the College's function as a community of students and teachers.

The trustees have delegated to various sectors of the College, including the Student Government Association extensive autonomy in the conduct of student affairs. Students retain the right to organize their own personal lives and behavior within the standards agreed upon by the College community, so long as they do not interfere with the rights of others or with the educational process.

The right of free speech and the open exchange of ideas and views is essential, especially in a learning environment, and Colby vigorously upholds these freedoms. Similarly, the College is committed to maintaining a community in which persons of all ethnic groups, religious affiliations, and nationalities are welcome. The College will not tolerate racism, harassment, including sexual harassment, or intimidation of any kind; any student found guilty of such actions or of interfering with these goals will be subject to civil prosecution as well as suspension or expulsion from Colby.



The College prohibits social fraternities and sororities. Students who pledge, who invite pledging, who haze, or who perpetuate any fraternity or sorority will be suspended for at least one year and may be subject to additional penalties that could include expulsion.

The Colby community—students, faculty, staff, trustees, overseers, alumni—is committed to maintaining a residential atmosphere that supports personal growth and learning; ensures individual rights and the well-being and the dignity of others; promotes understanding and respect; and fosters the opportunity to make lasting friendships. To this end, where alcohol is used, it must be used responsibly, and abuse will not be tolerated.

Colby's policies governing the possession, sale, and consumption of alcoholic beverages (which are set forth in Appendix VIII of the *Student Handbook*) are consistent with Maine state law. Students are personally responsible for compliance. The legal drinking age in Maine is 21. State of Maine laws forbid possession of alcohol by underaged persons.

Any student found using or supplying illegal drugs, including steroids, or in possession of drug paraphernalia is subject to disciplinary action, including suspension or expulsion. The College wishes to help those who have substance abuse problems, and confidential counseling is available to those who will discuss treatment and participate in a treatment program.

**Access Policy** As a matter of College policy, all campus organizations and College-sponsored events are open to the full participation of all members of the Colby community without regard to race, color, sex, sexual orientation, religion, age, parental or marital status, national or ethnic origin, political beliefs, or disability unrelated to job or course of study requirements. Exceptions to this policy may be granted, for compelling reasons only, by mutual agreement of the dean of faculty and the Academic Affairs Committee, or, in the case of student-sponsored events, by mutual agreement of the dean of faculty, the dean of students, and the College Affairs Committee.

**Health Policy** Health professionals in Colby Health Services treat students on the same basis as community professionals treat the patients under their care.

The College feels that the best interests of students are served by providing full medical and psychological counseling and treatment from professionals thoroughly informed about personal and family history. The College respects the rights of these professionals to use their judgment in meeting the health needs of students.

Upon recommendation of one of Colby's medical practitioners or the director of counseling services, the College reserves the right to require a student to withdraw for medical or psychological reasons. If, in the opinion of either the director of counseling services or one of the medical practitioners, a student becomes unable to carry on normal student functions, or when his/her presence is or may become a hazard to that student or others, withdrawal will be required. Following any medical or psychological withdrawal, a recommendation from the student's physician or psychologist to the appropriate College professional is required before the student is readmitted to the College.

The director of counseling services and one of the medical practitioners may require that a student obtain treatment away from campus before continuing as a student either after time away or after one of the vacation periods during the year or in the summer.

The officers, faculty, and medical and counseling staff of the College reserve the right to refuse to divulge information regarding a student's psychological or psychiatric condition or matters of an intimate nature without the student's written authorization.

**Housing and Student Living** The residential experience at Colby is designed to extend and integrate intellectual inquiry into the dormitories and dining halls. The College works to foster a welcoming campus community and strives to create an atmosphere and a residential experience that are fully inclusive for students from diverse backgrounds. Individual residence hall sizes range from 30 to 166 students per building. Students from all four class years are housed in each building, with the exception of the Harold and Bibby Alford Residence Complex, which houses only seniors.

Students are expected to live in College housing as assigned by the Office of the Dean of Students and are required to subscribe to an on-campus board plan.

Students requesting permission to live off campus must seek approval from the Office of the Dean of Students. A small number of students are permitted to live off campus and are generally assigned by a lottery system with priority given to seniors first. The College has charge of the maintenance and security of its buildings.

**Student Records** Colby complies with the Family Educational Rights and Privacy Act of 1974, which establishes the right of students to inspect and review their education records and provides guidelines for the correction of inaccurate or misleading data. Complete guidelines used by the College for compliance with the act are published in the *Student Handbook* and may be obtained at the Dean of Students Office.

**The Colby Name** The Colby name and various logotypes are federally registered service marks, and with the exception of the several regular student publications approved by the College and the Student Government Association, the College exercises editorial control in the matter of content, taste, and style of its own publications, advertisements, and other products. This protection, including the right to delete or remove, extends to all other materials, commercial goods, posters, and other advertising produced by others that imply College endorsements.



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# Academic Requirements

**Graduation Requirements** To qualify for the degree of bachelor of arts, a candidate must meet specific requirements in *residence, quantity, quality, distribution, major, and January Program*. Only those seniors who have met all graduation requirements are eligible to participate in the commencement exercises. Students who, because of extreme extenuating circumstances, find themselves unable to graduate with their class, may appeal to the Administrative Committee of the College to allow them to march with their class and receive an empty diploma cover.

The following statements define the graduation requirements.

**Residence Requirement** Candidates for the degree must earn in residence at least 64 credit hours. They must be resident students at Colby for at least four semesters, including the senior year. A resident student is defined as a full-time student taking at least 12 credit hours and paying tuition charges at the semester rate.

Unless taken as part of an established institutional exchange program, credits earned at another institution while a student is registered concurrently at Colby may not be applied toward graduation requirements.

**Quantity Requirement (Credits)** A minimum of 128 credit hours earned in at least eight semesters of full-time college-level study. Among the 128 credit hours, up to 15 may be earned in courses taken on a satisfactory/unsatisfactory basis, and up to 15 may be applied from field experience credits.

**Quality Requirement** At least a 2.00 cumulative grade point average. For each credit hour, a mark of:

*A* earns four points.

*B* earns three points.

*C* earns two points.

*D* earns one point.

Each *plus* mark earned is: .3 quality point per credit hour added.

Each *minus* mark is: .3 quality point per credit hour deducted.

**Distribution Requirement** No part of any requirement can be satisfied with the satisfactory/unsatisfactory option or field experience credits.

*English Composition:* English 115 (Composition) is required.

*Foreign Language:* This requirement may be met in one of four ways:

(1) By attaining before entrance a score of 64 or higher on the SAT-II Subject Test in a foreign language or in the Colby language placement test taken during orientation, a score of 4 or 5 in Advanced Placement language or literature, a 6 or 7 in an International Baccalaureate higher-level exam or 7 on a subsidiary exam. Refer to the section on placement in foreign languages in this catalogue for information concerning language placement tests at Colby.

(2) By successfully completing Colby's intensive language program in Salamanca, Spain, or Dijon, France. The Salamanca language program is available either fall or spring semester; the Dijon program is available in the fall semester only. These programs are open to first-year students, sophomores, and juniors.

(3) By successfully completing a sequence of modern or classical language courses terminating with a course numbered above 126 in a modern language or Greek 131 or Latin 131. Students will be placed in the sequence according to ability.

(4) By successfully completing a previously approved intermediate-level language course at an approved college or university (see "Transferred Credits").

Students who have studied a foreign language not taught at Colby may fulfill the requirement by presenting evidence of having successfully completed at an accredited

institution the intermediate level of that language.

For students whose native language is not English, knowledge of that language will be recognized as fulfilling the requirement. For a language taught at Colby, confirmation from the chair of the appropriate department must be filed with the Office of the Registrar. For languages not taught at Colby, confirmation must be attained from International Student Services in the Dean of Students Office. Testing may be required.

*Areas:* Students are required to pass one three- or four-credit-hour course in each of Areas I, II, III, IV, and VI, and *two* courses in Area V. Normally, students will be expected to complete these requirements during their first three years. Course descriptions in the catalogue include a key to the appropriate area(s) met by specific courses.

*Area I ARTS:* Courses in the history, theory, and/or practice of the creative arts.

*Area II HISTORICAL STUDIES:* Courses that investigate human experience by focusing on the development of cultures and societies as they evolve through time.

*Area III LITERATURE:* Courses that focus on literary works of the imagination and/or written texts in which ideas and creative or aesthetic considerations play a crucial role.

*Area IV QUANTITATIVE REASONING:* Courses that focus on quantitative or analytic reasoning about formally defined abstract structures.

*Area V NATURAL SCIENCES:* Courses that focus on the understanding of natural phenomena through observation, systematic study, and/or theoretical analysis. At least *one* course taken to satisfy Area V must contain a substantial laboratory component.

*Area VI SOCIAL SCIENCES:* Courses that focus on theoretically and methodologically directed inquiry into various aspects of human behavior and interaction.

*Diversity:* Students prior to the Class of 2007 are required to pass one course centrally concerned with how diversities among peoples have contributed to the richness of human experience. Courses that may be taken to fulfill the requirement are those that (a) focus on history, perspectives, or culture of non-Western peoples or on a culture whose origins lie outside of the European traditions; (b) focus on issues and/or theories of ethnicity, gender, or class as these may be found anywhere in the world; or (c) examine the nature, history, and workings of prejudice as experienced by any group.

Beginning with the Class of 2007, students are required to pass two courses that are centrally concerned with: (a) the structures, workings, and consequences of; and/or (b) efforts at political and cultural change directed against; and/or (c) progress in overcoming prejudice, privilege, oppression, inequality, and injustice. One of these courses must deal with these issues as they concern the United States, and one must deal with these issues in a context other than the United States.

Courses meeting this requirement are identified in catalogue descriptions.

*First-Year Supper Seminars/ Wellness Program:* Students must attend dinner lectures offered for all first-year students as part of the extended orientation called the First-Year Supper Seminars (FYSS). A variety of topics that the College has identified as fundamental health concerns for the college years will be covered. The purpose of the program is to encourage and assist in the development of responsibility for one's own lifestyle through programs centered on mental, emotional, social, physical, and spiritual fitness. Meeting this requirement, which is certified by the Health Center, does not earn academic credit hours. In order to register for classes in their second year, all students must have attended five of seven dinner/lectures in the first year.

Members of the Class of 2005 who have not already fulfilled their wellness requirement must do so by watching approved wellness videos at the Health Center and by writing a response paper for each video.

**Major Requirement** Each student must satisfy requirements of a major. Near the end of the first year, students are asked to make a declaration of intent regarding a major, either by electing a specific major or by filing an "Undeclared" statement. A major may be chosen in a single subject, in one of a number of designated combinations, or in an individually designed independent major. Students are encouraged to re-examine their choices of major during the sophomore year and are required to declare a major prior to

electing courses for their junior year. The respective academic departments and programs specify the courses constituting a major; requirements are detailed in the section "Courses of Study."

With the consent of the departments or programs concerned, a student may change majors. Forms for officially effecting such change can be obtained from the Registrar's Office. A student may change majors at the end of the junior year if the equivalent of at least 12 credit hours, with a 2.00 average, has been earned in the new major. If, in the senior year, the average in courses completed toward the major falls below 2.00, the major requirement is not fulfilled, and the degree cannot be awarded.

Any student whose major average falls below 2.00 will be placed on probation by the Committee on Academic Standing. A student who fails to regain a 2.00 major average in the subsequent semester has lost the right to continue with that major. Each department or program designates the courses to be calculated toward retaining the major.

**Majors Offered** Students may elect majors in the following disciplines:

African-American/American Studies	Geology
American Studies	Geoscience
Anthropology	German Language and Literature
Art	German Studies
Biology	Government
Chemistry	History
Chemistry-A.C.S.	International Studies
Chemistry-Biochemistry	Latin American Studies
Classical Civilization	Mathematics
Classical Civilization-Anthropology	Mathematical Sciences
Classical Civilization-English	Music
Classics	Philosophy
Classics-English	Physics
Computer Science	Psychology
East Asian Studies	Religious Studies
Economics	Russian Language and Culture
Economics-Mathematics	Science, Technology, and Society
English	Sociology
Environmental Studies: Policy	Spanish
Environmental Studies: Science	Theater and Dance
French Studies	Women's, Gender, and Sexuality Studies

**Options** Specific options are available within above majors as follows:

Art: Art History  
 Art: Studio Art  
 Biology: Cell and Molecular Biology/Biochemistry  
 Biology: Environmental Science  
 Biology: Neuroscience  
 Chemistry: Cell and Molecular Biology/Biochemistry  
 Chemistry: Environmental Science  
 Economics: Financial Markets  
 Economics: International Economics  
 Economics: Public Policy  
 Psychology: Neuroscience

**Minors** In addition to a major, students may also elect a minor. A minor normally consists of five to seven courses and involves a coherent progression of courses including both introductory exposure to a field of knowledge and advanced work. A minor must include at least four courses taken in addition to courses taken to satisfy requirements for any major or other minor. Students must maintain a 2.00 average in the minor. Current minors are as follows:



Administrative Science	Geology
African Studies	Human Development
African-American Studies	Indigenous Peoples of the Americas
Anthropology	Italian Studies
Art	Japanese
Chemistry	Jewish Studies
Chinese	Mathematics
Classical Civilization	Music
Classics	Philosophy
Computer Science	Physics
Creative Writing	Psychology
East Asian Studies	Religious Studies
Economics	Russian Language and Literature
Education	Science, Technology, and Society
Education: Professional Certification	Theater and Dance
Environmental Education	Women's, Gender, and Sexuality Studies
Environmental Studies	

**Major/Minor Limits** A student may declare up to two majors and one minor or one major and two minors. All declarations must be properly approved and filed with the Registrar's Office. Requirements for majors, minors, and options are outlined in the section "Courses of Study."

**Independent Majors** The option of an independent major is available to students whose academic interests do not match existing majors. A student may design an independent major and submit a detailed written proposal, prepared with the aid of one or two advisors who accept responsibility for the program throughout its course. Many such majors are interdisciplinary; in these cases, two advisors, from different departments, are required. The program must include a balance of lower- and upper-level courses normally totaling one third or more of the total credit hours required for graduation. Implementation requires the written approval of the Independent Study Committee; this approval must be obtained before the end of a student's sixth semester at Colby. Students pursuing independent majors must keep in touch with the committee, which must be notified about any changes in their program; substantial changes must be approved by the committee. The target date for independent major proposals is the 30th day of each semester. Inquiries about independent majors should be directed to the chair of the Independent Studies Committee.

**January Program Requirement** The January Program, introduced in 1961-62, grew from a desire to extend to students a greater measure of academic responsibility. January is a period during which topics may be pursued single-mindedly, free from the competing demands of an orthodox curriculum. Selected courses, designated in the catalogue with "j," are offered during January. January courses are offered for two or three credit hours. No more than three credit hours may be earned in any January.

To be eligible for graduation, each student must complete three January Programs if in residence for seven or more semesters, or two if in residence for six or fewer semesters. Students enrolled in CBB programs in session during January and in any other program whose length is at least 18 weeks and which takes place during any part of January must complete one January Program in addition to the program completed in their first year. First-year students are required to take January courses offered by the College and are given preference in 100-level programs. Upperclass students have the option of courses, independent study, or field experience.

Because the January Program assures most students considerable flexibility in the use of their time, it permits them to participate more fully in extracurricular activities in athletics, drama, music, and other fields. While students are encouraged to attend the lectures, seminars, concerts, and art exhibitions scheduled by the College, they are expected to spend 30 to 40 hours a week on their January Program topics.

January Program options are:

(1) *Courses Offered for Credit*. Some are created specifically for January; others, originally designed to be offered during semesters, may be modified for January. Such courses are graded in the same manner as semester courses, except that nongraded January courses will be marked *credit* or *fail*.

(2) *Independent Study*. This involves an academic project under the direct supervision of a Colby faculty member. Projects ordinarily involve the preparation of an extensive paper or other suitable indication of the student's independent research or artistic efforts. Two options exist for electing January independent study: (a) for course credit that can be applied toward graduation requirements, to be graded as in (1) above; and (b) for January Program credit only, to be graded *honors*, *pass*, or *fail*.

(3) *Field Experience and/or Internships*. These projects, open to upperclass students, are usually carried out away from the campus. Though students doing such projects do not work under the direct supervision of a faculty member, their programs require a faculty sponsor. Credits earned through field experience or internship are nongraded and may be applied toward the graduation requirements. Field experience and internships may be elected for January Program credit only, to be graded *honors*, *pass*, or *fail*.

(4) *Noncredit Courses*. These courses fulfill the January Program requirement, but students do not earn course credit that can be applied toward the credit hours required for graduation. These courses may be offered by experts in fields not included in the regular curriculum and will be graded *honors*, *pass*, or *fail*.

Other than the grades indicated above, marks of *Abs* (absent from final examination) or *Inc* (work otherwise incomplete) may be given only in cases in which the student has made an acceptable arrangement with the instructor. Grades of *Abs* and *Inc* must be made up within limits set by the instructor and not later than the second day following spring recess.

A full description of January courses is available on the Web in October, and students elect for January at that time. Changes in preregistration may be filed subsequently; however, students failing to register by the third day of the January Program will be considered to have failed the program for that year, with the failure to be noted on official transcripts. A student choosing not to do a January Program in any year must signify this decision during Web registration. Except under unusual circumstances, no more than one January Program may be taken each year. January Program options in field experience and internships must also be approved in advance by the field experience coordinator in the Career Services Office. Appropriate deadlines for the satisfactory/unsatisfactory option in January and for requesting approval for field experience or internship credit are established each year.

**Requirement for Returning Students** A student returning to college after an absence must meet any new requirements for graduation if fewer than 65 Colby credit hours had been earned prior to the absence. If more than 64 credits had been earned, the student may elect to meet either the new requirements or those in effect at the time of initial enrollment.

# Academic Honors

**Phi Beta Kappa** In American colleges, it is generally considered that the highest honor an undergraduate can receive is election to Phi Beta Kappa. This society, founded in 1776, restricts its chapters to leading colleges and universities and maintains high scholastic standards. The Beta Chapter of Maine was organized at Colby in 1895. Phi Beta Kappa certificates may be awarded to members of the three lower classes for distinction in scholarship.

**Latin Honors** The degree of bachelor of arts with honors is awarded in three grades: *summa cum laude* to those who attain a 3.75 grade point average; *magna cum laude* to those with a 3.50 grade point average; *cum laude* to those with a 3.25 grade point average.

**Honors in [Major]** Honors programs are offered in American studies, anthropology, biology, chemistry, computer science, East Asian studies, English, environmental studies, French, geology, government, history, international studies, Latin American studies, mathematics, music, philosophy, physics, psychology, religious studies, sociology, Spanish, and women's studies. Successful completion of an honors program, as determined by the department or program, will enable a student to graduate "With Honors in [major]." Independent majors may apply for honors to the chair of the Independent Study Committee.

**Distinction in the Major** This category of honors may be awarded to a student on the specific recommendation of the department. To be considered for the award, the student must have at least an average of 3.25 in the major; some departments stipulate a higher average in the major.

**Senior Scholars** This honors program permits a limited number of seniors to devote six credit hours per semester to a project approved by the Independent Studies Committee and pursued under the guidance of a faculty member. Students applying to the Senior Scholars Program will normally be expected to have a grade point average of at least 3.3 in their major. Students submit a midyear report on the project; their final report is judged by three faculty readers. Upon successful completion of the program with a minimum grade of B+, the senior scholar's report is deposited in the College library. Application must be made during the student's junior year. Inquiries should be directed to the committee chair.

**Named Scholarships** Academic excellence is recognized at a convocation each fall for the Julius Seelye Bixler, Charles A. Dana, and Strider scholars. Bixler Scholars are the top-ranking students as determined by the cumulative academic record at the end of the preceding year. Dana Scholars are selected on the basis of a strong academic performance and potential leadership. The first-year student with the best academic record at the end of the first year is named a Strider Scholar for his or her sophomore year.

**The Dean's List** Recognition by the Dean's List requires an average of all marks in the previous semester of at least 3.20 for upperclassmen (3.00 for first-year students) in a minimum of 12 credits, exclusive of satisfactory/unsatisfactory credits. A student with any mark of incomplete (unless as a result of illness or critical emergency), U, or WF is not eligible for Dean's List.

**Other Honors** Academic departments may recognize students' achievements, according to departmental guidelines, with certificates or other awards.

The names of students who graduate with Latin honors, honors or distinction in major, Senior Scholars status, election to Phi Beta Kappa, or status as Bixler, Dana, or Strider scholars are printed in the annual commencement program.

# Academic Procedures

**Student's Responsibility** Each student must be aware constantly of progress in meeting requirements for graduation. If there is any question about an individual record, the Registrar's Office should be consulted. Each student must also be aware of deadlines set within each academic year that pertain to academic actions; these are available from the Registrar's Office as "Critical Dates and Deadlines."

The College's official means of communication is electronic. Students are expected to activate their Colby e-mail accounts and to check them regularly, as many official notices from the administration and the faculty are sent only as electronic mail. Academic records, including courses a student has taken and the student's status with respect to fulfillment of academic requirements, are available in a password-protected environment through the registrar's Web site.

**Student's Program** The student at Colby normally takes from 12 to 18 credit hours in each semester and one offering during the January term. Full-time standing during a semester requires a minimum of 12 credit hours. A student may carry fewer than 12 credit hours only with the explicit approval of the dean of students. In so doing, a student will be subject to review by the Committee on Academic Standing. Varsity athletes must consult with the director of athletics, the associate dean of students for academic affairs, and their academic advisor regarding how the reduced course load may affect athletic eligibility.

Each first-year student has a faculty advisor to assist in planning the academic program. A new faculty advisor is assigned when the student has selected a major. Approval of the faculty advisor(s) is required for all procedures affecting a student's academic program.

Prospective students frequently ask what subjects they will study—especially in the first year. It would be misleading to present any specific pattern of courses for either of the first two years. The programs of individual students may vary widely because there is considerable latitude within the requirements. To prepare for their lives in an increasingly complex society, students are encouraged to learn quantitative skills, to learn to write well, and to take courses that expose them to cultures other than their own.

To ensure distribution among the divisions, first-year students must include English composition, a foreign language (unless exempted by examination), and courses to meet area requirements. Students are urged to complete all distribution requirements by the end of their sophomore year. Students are encouraged to elect subject areas that are new to them and are advised to avoid overconcentration in any department or division.

Students considering a scientific career or the study of medicine should begin electing scientific subjects at once. Many major departments in both the natural and social sciences recommend mathematics in the first year. The student and assigned advisor should discuss a prospective program, noting carefully the recommendations and requirements in areas of major study. The initial selection of a major is by no means final; students are encouraged to explore alternative options throughout their sophomore year.

**Selection of Courses** Each semester students select programs of study for the following semester. Students select courses via the Web after consultation with academic advisors. Selections are confirmed or denied following review of courses against academic departments' criteria for course limits and priorities, after which students may add or drop courses via the Web, subject to rules stated for each course.

Deadlines for voluntary changes—adding, dropping, or withdrawing from a course, changing sections within a course, declaring or revoking the satisfactory/unsatisfactory option, augmenting or decreasing credit in courses offered for variable credit—appear in "Critical Dates and Deadlines," published annually by the registrar and available on the Web.



No student may register for more than 18 credit hours in any semester unless one of the following stipulations is satisfied: (1) at least a 3.00 overall grade point average in two or more Colby semesters, (2) at least a 3.25 grade point average during the previous two semesters (cumulative), or (3) special permission from the faculty advisor(s) and the dean of students.

Ordinarily, a student can neither repeat a course for additional credit nor register for two courses scheduled to meet concurrently.

**Registration** Other than in exceptional circumstances specified in advance in writing by the dean of students, a student will not be permitted to register later than the seventh class day of a semester.

It is important that students understand the distinction between payment of fees and registration. Prior to registration, each student must complete payment of fees as specified by the treasurer, who is not authorized to defer such payment.

New students must also provide the required health certificate prior to registration day (see "Health Records" in the section titled "Admission" in this catalogue).

**Adding Courses** Students in any class year are permitted to add courses to their schedules, with the permission of the instructor, during the first eight class days (hereafter referred to as the "add period") in either semester.

**Dropping Courses** All students enrolled full time at Colby—senior, junior, sophomore, and first-year—may drop courses via the Web through the mid-semester drop date. The specific drop dates for each year are published in "Critical Dates and Deadlines," available on the Web or from the Registrar's Office.

Students' schedules are available on the Web. It is each student's responsibility to ensure that his or her registrations are accurate and total at least 12 credits, the minimum for full-time status (see "Student's Program" above). "Dropped" courses will not appear on the student's permanent record or transcript. Students may not drop a course simply by absenting themselves from its meetings. Absence without formally dropping a course subjects the student to a mark of *F* in the course.

**Withdrawal from Courses** Only first-year students may withdraw from courses until the last day of classes and receive the mark of *W*. Appropriate forms, approved by advisor and instructors, must be filed with the Registrar's Office. If, at the time of withdrawal, the instructor considers the student to be failing, the mark shall be *WF*. Neither *W* nor *WF* is used in calculating the student's grade point average but will appear on the transcript.

**Satisfactory/Unsatisfactory** Students may elect a limited number of courses on a satisfactory/unsatisfactory basis; these cannot include distribution requirements. Most departments specify that major courses must be taken on a conventionally graded basis.

Forms for declaring satisfactory/unsatisfactory options can be obtained at the Registrar's Office. The form must be completed and returned by the end of the add period in the term in which the course is taken. A satisfactory/unsatisfactory election may be voluntarily revoked by a deadline established for each term. Letter grades submitted by instructors will be converted to *S* (for grades *A* through *C*-) or *U* before being posted on permanent records; any grade below *C*- is unsatisfactory and will be recorded as a *U* on the grade record. The Registrar's Office cannot release more specific information on the quality of the *S*, even upon request of the student who earned it.

**Attendance** Students are expected to attend all of their classes and scheduled course events in any semester or January and are responsible for any work missed. Failure to attend can lead to a warning, grading penalties, and/or dismissal from the course with a failing grade.

**Religious Holidays** In order that no students at Colby suffer academic penalty because of the conscientious observance of a *major* religious holiday, it is important that faculty members follow a uniform policy regarding such observance.

It is reasonable to consider major religious holidays for the Colby student body as a whole to be the following: Rosh Hashanah, Yom Kippur, the first day of Passover, Good Friday, and Easter. Quizzes or exams will not be scheduled and assigned papers will not be due on any of these holidays. In addition, no student will be required to participate in major College events such as athletic contests, major lectures, or concerts on these holidays.

Students whose conscientious religious observance requires their absence on days other than or in addition to those named above can make use of the following procedure prior to the holiday. If written notification is delivered to the course instructor at least one week before the holiday, the student's absence on the holiday will be regarded as an authorized one, and the student will be excused from quizzes and exams for that day. Under these circumstances the student will be permitted to take the exam or a make-up exam without penalty. A similar option exists with respect to papers: if proper notification is delivered to the course instructor before the holiday, the student will be excused from submitting a paper due on that holiday.

**Academic Honesty** Plagiarism, cheating, and other forms of academic dishonesty are serious offenses. For the first offense, the instructor may dismiss the offender from the course with a mark of *F* (which is a permanent entry on the student's academic record) and will report the case to the department chair and the dean of students, who may impose other or additional penalties including suspension or expulsion. This report becomes part of the student's confidential file and is destroyed upon graduation. A second offense automatically leads to suspension or expulsion. Students may not withdraw passing from a course in which they have been found guilty of academic dishonesty. A student is entitled to appeal charges of academic dishonesty to the Appeals Board. The decision of the board shall be final and binding unless overruled by the president of the College, who has final authority and responsibility.

The College also views misrepresentations to faculty within the context of a course as a form of academic dishonesty. Students lying to or otherwise deceiving faculty are subject to dismissal from the course with a mark of *F* and possible additional disciplinary action.

Student accountability for academic dishonesty extends beyond the end of a semester and even after graduation. If Colby determines following the completion of a course or after the awarding of a Colby degree that academic dishonesty has occurred, the College may change the student's grade in the course, issue a failing grade, and rescind credit for the course and/or revoke the Colby degree.

Without the explicit, written approval of the instructors involved, registration for two or more courses scheduled to meet concurrently is a form of academic dishonesty.

**Hour Exams and Quizzes** Hour exams will be scheduled with at least one week's notice. Short quizzes may be given without notice.

**Warnings** Throughout the semester, at the discretion of the professor, warnings are issued to students. A *major* warning signifies that a student's average is below passing; a *minor* warning means that a student's average is barely passing. Warnings may also be issued for excessive absence or late or incomplete assignments. Attention is called to the statement on attendance in this section of this catalogue.

**Semester Exams** Six days are set aside at the close of each semester for two-hour final exams. The Registrar's Office schedules the time and place of semester exams in all courses except those that are specifically exempted by the appropriate department chair.

An excused absence for a semester exam is granted if:

- (1) The instructor gives permission because of illness or grave emergency.
- (2) The registrar has been notified (on the appropriate form) of a valid conflict involving three exams on one day, four in consecutive order, or two courses with the same exam number (the last must be resolved at the time of registration).

A student with three exams scheduled in one day or four exams in sequence may choose the exam to be postponed.

A postponed exam may be taken on the designated make-up day or at another time *subsequent to the scheduled exam* agreeable to both the student and the instructor. There is no make-up for failed exams.

The mark for the exam may constitute up to half of the total course mark.

**Marks** A student may obtain marks from instructors, but the only official College record is that maintained in the Registrar's Office. Grades can be viewed on the Web the day following the faculty's grade reporting deadline; semester reports are sent to parents upon explicit request of the student. Grade reports may be withheld at the direction of the Business Office for students whose financial obligations to the College have not been met.

In *graded courses*: Marks are ordinarily posted as *A, B, C, D*, and *F*, with + or - appended to grades *A* through *D*. A mark below *D-* means failure.

In *nongraded courses*: For semester courses, *Cr* indicates credit is earned; *NC* is recorded if credit is not earned. For January courses, *Cr* indicates credit for program; *F* is recorded if no credit is earned.

Courses offered for *January Program credit* only (i.e., which fulfill the January Program requirement but carry no credit hours toward graduation) are graded *honors, pass*, or *fail*.

**Absent and Incomplete Grades:** A mark of *Abs* indicates that a student was absent from the final examination. A mark of *Inc* indicates a course not finished for some reason other than failure to take the final examination. *Inc* is not appropriate unless the student has made prior arrangements with the instructor. Work to make up grades of *Abs* or *Inc* must be submitted within limits set by the instructor, but not later than January 15 for first semester, the Tuesday following spring break for January credit courses, or July 1 for the second semester. After these dates any remaining marks of *Abs* or *Inc* will be changed to *F*. The dean of students may give limited extensions for the completion of work without penalty but only for excuses similar to those acceptable for missing a final examination. A student with any mark of *Inc* (except in the case of illness or critical emergency) is not eligible for Dean's List.

**Changes in Grades:** An instructor who wishes to change a semester grade (except *Abs* and/or *Inc*) after reporting it to the registrar must secure approval of such change from the dean of faculty. Any change must be demonstrated to be necessitated by discovery of an error in recording or reporting, or must result from a *bona fide* medical problem as verified by the dean of students.

Marks of *W* and *WF* indicate withdrawal from a course and represent the student's standing at the time of withdrawal. *W* indicates either passing or no basis for judgment. *WF* indicates failing. These marks are excluded from computation of all averages.

*F* indicates failure or abandonment of a course without formal withdrawal.

**Academic Review** The Committee on Academic Standing reviews all current student records at the end of each semester to determine that all enrolled students are making satisfactory progress toward the degree. Students who earn fewer than 12 credits or less than a 2.00 grade point average in any semester, exclusive of the January Program, are subject to probation or dismissal from the College. Only when there are compelling extenuating circumstances (e.g., illness, unusual personal problems) is it advisable for a student to carry fewer than 12 credits; such a reduced program must be approved by the dean of students.



A student who is on probation must earn 12 credits and a C (2.00) average in the subsequent semester. The January term will be considered as part of the full year's performance in evaluations made by the committee at the end of the second semester. A student placed on probation in the major must regain or change that major in the subsequent semester (refer to the section "Major Requirement" in this catalogue).

Students who have been dismissed may, after one year, apply to the committee for reinstatement; during the required interview the student must be prepared to demonstrate an improved commitment to scholarship. A second dismissal is final.

Any student on academic probation is required to consult with his/her advisor and with any extracurricular advisor, such as a coach, to discuss whether the student should continue participation in extracurricular activities. A student on academic probation for a second or subsequent semester will be declared ineligible to participate in any College-sponsored extracurricular activities unless, in consultation with the academic and extracurricular advisors and with the approval of the associate dean of students, the student develops a plan for allocating time to course work and extracurricular activities.

Upon a student's return to the College, his or her records on study programs elsewhere are subject to review and action by the Committee on Academic Standing.

**Academic Standing** A student's class standing is determined by the number of credit hours earned and full-time semesters completed.

*First-year standing:* fewer than 26 credit hours or fewer than two semesters.

*Sophomore standing:* 26 to 57 credit hours and two or three semesters.

*Junior standing:* 58 to 89 credit hours and four or five semesters.

*Senior standing:* 90 or more credit hours and six or more semesters.

Class standing is not automatically changed to a higher level upon the posting of additional credits; students who believe themselves eligible for a change of class year should consult the registrar.

**Exemption by Examination** When appropriate, distribution requirements, as well as certain requirements for the major, may be absolved by examination without course enrollment at the discretion of the department concerned. Matriculated students may earn credit by examination in 100- or 200-level courses to a maximum of 12 hours. Departmental examinations or external examinations approved by the department may be used, with credit given for the equivalent of at least C-level work. The cost of each examination is borne by the student. The College will exempt students from the language requirement for attaining before entrance a score of 64 in an SAT-II Subject Test in a foreign language or for attaining a score of 64 in Colby's placement test during first-year orientation; in either case, no academic credit will be granted.

**Transferred Credits for Newly Admitted Students** Courses taken at other accredited institutions, in which grades of C or higher have been earned, may be credited toward the Colby degree under the conditions and circumstances listed below and those specified in the sections on "Residence Requirement" and "Quantity Requirement" in this catalogue. All credits presented for transfer toward a Colby degree must be supported by official transcripts issued by the college or university where the credits were earned.

- (1) When students are admitted by transfer, their records are tentatively evaluated by the registrar to determine the transferable equivalent in Colby courses. These courses are credited subject to confirmation through satisfactory progress at Colby.
- (2) College-level courses taken on college campuses by students prior to matriculation as first-year students are evaluated on the same basis as courses presented by new transfer students.
- (3) Refer to "Advanced Standing" in the section titled "Admission" in this catalogue for additional programs in which credit may be earned.



**Transferred Credits for Currently Enrolled (Matriculated) Students** Courses taken at other accredited institutions, in which grades of C or higher have been earned, may be credited toward the Colby degree under the conditions and circumstances listed below and those specified in the sections on "Residence Requirement" and "Quantity Requirement" in this catalogue. All credits presented for transfer toward a Colby degree must be supported by official transcripts issued by the college or university where the credits were earned.

(1) Students seeking to transfer credits for full-time study away from Colby must file application forms by the established deadlines with the Office of Off-Campus Study. Approval must be obtained prior to beginning such study. Deadlines are listed under "Academic Programs" in this catalogue. The Office of Off-Campus Study must be notified immediately of any subsequent change in the approved program.

(2) Graded credits earned at an accredited degree-granting institution may be transferred toward a Colby degree by matriculated students, including students dismissed for academic reasons by the Committee on Standing, if approved in writing, prior to enrollment in specific courses at the other institution, by the appropriate College authorities. Forms on which to seek approval can be obtained from the Office of the Registrar. The Registrar's Office must be notified immediately of any subsequent change in the approved program.

(3) No student may receive transfer credit for more than 14 credit hours taken for the purpose of making up deficiencies incurred at Colby. Credits earned at summer school will not constitute a semester to apply to the eight semesters required for the Colby degree.

**Repeated Courses** Students with a need to earn a higher grade may repeat a course previously passed; both the first and subsequent enrollments and grades will be permanent entries on the academic record and transcript, and both grades will be used in computing the grade point average. No additional credit will be granted for the repeated course. *Exceptions:* Some courses build skills or change content in ways that make them repeatable regardless of grades given. Catalogue descriptions for such courses include the statement "May be repeated for additional credit." More specific information about repeatable courses may be obtained from the chair of the department concerned.

**Auditing Courses** A matriculated Colby student may arrange to audit courses with the consent of the instructor. No credit is earned, and the audit is not recorded on the student's permanent record.

An auditor is not permitted to submit papers or perform any other function for which course credit is usually given. For this reason, auditing is seldom permitted in courses where the method of instruction involves significant individual attention and criticism. Under no circumstances can academic credit be given an auditor, nor can an audited course later be converted into an accredited course. The decision whether the course is to be audited or taken for credit must be made at entry.

Individuals who are not matriculated Colby students may register to audit courses at the College. Application to audit must be made with the dean of admissions; if approval is granted, forms for registering to audit specific courses must be filed with the Registrar's Office. Permission to audit will be withheld if the class is already too large and if auditing applications for it are numerous.

**Withdrawal from College, Leave of Absence** Students who leave Colby while a semester is in progress are required to withdraw formally, as are students who leave at the end of a semester with no definite plans for return. Students who withdraw are not permitted to return without approval of the dean of students. Students who withdraw for medical reasons must have the permission of the College physician in order to apply for readmission. Eligibility for initial or continued financial assistance from the College will be subject to review and action by the College's Student Financial Services.

Students taking a leave of absence must notify the College by the date when course preregistrations are due for the following term.

Students who leave to participate in College-approved student programs elsewhere, or who leave at the end of a semester for a specified period, may take a leave of absence and are not required to obtain special permission in order to return.

All withdrawals and leaves of absence must be effected officially by filing a form obtained from and signed by the dean of students. The proper exit procedure, which includes the surrendering of residence hall and post office keys, must be followed to be eligible for any refunds that may be due (see “Refunds” in the section titled “Student Fees”). A student who leaves without official notification is not eligible for refunds, which are calculated from the date the withdrawal is approved by the dean of students.

**Transcripts** Transcripts are available from the Registrar’s Office upon receipt of a signed request (mailed or faxed) of the student or former student. There is no charge for the transcript itself; fees will be assessed for special requests such as immediate delivery or transmission by overnight courier or fax. (Note that a transcript sent via fax is not official.) Transcripts will not be issued for anyone whose financial obligations to the College have not been met.

# Academic Programs

**Divisions, Departments, and Programs** Colby College academic departments and programs are classified in the following divisions:

*Division of Humanities*, Professor Cedric Gael Bryant, chair, includes the departments of Art, Classics, East Asian Studies, English, French and Italian, German and Russian, Music, Philosophy, Spanish, and Theater and Dance.

*Division of Social Sciences*, Professor Randy A. Nelson, chair, includes the departments of Administrative Science, Anthropology, Economics, Government, History, Psychology, Religious Studies, and Sociology.

*Division of Natural Sciences*, Professor F. Russell Cole, chair, includes the departments of Biology, Chemistry, Computer Science, Geology, Mathematics, and Physics and Astronomy.

*Division of Interdisciplinary Studies*, Professor Cheryl Townsend Gilkes, chair, includes the department of Physical Education and the programs of African Studies; African-American Studies; American Studies; Creative Writing; Education; Environmental Studies; International Studies; Jewish Studies; Latin American Studies; Science, Technology; and Society; and Women's, Gender, and Sexuality Studies.

**Integrated Studies** Integrated Studies, first offered in the spring of 1997, is a pioneering program in liberal arts education, designed to explore an era or aspect of world civilization from the perspective of several disciplines. The Integrated Studies semester provides an opportunity for students to learn about a subject in depth and to make broad connections between disciplines that will help reveal the essential unity of human knowledge and experience. Structured around clusters of courses, the program is open to all classes. The program and the individual courses are described under "Integrated Studies" in the "Courses of Study" section of this catalogue.

**Opportunities to Study Abroad** Colby maintains an Office of Off-Campus Study to help students make plans to study abroad or at a few domestic off-campus programs that are integrated into each major and academic program. Applications are processed through this office in advance of the student's enrollment in a program of study away from Colby. Students who transfer credits for full-time study in a non-Colby program are subject to a fee of \$1,000 per semester. Financial aid may be applied, for qualified students only, to Colby programs and approved non-Colby programs. Students are required to consult their major advisor and the off-campus faculty liaison in their major department before making plans for study abroad. Sophomores will receive a handbook detailing procedures and listing approved Colby and non-Colby programs early in the fall semester. Applications for off-campus study during the year 2005-2006 are due by March 15, 2005, regardless of the semester for which the student is applying. Colby students normally study abroad for one semester. See the Office of Off-Campus Study for details. A 2.7 G. P. A. is required to study abroad, and students on probation of any kind may not study abroad.

**Colby-Sponsored Foreign-Language Semesters** Colby offers an opportunity for students to satisfy the College's language requirement (and earn a semester's credit) by living abroad and studying the language intensively. These programs are available to sophomores and juniors.

*Colby in Salamanca:* This program provides the opportunity for students to learn Spanish at the University of Salamanca, one of the oldest universities in Europe. Students reside with families, attend intensive language courses, and have a full schedule of excursions to enrich their knowledge of Spanish life and culture. The program is under the supervision

of a resident Colby director and is offered in the fall and spring semesters. Students must have completed Spanish 125 or at least two years of high school Spanish.

*Colby in Dijon:* This program offers students the opportunity to study French language, history, and art in Dijon, France, at the University of Burgundy. Cultural activities and excursions are included. Students live with French families. To qualify, students normally should have completed French 125 at Colby or have taken two years of high school French. The program is offered in the fall semester.

**Colby-Sponsored First-Year Programs** The College offers the following programs abroad designed specifically for entering first-year students:

*Colby in Salamanca:* Refer to description above.

*Colby in Dijon:* Refer to description above.

**Colby-Sponsored Programs Abroad for Juniors** While courses needed for most liberal arts majors are offered at the College, many students are attracted by the opportunity to study abroad for a comparative examination of their major field or a different perspective on their studies. Such programs are generally undertaken during the junior year. Colby offers study programs in Ireland, France, Spain, and Russia.

*Colby in Cork:* This is a program for students with any major in the natural sciences, social sciences, or humanities. Students live in flats and take regular university courses at University College Cork, where a Colby professor, the resident director of the program, teaches in his or her discipline. There are frequent group activities and excursions. Students may apply for the fall or spring semester.

*Colby in Salamanca:* This program offers complete integration into the Universidad de Salamanca, where students can take courses in any division alongside Spanish students. Students with any major may be accepted, but they must have taken at least Spanish 231 and one reading course. Participants choose to live with Spanish families or in apartments with Spanish students and agree to speak only Spanish for the duration of the program. The program is offered for the academic year or the fall or spring semester.

*Colby in Dijon:* For students who have satisfied the language requirement, Colby in Dijon offers advanced French language courses as well as courses in literature and history. Students live with French families and participate in a rich program of cultural excursions. This program is offered during the fall semester only.

*Colby in St. Petersburg (Russia):* This program, offered either semester, is available to students who have had at least two years of college Russian. It is small (maximum five students) and includes a set program of instruction in Russian language (grammar, phonetics, conversation, and composition), literature, and history (readings in Russian and English). Teaching is done by qualified instructors and takes place at the St. Petersburg Classical Gymnasium, where United States students teach two classes in English to Russian high school students. Students live with Russian families, and a full cultural program is offered, including excursions.

**Colby-Bates-Bowdoin (CBB) Study Abroad Programs** A major grant by the Andrew W. Mellon Foundation enabled Colby, Bates, and Bowdoin colleges to establish a study abroad consortium. The 2004-2005 academic year will be the final year of the program, which will offer courses at two centers abroad, each center providing a variety of study programs under the supervision and direction of faculty members from all three colleges. CBB centers are as follows:

*CBB London Center:* Administered by Colby College, the CBB London Center is located on Bloomsbury Square, near the British Museum. In 2004-2005 it will offer programs in biomedical science, English, government, history, performing arts, and psychology. Elective courses and internships are offered each semester.

*CBB Cape Town Center:* Administered by Bowdoin College, the CBB Cape Town Center is located in a secure residential neighborhood. Students take two courses at the center and two with South African faculty at the University of Cape Town. In 2004-2005 programs in English and geology will be offered.



For a list of courses taught at the CBB centers in 2004-2005, interested students should visit the Office of Off-Campus Study Web site ([www.colby.edu/off-campus/](http://www.colby.edu/off-campus/)).

**Other Study Programs Abroad** For programs not sponsored by Colby, the College requires that students obtain approval for their course of study before the stated deadline; without such prior approval, credit will not be transferred to Colby. Approval forms and a handbook of approved programs are available from the Office of Off-Campus Study. For study abroad during the academic year 2005-2006, a preliminary application must be filed with the Off-Campus Study Office by November 15, 2004, and a final application submitted by March 15, 2005. Students receiving financial aid continue to receive that aid if they attend a Colby-approved program.

In addition to its own programs, the College approves study at a number of institutions and programs throughout the world that meet Colby's standards for academic rigor. With the exception of Colby's language acquisition programs in Salamanca and Dijon, students who wish to study in a country whose language is taught at Colby must have taken the equivalent of at least four semesters of the language before departure (some programs require more advanced preparation). In other countries, students are required to take courses in the host-country language for the duration of their program.

Students should be aware that due to enrollment constraints, they may not be able to study abroad in the semester of their choice (spring or fall) and that opportunities to study abroad for the full year are restricted. Colby students cannot get credit for study abroad undertaken in any country for which a U.S. State Department Travel Warning was issued prior to program departure.

**Foreign Exchange** Colby has an exchange program with the École Normale Supérieure in Lyon, France. Each year, a student of this school comes to Colby as the French assistant, and Colby sends a student (normally a recently graduated French major) to France, where he or she may take courses or serve as an English-language assistant in a French high school.

Agreements with the Universidad de Salamanca and University College Cork, in conjunction with Colby's junior-year abroad programs at these universities, allow Spanish and Irish students to spend a year at Colby.

**Approved Domestic Programs** Students wishing to participate in approved domestic programs must meet the same deadlines for preliminary and final applications as students who wish to study abroad. These programs are listed in the "Off-Campus Study Handbook" available each fall and on the Off-Campus Studies Web site. Opportunities include:

*Exchange programs:* Colby participates in student exchange programs with Howard University in Washington, D.C., and Clark Atlanta University in Atlanta, Georgia. Ordinarily, exchanges are arranged for a single semester of the junior year. Each student pays tuition, board, and room charges at the home institution; travel is at the student's expense.

A course exchange program is in effect with Bates, Bowdoin, and Thomas colleges. Students may obtain information from the registrar.

*Colby in Washington:* This semester program is designed to provide an academically rigorous and pedagogically diversified intellectual and cultural experience for Colby students. It is administered in cooperation with The Washington Center, with direct oversight by a Colby faculty member. Students with a variety of majors take advantage of the program, which is open to a maximum of 15 students from the junior and sophomore classes. Information is available from the Government Department.

*Engineering Programs:* Colby has a coordinated dual degree engineering program with Dartmouth College, in which both a bachelor of arts and a bachelor of engineering can be earned. Students spend their first two years and their senior year at Colby and their junior year and a fifth year at Dartmouth. The usual Colby graduation requirements must be

met in addition to engineering prerequisites, so careful course planning is important. For more information, contact the engineering advisor in the Department of Physics and Astronomy.

*Field Experience/Internships:* Qualified students may earn academic credit by undertaking off-campus field experiences or internships as participants in approved programs or by obtaining faculty sponsorship of an individual project or course of study. Refer to the section “Field Experience” under “Courses of Study” in this catalogue. Information on a wide variety of field experience opportunities as well as application forms for obtaining credit for field experience and internships are available in the Office of Career Services. Students planning to participate in field experience must be aware of deadlines for filing applications.

*ROTC:* Colby students may participate in Reserve Officer Training programs offered at other Maine sites. Information about these programs is available in the Dean of Students Office.

**Professional Preparation** Many Colby graduates go on to study for advanced degrees in specialized areas of concentration. Specific committees of the College are available for professional preparation advice in the following areas:

*Business:* The pre-business advisor, with the assistance of the Department of Economics, counsels students preparing for careers in business. Pre-business students may major in any field, but they will benefit from early consultation with the pre-business counselor regarding appropriate course selection, internships, and post-graduate work experience required by most business schools.

*Law and Government Service:* The prelaw advisor counsels students preparing for careers in these areas. Prelaw students may major in any field, but they will profit from early consultation with the prelaw advisor on courses that provide the strongest possible liberal arts background for the study of law.

*Medicine and Dentistry:* Medical schools do not require a particular major but do require high academic standing and the inclusion of biology, chemistry, physics, mathematics, and English in the student’s college program. The Health Professions Preparation Committee provides formal advising and other support to assist students throughout their years at Colby.

*Theology:* Members of the Department of Religious Studies, in cooperation with the College chaplains, serve as advisors to students who plan to enter seminaries.

**The Farnham Writers’ Center** The Farnham Writers’ Center is a resource for all Colby students, faculty members, staff, and members of their families. Trained Colby students operate the center with the philosophy that writing is not a discrete skill but rather an important part of thinking and learning. Writers’ Center staff members work with writers at all levels of development, at any point during their writing processes, from first ideas to final drafts. Since writing occurs in courses across the curriculum at Colby, Writers’ Center staff members are prepared to respond to various forms of discipline-specific writing—lab reports, case studies, application essays, and response writing, for example, as well as standard academic essays. While many elect to use the Writers’ Center from time to time on particular pieces of writing, some may prefer more intensive collaboration and choose to enroll in English 112, a one-credit course that establishes weekly meetings with designated staff members. Writers’ Center staff members also work with writers across Colby’s diverse extended community: first-year composition students; students with particular writing difficulties, including diagnosed learning differences; senior scholars; students for whom English is not a first language or who do not speak English in their home environments; job and graduate school applicants; candidates for the Watson Fellowship and Fulbright Scholar Program; and all writers interested in developing skills specific to personal, professional, and civic contexts. The Farnham Writers’ Center, located in Miller Library 9C, is open weekdays and selected evenings. More information can be accessed at [www.colby.edu/writers.center](http://www.colby.edu/writers.center).

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# Courses of Study

# Courses of Study

**Course Designations** Each course is identified by a title, subject, and number: e.g., *English Composition* is *English 115* and would appear on the printed curriculum as *EN115*.

The *first digit* indicates the course level and the class or classes eligible to take the course:

000: noncredit January programs; priority to first-year students unless otherwise noted

100: priority to first-year students

200: open to sophomores and classes above

300: open to juniors and seniors

400: restricted to seniors

Permission of the instructor is required to confirm enrollment in a course of a level not open to the student's class.

**Prerequisites:** Course descriptions include specific *prerequisites* when these are required by instructors. *Permission of the instructor is required to enroll in any course for which the student has not satisfied a stated prerequisite.*

**Curriculum:** Departments have the option to offer particular courses in either one or both semesters and/or January. Catalogue descriptions provide this information with bold-faced letters immediately following course numbers:

f: course is offered in fall semester

j: course is offered in January term

s: course is offered in spring semester

[ ]: course is not offered in current year

The curriculum for each semester, available at the Registrar's Office and on the Registrar's Web page, provides information about the time and place of classes as well as their final examination group numbers. Course enrollment limits and priorities for admission to courses are set by departments; this information is also included in the curriculum from which courses are selected.

Courses listed in the catalogue as well as the curriculum are subject to withdrawal at the discretion of the College administration. Departments reserve the right to limit enrollment in any course and to establish priorities for courses that might be overenrolled.

Faculty on leave or directing Colby programs abroad are listed beginning on page 263.

**Area Requirements:** Catalogue descriptions of courses that fulfill area requirements include a bold-faced capital letter following the number of credit hours:

A: Arts

H: Historical Studies

L: Literature

N: Natural Science

Q: Quantitative Reasoning

S: Social Sciences

Courses that fulfill the requirement in *Diversity* are designated by a bold-faced **D** for students prior to the Class of 2007 and by a bold-faced **U** or **I** for students in the Class of 2007 and following classes.

**Credit Hours** Credit hours published are per semester and are indicated in each course description as well as in the curriculum. Some courses, listed for variable credit, provide an opportunity for students to earn augmented credit by completing extra work as agreed upon with the instructor by a specified deadline and registered for appropriately.

With the exception of "topics" courses and seminars in which subject matter varies, courses may not be repeated for additional credit.

**"Critical Dates and Deadlines,"** a schedule for each academic year, is issued by the registrar and includes deadlines for adding, dropping, and withdrawing from courses and for declaration and revocation of the satisfactory/unsatisfactory option or augmented credit option.



# Administrative Science

*Chair*, PROFESSOR LEONARD REICH

*Professors Randy Nelson and Reich; Visiting Assistant Professor Barry Farber*

The program in administrative science is devoted to the study of organizations in American society. In today's climate of intense domestic and international competition it is important to approach organizational problems with rigor, ethical responsibility, historical perspective, and imagination. Students wishing to explore management from a variety of perspectives may choose the administrative science minor.

## Requirements for the Minor in Administrative Science

Administrative Science 212, 221, 311; Economics 133, 134; and two courses chosen from Computer Science 113, Economics 331, Mathematics 112 or 231, or other courses in administrative science.

Students intending to minor in administrative science should normally take Administrative Science 212 no later than their junior year.

Successful completion of the minor requires a 2.0 average for all requirements above. None of the required courses may be taken satisfactory/unsatisfactory.

## Course Offerings

**212fs American Business and Management** A broad perspective on business and management provided through consideration of the historic, ethical, financial, organizational, and economic issues that managers face. Emphasis is placed on competitiveness. Based on text, readings, and lectures. *Four credit hours.* **S.** REICH

**221fj Financial Accounting** The underlying theory and analytical aspects of the measurement, recording, and reporting of a firm's financial information to external users. Emphasis is on the conceptual and communication aspects of the financial accounting model in modern society—its relationship to law, economics, and social policy. *Three credit hours.* **FARBER**

**231f Introduction to Financial Decision Making** An introduction to the analytical tools—including compound interest, discounting, diversification, asset valuation, and portfolio theory—used to analyze a broad range of financial problems. The tools are then used to analyze problems faced by individuals, rather than corporations. For students with little or no background in economics or finance; students may not receive credit for both Administrative Science 231 and either 311 or 322. *Four credit hours.* **NELSON**

**[251] Industry, Technology, and Society** Listed as Science, Technology, and Society 251 and cross-listed as History 243 (q.v.). *Four credit hours.* **H.**

**311f Corporate Finance I** An introduction to financial markets, institutions, and instruments. The tools needed for discounted cash flow analysis, asset valuation, and capital budgeting are developed. The effects of diversification on risk and the relationship between risk and return are also considered. *Four credit hours.* **NELSON**

**322s Corporate Finance II** An examination of (i) the issues firms face in obtaining long-term financing and establishing a dividend policy, (ii) the effects of capital structure on the cost of capital and the value of the firm, (iii) international corporate finance, and (iv) the use of financial derivatives, including options, to manage financial risk. *Prerequisite:* Administrative Science 311. *Four credit hours.* **NELSON**

**333f Marketing in America** Understanding of marketing as a pervasive organizational function. Emphasis is on the processes by which organizations make product, service, and social marketing decisions and on the societal consequences of those decisions. *Prerequisite:* Administrative Science 212. *Three or four credit hours.* INSTRUCTOR

**335fs Strategic Planning in Business** An analysis of the interrelationships among management, marketing, and strategic planning in the business sector. *Prerequisite:* Administrative Science 212. *Three or four credit hours.* INSTRUCTOR

**354s Business Law** A study of the fundamental principles of the law of contracts, torts, property, agency and employment, and governmental regulations with emphasis on the role these play in both personal and business life. Attention is placed on the interaction between the business community and legal environment in the context of business ethics and integrity utilizing a systematic analysis, including cases, class participation/discussion, debates, and mock trial. *Four credit hours.* S. INSTRUCTOR

**356s The Biography of Oil** Listed as Science, Technology, and Society 398 (q.v.). *Four credit hours.* S. REICH

**[373] Operations Research** Listed as Mathematics 373 (q.v.). *Four credit hours.*

**491f, 492s Independent Study** Individual projects devoted to organizational issues in which the student has demonstrated the interest and competence necessary for independent work. *Prerequisite:* Permission of the instructor. *One to four credit hours.* FACULTY

## African Studies

*Director,* PROFESSOR CATHERINE BESTEMAN

PROGRAM FACULTY AND ADVISORY COMMITTEE: *Professors Besteman (Anthropology), Laura Chakravarty Box (Theater and Dance), Guilain Denoeux (Government), Suellen Diaconoff (French), Anindyo Roy (English), André Siamundele (French), James Webb (History); Martha Denney (Off-Campus Study)*

Africa is a continent of 30 million square kilometers, 54 countries, and 748 million people. It represents one of the culturally and ecologically richest areas in the world and has a history and future integrally connected to both the Americas and Europe.

The African Studies Program offers a minor that is both flexible and interdisciplinary and can be combined with a wide range of majors. In particular, it supports and complements majors in anthropology, French studies, environmental policy, history, government, and international studies.

Students may complete all their requirements for the minor in English or, if they are students of French, take several of their courses in French. For opportunities involving the independent study of other African languages, please see the director.

The minor is composed of six courses, including a research seminar in which a major piece of writing on an African subject will be produced. Foreign experience is an essential complement to traditional class work on campus, and all students are strongly encouraged to include study abroad on an approved academic program in Africa.

### Requirements for the Minor in African Studies

- (1) Six courses including: two core courses, History 261 and Anthropology 237;
- (2) Two additional courses such as the following or from approved study abroad courses: Anthropology 254 Women of the African Diaspora, English 348 Postcolonial Literatures, French 238 Introduction to the French Francophone World, French 372 France and Africa, History 364 African Economic History, Music 118 African Music;

(3) One course in African-American studies from the following: American Studies 276 African-American Culture in the United States, Anthropology 231 Caribbean Society and Culture, English 343 African-American Literature, History 247 African-American History, from Slavery to Freedom, Religious Studies 356 The African-American Religious Experience, Sociology 357 Civil Rights, Black Power, and Social Change;

(4) One research seminar, in the senior year, serving as the capstone experience and requiring a substantial research project dealing with Africa, such as Anthropology 452 Anthropology of Power, Economics 474 Economic Demography, Environmental Studies 493 Environmental Policy Seminar, Government 451 Political Violence, Revolutions, and Ethnic Conflict, History 446 Historical Epidemiology, or French 493 when the theme is appropriate.

## Course Offerings

**491f, 492s Independent Study** Individual study of special problems in African studies in areas where the student has demonstrated the interest and competence necessary for independent work. *Prerequisite:* Permission of the instructor and of the program director. *One to four credit hours.* FACULTY

## African-American Studies

*Director,* PROFESSOR CHERYL TOWNSEND GILKES

PROGRAM FACULTY AND ADVISORY COMMITTEE: *Professors Jeffrey Anderson (Anthropology), Catherine Besteman (Anthropology), Cedric Gael Bryant (English), Gilkes (African-American Studies and Sociology), Jill Gordon (Philosophy), Paul Machlin (Music), Phyllis Mammocchi (English), Margaret McFadden (American Studies), David Nugent (Anthropology), Maritza Straughn-Williams (Anthropology and African-American Studies), James Webb (History), and Robert Weisbrot (History); and two student representatives*

The African-American Studies Program is an interdisciplinary program of courses organized to provide an overview and introduction to the experiences of peoples of African descent in the United States and to connect those experiences to the literatures, histories, and cultures of Africa and of Latin America and the Caribbean. Courses in the program expose students to classical and contemporary literature, to issues of public policy, to critical debates in history and social science, and to main currents of historical and contemporary cultural expression. Students may elect a major in African-American/American studies or they may elect a minor in African-American studies built upon courses in anthropology, history, literature, economics, government, music, religious studies, and sociology. Students also may compose an independent major. Although the program exposes students to the history and culture of Africans and people of African descent throughout the Americas, the program's primary focus is on the literature, history, and culture of African Americans in the United States.

### Requirements for the Major in African-American/American Studies

Fourteen courses selected from American studies, literature, social science, and music, including American Studies 271, 276, 493, English 255, 256, 343, 346, 427, History 131, 132, and 247; one course selected from Music 133 (when appropriate), 232, 238, or American Studies 282; History 261 or 364; two courses selected from American Studies 493 (when appropriate), Anthropology 211, 213, 217, 231, 254, 354, Philosophy 213, Religious Studies 356, Sociology 252, 354, 355, 357, 358, or Women's, Gender, and Sexuality Studies 221; and at least one course focused on Africa or the Caribbean, preferably selected from Anthropology 231, 237, 254 and History 261 and 364. Course substitutions and exchanges may be made in consultation with the advisor.

### Requirements for the Minor in African-American Studies

Seven courses including African-American/American Studies 276; English 343; History 247; one course selected from Music 133 (when appropriate), 232, 238, or American Studies

275, 282; at least one course focused on Africa or the Caribbean; and two courses selected from American Studies 493, Anthropology 217, 231, 254, English 346, 413 (when appropriate), 427, Philosophy 213, Religious Studies 356, Sociology 252, 354, 355, 357, 358, or Women's, Gender, and Sexuality Studies 221. Course substitutions and exchanges may be made in consultation with the advisor.

Interested students also may consider an independent major in African-American studies or an independent major that combines African-American studies with another relevant discipline, especially anthropology. Minors and majors are instructed to inform faculty that they are African-American studies minors, African-American studies independent majors, or African-American/American studies joint majors when seeking the permission of the instructor to register for courses or when asking that prerequisites be waived.

**Courses that apply to the African-American/American studies major**

<i>American Studies</i>	271 Introduction to American Studies: The Material Culture of Modern Life
	275 Gender and Popular Culture
	493 Seminar in American Studies
<i>Anthropology</i>	211 Indigenous Peoples and Cultures of North America
	213 Human Rights and Indigenous Peoples
	354 Native American Religion and Empowerment
<i>English</i>	255 Studies in American Literary History
	256 Studies in American Literary History
	413 Authors Courses (when appropriate)
<i>History</i>	131 Survey of United States History, to 1865
	132 Survey of United States History, 1865 to the Present
<i>Music</i>	133 American Music

**Courses approved for the African-American studies minor and for the African-American/American studies major**

<i>American Studies</i>	276 African-American Culture in the United States
	282 American Popular Culture
<i>Anthropology</i>	213 Human Rights and Indigenous Peoples
	217 Race and Ethnicity: Cross-Cultural Perspectives
	231 Caribbean Society and Culture
	237 Ethnographies of Africa
	254 Women of the African Diaspora
<i>English</i>	343 African-American Literature
	346 Culture and Literature of the American South
	413 Author Course (when appropriate)
	493 Seminar (when appropriate)
<i>History</i>	247 African-American History, from Slavery to Freedom
	261 African History
	364 African Economic History
<i>Music</i>	133 American Music (when appropriate)
	232 Jazz History
	238 Burnt Biscuits and Green Onions: From Rhythm and Blues to Soul
<i>Religious Studies</i>	356 The African-American Religious Experience
<i>Philosophy</i>	213 Philosophical Inquiries into Race
<i>Sociology</i>	252 Race, Ethnicity, and Society
	354 Sociology and the American Race Problem
	355 African-American Women and Social Change
	357 Civil Rights, Black Power, and Social Change
	358 The Sociology of W.E.B. Du Bois
<i>Women's, Gender, and Sexuality Studies</i>	221 Gender, Race, and the Politics of Difference



## Course Offerings

**231s Caribbean Society and Culture** Listed as Anthropology 231 (q.v.). *Four credit hours.* S, D, I STRAUGHN-WILLIAMS

**[238] Burnt Biscuits and Green Onions: From Rhythm and Blues to Soul** Listed as Music 238 (q.v.). *Four credit hours.* A, D.

**254f Women of the African Diaspora** Listed as Anthropology 254 (q.v.). *Four credit hours.* S, D, I STRAUGHN-WILLIAMS

**276s African-American Culture in the United States** Listed as American Studies 276 (q.v.). *Four credit hours.* S, D, U. GILKES

**491f, 492s Independent Study** Individual study of special problems in African-American studies in areas where the student has demonstrated the interest and competence necessary for independent work. *Prerequisite:* Permission of the instructor and of the program director. *One to four credit hours.* FACULTY

## American Studies

Director, ASSOCIATE PROFESSOR MARGARET MCFADDEN

ADVISORY COMMITTEE: *Professors Richard Ammons (College Relations and American Studies), Terry Arendell (Sociology and Women's, Gender, and Sexuality Studies), Cedric Gael Bryant (English), Alec Campbell (Sociology), Debra Campbell (Religious Studies), Daniel Contreras (English), Anthony Corrado (Government), James Fleming (Science, Technology, and Society), Cheryl Townsend Gilkes (African-American Studies and Sociology), Natalie Harris (English), Peter Harris (English), Elizabeth Leonard (History), Paul Machlin (Music), Sandy Maisel (Government), Phyllis Mannocchi (English), Michael Marlais (Art), McFadden (American Studies), Thomas Morrione (Sociology), Patricia Onion (English), Jason Opal (History), Leonard Reich (Administrative Science and Science, Technology, and Society), Laura Saltz (American Studies and Art), Katherine Stubbs (English), Pamela Thoma (American Studies and Women's, Gender, and Sexuality Studies), Robert Weisbrot (History); Adjunct Instructors Linda Goldstein and Kenneth Eisen*

American studies is an interdisciplinary major that enables students to explore the complex interactions of peoples, cultures, social structures, and political institutions that have shaped the experiences of those living in the United States. Students are introduced to canonical and non-canonical literatures, to historical studies, and to main currents in historical and contemporary cultural production, as well as to questions of the relationship of the United States to the rest of the world.

### Requirements for the Major in American Studies

The American studies major requires 14 courses—five in American studies (American Studies 271, 393, 493, and two electives), three in American history (History 131 or 231, 132 or 232, and one elective at the 300-level or above), three in American literature (English 255, 256, and one elective at the 300-level or above), and a three-course thematic concentration, approved by the American studies advisor, selected from the following list of appropriate courses. One of the 14 courses also must meet the program's ethnic studies requirement, selected from among the following: American Studies 276, 277, 315, 398, Anthropology 211, 213, 217, 254, 354, English 342, 343, 413, 427, History 247, 281, 397, Music 232, 238, Philosophy 213, Religious Studies 356, Sociology 252, 354, 355, 357, Spanish 276, Women's, Gender, and Sexuality Studies 221, 311.

Of the required courses, History 131/231 and 132/232 and American Studies 271 should be taken before the end of the second year.

The point scale for retention of the major applies to all courses offered toward the major. No requirement for the major may be taken satisfactory/unsatisfactory. No more than five courses taken abroad may be counted toward the major.

### **Honors Program**

Students majoring in American studies may apply during their junior year for admission to the honors program. Permission is required; guidelines are established by the department. Successful completion of the work of the honors project, and of the major, will enable the student to graduate "With Honors in American Studies."

Attention is called to the major in African-American/American studies; requirements are listed under "African-American Studies."

### **Courses from other departments that may be applied to the American studies major** (Not all courses are offered every year; check curriculum for availability.)

<i>Administrative Science</i>	354 Law in American Society
<i>Anthropology</i>	211 Indigenous Peoples and Cultures of North America
	217 Race and Ethnicity: Cross-Cultural Perspectives
	254 Women of the African Diaspora
	313 Researching Cultural Diversity
	354 Native American Religion and Empowerment
<i>Art</i>	277 American Visual Arts I
	285 History of Photography
	353 Contemporary Art, 1914 to the Present
	493 Seminar (when appropriate)
<i>Economics</i>	231 Environmental and Natural Resource Economics
	254 The Economics of Women, Men, and Work
	274 American Economic History
	312 Topics in Law and Economics
<i>Education</i>	215 Children and Adolescents in Schools and Society
	231 Teaching for Social Justice
	235 Multiculturalism and the Political Project
	332 Women, Girls, and the Culture of Education
	336 American Education: Historical and Philosophical Foundations
<i>English</i>	255 Studies in American Literary History I
	256 Studies in American Literary History II
	333 Modern American Drama, 1920-1970
	336 Early American Women Writers
	338 American Renaissance I: Poe, Hawthorne, and Melville
	339 American Renaissance II
	341 American Realism and Naturalism
	342 American Indian Literature
	343 African-American Literature
	344 19th-Century American Poetry
	345 Modern American Fiction
	346 Culture and Literature of the American South
	347 Modern American Poetry
	351 Contemporary American Poetry
	352 Contemporary Asian-American Women Writers
	353 American Short Story
	362 Art and Oppression: Lesbian and Gay Literature and Modern Society
	413 Authors Courses (when appropriate)
	427 The Harlem Renaissance
	457 American Gothic Literature
	493 Seminar in American Literature

*Government*

- 210 Interest Group Politics
- 211 The American Presidency
- 212 The American Congress
- 213 United States Senate Simulation
- 214 Parties and the Electoral Process
- 231 United States Foreign Policy: The Cold War
- 232 United States Foreign Policy II: After the Cold War
- 273 American Political Thought
- 297 Urban Government and Politics
- 298 Religion and Politics in the United States
- 313 Constitutional Law I: Federalism
- 314 Constitutional Law II: Individual Rights
- 318 Money and Politics
- 320 The Rights Revolution and Its Discontents
- 335 United States-Latin American Relations
- 351 United States Policy Toward the Middle East
- 371 Foundations of American Constitutionalism
- 412 Tutorial: The Politics of Presidential Elections
- 413 Seminar: Policy Advocacy
- 414 Seminar: Ethics in Politics

*History*

- 432 Seminar: United States Foreign Policy
- 131 Survey of United States History, to 1865
- 132 Survey of United States History, 1865 to the Present
- 231 American Women's History, to 1870
- 232 American Women's History, 1870 to the Present
- 233 Not Work: The Rise of Sport and Leisure in America
- 234 The American Revolution
- 235 The American Family
- 236 The American Frontier, 1600-1900
- 238 American Political History, 1600-Present
- 239 The Era of the Civil War
- 247 African-American History, from Slavery to Freedom
- 281 Jews and Judaism in America
- 297A Black Metropolis: African Americans and the Northern City
- 331 Markets, Morals, and Greed in Early America, 1620-1820
- 333 American Cultural History, 1600-1865
- 334 U.S. Cultural History, 1860-1974
- 335 Antebellum American Histories, 1830-1860
- 337 The Age of the American Revolution
- 338 Struggling from Revolution to Civil War
- 340 Biographies and Autobiographies of Great American Women
- 342 Crisis and Reform: American Society and Politics in the 1960s
- 347 America in Vietnam
- 398 The Working Class in the United States, 1900-present
- 433 Research Seminar: U.S. Cultural History, 1890-1915
- 435 Research Seminar: The American Civil War
- 447 Research Seminar: The Cold War

*Music*

- 133 American Music
- 232 Jazz History
- 238 Burnt Biscuits and Green Onions: From Rhythm and Blues to Soul

<i>Philosophy</i>	213 Philosophical Inquiries into Race
	218 Philosophy of Law
	352 American Philosophy
	392 Philosophy Seminar (when appropriate)
<i>Psychology</i>	253 Social Psychology
	352 Sex and Gender Seminar
	356 Social Psychology Seminar
<i>Religious Studies</i>	217 Religion in the United States
	256 Religion in Film and Fiction
	257 Women in American Religion
	318 Seminar: Mary Daly
	356 The African-American Religious Experience
<i>Science, Technology, and Society</i>	245 Science, Race, and Gender
	250 Industry, Technology, and Society, 1750-1915
	251 Industry, Technology, and Society Since 1900
	271 History of Science in America
	275 Science, Technology, and Politics
	356 The Biography of Oil
	393 Technology, War, and Society
<i>Sociology</i>	231 Contemporary Social Problems
	233 Crime and Justice in American Society
	252 Race, Ethnicity, and Society
	253 Sports and Society
	255 Urban Sociology
	259 Fighting the Power: Social Movements in America
	273 Sociology of Families
	274 Social Inequality and Power
	276 Sociology of Gender
	277 Social Psychology
	292 Social Change
	352 American Critics of American Society
	355 African-American Women and Social Change
	357 Civil Rights, Black Power, and Social Change
	358 W.E.B. Du Bois
	377 Sociology of Sexualities
	493 Senior Seminar in Sociology (when appropriate)
<i>Spanish</i>	276 U.S. Latina/Chicana Women Writers
<i>Women's, Gender, and Sexuality Studies</i>	217 Boys to Men
	221 Gender, Race, and the Politics of Difference
	311 Seminar in Feminist Theory

## Course Offerings

**115j The Image of Women and Men in American Film** How Hollywood films of a particular era reflected and helped determine the vast social and psychological changes that women, men, and the country were experiencing—or were denying experiencing—during tumultuous time periods of United States history. Topics include gender roles, genre, directorial style, historical background, the effects of camera placement, movement and lighting, and the function of narrative; how to “read” a film. This year’s topic: “The Sixties” (1958-1978). Enrollment limited; upperclass students seeking admission should contact Mr. Eisen at shadow@prexar.com. *Three credit hours.* **D.** EISEN

**[136] American Culture from the Bomb to 'Nam** An examination of American culture during the explosive period from 1945 to 1970, utilizing novels, poetry, films, and photographs of the period. Focus on gender, sexuality, and race, asking how Americans



managed to subvert the Cold War desire for consensus and usher in the turbulent '60s. Emphasis on skills of literary and visual analysis. Part of the Integrated Studies Program; requires concurrent enrollment in History 136 and Philosophy 136. Admission by application. *Four credit hours.* S, U.

**259f Fighting the Power: Social Movements in America** Listed as Sociology 259 (q.v.). *Four credit hours.* CAMPBELL

**271fs Introduction to American Studies** An introduction to methods and themes in American studies, the interdisciplinary examination of past and present United States culture. A wide selection of cultural texts, from all periods of American history, explore the dynamic and contested nature of American identity. Literary, religious, and philosophical texts, historical documents, material objects, works of art and music, and varied forms of popular culture are studied, with a focus on what it means, and has meant, to be an American. *Four credit hours.* U. C. CARRICK

**[275] Gender and Popular Culture** In the 21st century, popular culture is a key site for the dissemination of ideas about gender roles, gender relations, and sexuality. Recent feminist approaches to the study of popular culture provide theories on how contemporary films, music, advertising, toys, television, magazines, and popular fiction help to construct us as gendered individuals. Also listed as Women's, Gender, and Sexuality Studies 275. *Four credit hours.* D, U.

**276s African-American Culture in the United States** An interdisciplinary examination of black cultural expression from the slave era to the present—including folk tales, the blues, gospel music, work songs, jazz, sermons, dance, literature, and social institutions—tracing the stages of development of a distinctive black culture in America, its relationship to the historical, social, and political realities of African Americans, and its role in the cultural formation of the United States. Also listed as African-American Studies 276. *Four credit hours.* S, D, U. GILKES

**277f Coming of Age in Asian America: Film and Fiction** An interdisciplinary examination of the experiences and histories of Asian Americans using the coming of age narrative that structures much contemporary Asian-American film and fiction. Critical study of cultural texts will emphasize how they comment upon and shape understanding of U.S. immigration policy and the diversity of ethnic, class, and sexual identities within Asian America; the “perpetual foreigner” and “model minority” myths in the racial hierarchy of the United States; and interracial marriage, biracial identity, and international interracial adoption. *Four credit hours.* D, U. THOMA

**282s American Popular Culture** An interdisciplinary examination of the ways our ideas about race and ethnicity in the United States have been shaped and reshaped by popular cultural forms, from blackface minstrelsy of the 1840s to today. Special attention to the relationship between changing ideologies of race and ethnicity and the social, political, and historical experiences of a diverse range of people living in the United States. Examples from popular theater, recorded sound, radio, silent and sound film, advertising, television, and new computer-based media. *Four credit hours.* U. MCFADDEN

**[285] History of Photography** Listed as Art 285 (q.v.). *Four credit hours.*

**315s Contemporary Asian-American Women Writers** Listed as Women's, Gender, and Sexuality Studies 315 (q.v.). *Four credit hours.* L, D, U. THOMA

**[334] Film and Society** An examination of films of the 1940s—the classics of American cinema—and their obsession with the themes of darkness and disorder. Emphasis on film genre, including film noir, melodrama, the western, the war film. Issues considered:

techniques of visual analysis; the use of film theory to understand the ways genres construct oppositions of male/female, self/other, order/chaos, American/alien; connections between 1940s films and their contexts, including such turbulent events as World War II and HUAC (House Un-American Activities Committee). *Four credit hours.* U.

**335j American Independents: Their Art and Production** The conception, content, and production of independent films. On campus examination of classic independents from the past will be followed by attendance at the Sundance Film Festival in Park City, Utah, January 20-30, where attendance at selected film showings will be supplemented by class meetings. Upon return to campus students will report on and synthesize their observations and experiences. Cost in 2004, including transportation and accommodations: \$1,545. *Three credit hours.* A. MANNOCCHI

**376s Alternative Popular Cultures** Representing contemporary gay, lesbian, bisexual, and transgendered lives. Popular culture aimed at a broad national audience has not typically represented gay, lesbian, bisexual, or transgendered people with much sympathy or accuracy. Drawing on critical models from queer theory, this course offers an interdisciplinary exploration of contemporary popular texts (narrative films, video, television programs, popular fiction, and coming out stories, cartoons, comedy, Internet sites, performance art, and music) created by and for gay, lesbian, bisexual, and transgendered people about their own (quite diverse) lives. Other topics include camp, drag, voguing, musicals, queering "straight" texts, political activism, and the backlash in the media against the new visibility of GLBT issues (same-sex marriage, gays in the military, the "Ellen" controversy, the dangers of Tinky Winky). *Prerequisite:* American Studies 275 or 282 or English 362. *Four credit hours.* U. MCFADDEN

**378s American Dreams: The Documentary Film Perspective** The American experience as viewed through the lenses of American documentary filmmakers and videographers. The issues of documentary: reality or art, truth-telling or fiction-making, propaganda or objective presentation, responsibility of the filmmaker. A study of all the different visions of America that documentaries have created: from its historical roots (*The Plow That Broke the Plains*, Frank Capra's war documentaries) through its classic examples (*High School*, *Thin Blue Line*, *Berkeley in the 1960s*, *Hoop Dreams*) to its most current realizations (*It Was a Wonderful Life*, *Tongues Untied*), part of a renaissance in American documentary, born out of the new filmic expression of the most marginalized groups in American society. *Four credit hours.* D, U. MANNOCCHI

**393f Proseminar: Cultural Studies of American Musics** Required of all majors, preferably during the junior year. Fall 2004: "Cultural Studies of American Musics." A powerful new emphasis in American studies is the scholarly interpretation of the social, political, and cultural dimensions of musical life in the United States. Exploration of a range of American musical cultures from a variety of theoretical and methodological perspectives; the role of music and dance in the construction and maintenance of racial, ethnic, gender, class, and sexual identities and communities. *Prerequisite:* Junior standing as American studies major. *Four credit hours.* U. MCFADDEN

**[457] American Gothic Literature** Listed as English 457 (q.v.). *Four credit hours.* L, U.

**483f, 484s Senior Honors Project** Research conducted under the guidance of a faculty member and focused on an approved interdisciplinary topic leading to the writing of a thesis. *Prerequisite:* A 3.25 major average and permission of the director of the program. *Three credit hours.* FACULTY

**491f, 492s Independent Study** Individual study of special problems in American studies in areas where the student has demonstrated the interest and competence necessary

for independent work. *Prerequisite:* Permission of the instructor and the program director. *One to four credit hours.* FACULTY

**493f Seminar: Culture and Politics Since 1980** An in-depth, interdisciplinary examination of the complex relationships between politics, economics, and cultural production, from 1980 to today. From a grounding in recent history and in cultural theory, how cultural texts like films, novels, music, advertising, plays, television, and news media have been instrumental in shaping contemporary national political culture and American identity. Special attention to the role of cultural texts in representing issues of war and peace and U.S. foreign policy. *Prerequisite:* Senior standing as an American studies major. *Four credit hours.* MCFADDEN

## Ancient History

*In the Department of Classics.*

*The Classics Department offers courses listed in this catalogue under "Ancient History," "Classics," "Greek," and "Latin."*

### Course Offerings

**[139] Athens, Rome, and Jerusalem** Listed as Classics 139 (q.v.). *Three credit hours.* I.

**[145] Between Revolution and Tradition: Julius Caesar and Augustus** Listed as Classics 145 (q.v.). *Three credit hours.* H.

**154s Roman History** A history of Rome from a city-state to an empire. Topics include the Romans' view of their past, Roman social institutions, imperialism and the crisis of the Roman Republic, and emperors and their subjects. *Three or four credit hours.* H, I. J. ROISMAN

**158f Greek History** A survey of Greek history and civilization from the earliest times to the end of the Classical period. The Heroic Age, the city-state, Greek sexuality, the wars with the Persians, ancient democracy, and the intellectual and cultural achievements of the ancient Greeks are among topics covered. *Three or four credit hours.* H, I. J. ROISMAN

**[234] In Search of a Strong Man: Greece in the Fourth Century** Listed as Classics 234 (q.v.). *Three or four credit hours.* H, I.

**[356] Alexander the Great** Listed as Classics 356 (q.v.). *Four credit hours.* H.

**393f War and Society: Classical and Modern Perspectives** A seminar on the impact of war on society and the role of technology in shaping military history from antiquity to the present. Topics include causes of war, Greek infantry and morality, Hannibal, army and politics in the late Roman republic, mass production, total war, the rise of the national security state, and high-tech electronic and biological warfare. The relationship between classical and modern themes in the history of warfare. Preference to classics and science, technology, and society majors and minors. Also listed as Science, Technology, and Society 393. *Four credit hours.* FLEMING, J. ROISMAN

**491f, 492s Independent Study** Individual projects in areas where the student has demonstrated the interest and competence necessary for independent work. *Prerequisite:* Permission of the instructor. *One to four credit hours.* FACULTY



# Anthropology

*Chair*, ASSOCIATE PROFESSOR JEFFREY ANDERSON

*Professor David Nugent, Associate Professors Anderson, Catherine Besteman, and Mary Beth Mills; Assistant Professor Maritza Straughn-Williams.*

Anthropology is the scientific and humanistic study of cultural, physical, historical, and linguistic differences and similarities among humans. The discipline also seeks to understand and explain contexts of social inequalities by investigating power dynamics and identity constructions such as nationality, class, race, gender, and ethnicity. The program at Colby offers an introduction to anthropology's field methods, scope, and critical comparative analysis. Students receive training in anthropological theory and field methodology and in the discipline's engagement in solving social problems; firsthand experiences and participation in field programs investigating cultural diversity are encouraged. The department offers a major and a minor in anthropology and a minor in indigenous peoples of the Americas.

## Requirements for the Major in Anthropology

Twelve courses, including Anthropology 112, 113, 313, 332, 333, and one advanced seminar taken in the senior year and chosen from courses at the 400 level; one culture area course selected from Anthropology 211, 231, 235, 237, 239, 264; one topics course selected from Anthropology 213, 214, 217, 254, 256, 273; five elective courses, including at least three at the 300 level or equivalent; and four courses chosen in consultation with the advisor with a view toward diversifying the program of study. A maximum of one course selected from the list of electives (preceding anthropology course descriptions below) cross-listed from other departments may be counted toward the major.

The point scale for retention of the major applies to all courses offered toward the major. No courses for the major may be taken satisfactory/unsatisfactory.

## Honors in Anthropology

Seniors majoring in anthropology may apply for the honors program during the first two weeks of the fall semester. In addition to securing a faculty sponsor and department approval, the student must have a 3.25 overall grade point average and a 3.60 grade point average in the major. The program involves independent research conducted in Anthropology 483. Honors normally will be taken for six to eight credits over two semesters, and the final product will be a thesis of 50 to 70 pages of superior quality.

## Requirements for the Minor in Anthropology

Six courses, including Anthropology 112 and 113; one culture area course selected from Anthropology 211, 231, 235, 237, 239, 264; one topical course selected from Anthropology 213, 217, 254, 256, or 273; and two additional courses in anthropology at the 300 or 400 level.

The point scale for retention of the minor applies to all courses offered toward the minor. No courses for the minor may be taken satisfactory/unsatisfactory.

Attention is called to (a) the minor in indigenous peoples of the Americas (requirements are listed separately under the "Indigenous Peoples of the Americas" section of the catalogue) and to (b) the major in classical civilization-anthropology (requirements are listed in the "Classics" section of the catalogue).

*Note:* Anthropology 112 fulfills both the social sciences area (S) and the diversity (D) requirements. Subsequent courses, requiring 112 as prerequisite, do not carry those designations.

## Courses from other departments, of which one course may be elected toward the anthropology major or minor:

African-American Studies	276 African-American Culture in the United States
American Studies	275 Gender and Popular Culture
	276 African-American Culture in the United States
	277 Introduction to Asian-American Cultures



	282 American Popular Culture
	376 Alternative Popular Cultures
English	348 Postcolonial Literatures
History	473 Historical Roots of Political Violence and Ethnic Conflict in Modern Latin America
Philosophy	213 Philosophical Inquiries into Race
	314 Marx and Marxist Philosophy
Sociology	333 Globalization
	355 African-American Women and Social Change

## Course Offerings

**112fs Cultural Anthropology** An intensive introduction to the study of different societies and cultures in the world, using a cross-cultural perspective on human behavior. Explores the diversity of human cultures from hunter-gatherers to industrialized city dwellers. Considers the implications of economic, social, political, symbolic, and religious systems for the lives of men and women. Topics include enculturation and transmitting values; group coherence and continuity; impact of material, technological, and social change; effects and culture contact. By emphasizing non-Western cultures, the course critically explores our accepted notions about human nature, society, and ideologies. *Four credit hours.* S, D, I. FACULTY

**113s Language, Culture, and Society** A broad introduction to the relationship of language to cultural context and social organization, surveying basic concepts, case studies, and major theoretical perspectives in the field of anthropological linguistics. An overview of past and contemporary approaches focuses on language structure, dialectal variation, gender-based differences, linguistic relativity, language change, poetics, language universals, literacy, the evolution of human communication, language engineering, and more, to develop an appreciation for the great diversity of human languages across and within cultures, the multiple functions of language in culture and society, and the cross-disciplinary ways of understanding human communication offered by anthropological linguistics. *Four credit hours.* S, D, I. ANDERSON

**175f Ordering the Cosmos** "Cosmos" is a Greek word meaning "order" or "arrangement." An exploration of how the ancient Greeks understood and made sense of their world in the "cosmos" of their making. Considering a range of domains from the theological to the social and ethnographic, how various systems of thought worked to produce order in their world, and how these systems complement or contradict one another. Topics include cosmology, religious practices, views of civic order and justice, and the Greeks' own interest in cultural difference. Requires concurrent enrollment in Philosophy 175. *Four credit hours.* BARRETT

**211f Indigenous Peoples and Cultures of North America** An ethnographic survey of the sociocultural systems developed by indigenous Americans north of Mexico. Examines relationships between ecological factors, subsistence practices, social organizations, and belief systems, along with contemporary issues of change, contact, and cultural survival. *Prerequisite:* Anthropology 112. *Four credit hours.* U. ANDERSON

**213f Human Rights and Indigenous Peoples** Throughout its history, anthropology has been committed to and active in maintaining the rights of indigenous peoples against the negative global forces of nation-state power, racist ideologies, assimilative missionization, and industrial resource appropriation. An overview of the contemporary state of indigenous peoples utilizing online research of Internet sites established by indigenous peoples themselves, anthropological groups, international human rights organizations, world news services, national governments, and the United Nations. *Prerequisite:* Anthropology 112. *Four credit hours.* I. ANDERSON

**217s Race and Ethnicity: Cross-Cultural Perspectives** An introduction to the main theories that attempt to explain race and ethnicity, including the notion that both are social and not biological entities. Case studies from around the New World that reflect the ways different socioeconomic, political, and historical structuring contexts encourage varying forms of racial and ethnic identification. Application of the principles derived from this study to understand racial and ethnic interaction and tensions in the contemporary United States. *Prerequisite:* Anthropology 112. *Four credit hours.* **I.** NUGENT

**231s Caribbean Society and Culture** An examination of the historical and contemporary development of the Caribbean; careful consideration to the racial and ethnic composition of its people. Issues such as family, class, color, gender, politics, and economic underdevelopment provide an understanding of the problems currently facing the region. Also listed as African-American Studies 231. *Prerequisite:* Anthropology 112. *Four credit hours.* **I.** STRAUGHN-WILLIAMS

**235s Latin American Culture and Society** An examination of the culture and political economy of rural Latin American societies, assessing the extent to which a historical approach that focuses on systems of values and institutions promoting social integration best explains these societies. *Prerequisite:* Anthropology 112. *Four credit hours.* **I.** NUGENT

**237f Ethnographies of Africa** An introduction to the continent of Africa, its peoples, and its many social worlds, beginning with a survey of the place (geography) and the ways in which Africa's inhabitants have been defined (classifications of language, race, and culture). Social and cultural diversity within the continent is examined through ethnographic case studies. Issues include experiences of economic change, political conflict, the creation of new identities and cultural forms in contemporary African societies, and perceptions of Africa in Western thought and history. *Prerequisite:* Anthropology 112. *Four credit hours.* **I.** BESTEMAN

**[239] Southeast Asian Cultures and Societies** Southeast Asia is a region of great diversity and has long been a focus of anthropological interest; in recent years dramatic political and economic changes have often made the region a focus of international as well as scholarly attention. An examination of the diverse social and cultural contexts that make up the region, exploring both historical roots and contemporary experiences of Southeast Asian peoples. The impact of European colonial regimes on indigenous societies, religious and ethnic diversity, peasant social organization and political resistance, and the effects of economic change and industrialization. *Prerequisite:* Anthropology 112. *Four credit hours.* **I.**

**252j Hunger, Poverty, and Population: The Anthropology of Development** Examining theoretical approaches to problems of development in addition to anthropological studies of different forms of non-Western economies, and an attempt to understand why the majority of aid and development programs provided by industrialized nations toward solving the problems of Third World poverty have failed. A focus on evaluating the consequences of the kind of development advocated by different approaches to development and on assessing the potential contribution of anthropological knowledge to solving recurrent problems in development analysis. *Prerequisite:* Anthropology 112. *Three credit hours.* NUGENT

**254f Women of the African Diaspora** The ways in which race, class, and gender have structured the lives of women of the African Diaspora. Case studies from Brazil, the United States, and the Caribbean are examined to learn how these factors shaped the political, economic, and social positions of the women in their respective societies. Also listed as African-American Studies 254. *Prerequisite:* Anthropology 112. *Four credit hours.* **I.** STRAUGHN-WILLIAMS

**256f Land, Food, Culture, and Power** An examination of cultural and political aspects of land and other resource use in contexts of culture contact and/or social change, drawing from a variety of ethnographic examples in different parts of the world. A focus on varied subsistence and resource management systems explores how local forms of livelihood have been incorporated into and challenged by national and global economic relations and structures through processes of colonization and the growth of transnational capitalism. *Prerequisite:* Anthropology 112. *Four credit hours.* U. MILLS

**264f Contemporary Chinese Society: An Anthropological Account** Listed as East Asian Studies 254 (q.v.). *Four credit hours.* S, D, I. ZHANG

**273f Medical Anthropology** All human groups have ways of explaining illness and disease. Students gain an insider's view of how different cultures define and treat disease/illness. Emphasis on the study of cultural beliefs, rituals, population shifts, and environmental factors related to health. *Prerequisite:* Anthropology 112. *Four credit hours.* STRAUGHN-WILLIAMS

**[275] The Anthropology of Expressive Culture** An introduction to the study of such cultural forms as art, music, dance, theater, and poetry from an anthropological viewpoint. Emphasizes discussion of ethnographic case studies and students' own experiences to gain an understanding of questions asked by anthropologists, as distinct from the approaches and concerns of historians, critics, practitioners, and fans. Examines the concepts of "creativity" and "expression" cross-culturally. Explores the role of the individual practitioner in his or her social context, and considers the relationships of aesthetic production and reception to social and political structure and change. *Prerequisite:* Anthropology 112. *Four credit hours.*

**313f Researching Cultural Diversity** Anthropologists are renowned for their research with exotic peoples in their natural settings. Topics include the development of fieldwork as a means to investigate cultural diversity, both abroad and at home; the goals and ethics of anthropological research; the nature of the fieldwork experience; the interaction with informants and the production of knowledge and how we "write culture." How the search for "other" also helps us to understand "self." Students will apply fieldwork concepts and methods to their own study of American culture. *Prerequisite:* Anthropology 112 and one other anthropology course. *Four credit hours.* NUGENT

**332s Ancestors, Descendants, and Legacies—Anthropology and Its Histories** Anthropology emerged as a separate discipline in the 1800s, the first systematic attempt to study human social and cultural diversity. While early anthropologists often operated under assumptions that have no place in today's discipline, many of their questions continue to fascinate their intellectual descendants. The personalities, social currents, and ideas that have shaped the development of anthropology. Diaries, films, biographies, literature, and original ethnographies link the contributions of individual anthropologists both to their particular social contexts and to their legacies for contemporary anthropological thought and practice. *Prerequisite:* Anthropology 112 and one other anthropology course. *Four credit hours.* MILLS

**333f Contemporary Theory** An analysis of the contemporary state of anthropology as a discipline. Special attention to political economy, symbolic anthropology, poststructuralism, reflexive anthropology, postmodernism, and feminist anthropology. *Prerequisite:* Anthropology 112 and one other anthropology course. *Four credit hours.* BESTEMAN

**334s Anthropology of Creativity** Creativity flows continually through all human cultures and languages with spontaneity, novelty, and unfolding meaning. A survey of various anthropological perspectives on the power of individuality, interpretation, resistance,



and imagination in the aesthetic process. Considered are music, poetics, literature, and graphic arts in various historical and contemporary cultural contexts. *Four credit hours.* **A.** ANDERSON

**336s The Meaning of Color and Culture** The concepts of race, color, and ethnicity are examined in cases from the United States, South Africa, Europe, Latin America, and the Caribbean to illustrate how race, color, and ethnicity are cultural and social categories. A historical overview of the concepts and the ways in which they have acquired different meanings over time and space. *Prerequisite:* Anthropology 112. *Four credit hours.* **S.** STRAUGHN-WILLIAMS

**348s Postcolonial Literatures** Listed as English 348 (q.v.). *Four credit hours.* **L, I.** ROY

**[351] Lives and Fictions: Writing Cultural Identities from the Margins** Texts that attempt to reclaim or recreate histories of marginalized peoples through the use of (auto)biography, fiction, film, poetry, visual art, and music will be analyzed for the strategies employed by oppressed and exploited peoples to tell the "truth" of their own lives. Also addressed will be questions of objectivity and verifiability, and the consequences of historically specific definitions of "fact" and "fiction." *Four credit hours.*

**[352] Anthropology of Power** Social life is about power. Everything we do is a reflection of or has implications for power dynamics in our society and world. Students will use anthropological training to explore conceptions of power, locating power in symbols, rituals, ideas, capital, and the ability to dominate. How power dynamics develop and structure social interaction, undergird ideological systems, drive the global and local distribution of wealth, and support regimes of terror. Students study instances of dissension, resistance, and rebellion fueled by power inequalities; readings lead through analysis of class, gender, and race into the terrain of cognition and the construction of knowledge. Formerly offered as Anthropology 452. *Prerequisite:* Anthropology 112 and one other anthropology course. *Four credit hours.* **I.**

**[354] Native American Religion and Empowerment** Native American sacred ways of speaking, acting, knowing, and creating in diverse historical and contemporary cultural contexts. Indigenous views and practices are studied as a groundwork for interpretive and theoretical formulations about the role of religion in Native American history, culture, and language. Native American religious traditions considered as dynamic modes of survival, empowerment, and renewal in the face of Euro-American domination. Indigenous, anthropological, and Euro-American perspectives on religion are brought into balanced dialogue and exchange. *Prerequisite:* Anthropology 112 or 211. *Four credit hours.* **U.**

**[356] The Anthropology of Time** The manifold types and functions of "time" in human cultures, societies, histories, and languages; how time both organizes and is shaped by human thought, action, social relations, and communication. Relationships among multiple dimensions of time, including quotidian, clock-based, seasonal, calendric, narrative, life cyclical, genealogical, historical, and cosmic levels. A critical review of the works of Marx, Weber, Durkheim, Mauss, Evans-Pritchard, Whorf, Geertz, Bourdieu, Leach, Bakhtin, Munn, Sahlin, and others. The question of the relationship between time and humanness in both its particularity and generality. Formerly offered as Anthropology 456. *Prerequisite:* Anthropology 112 and one other anthropology course. *Four credit hours.* **I.**

**373f The Anthropology of Gender and Sexuality** Gender and sexuality represent fundamental categories of human social and cultural experience; in every human society, understandings about gender and sexuality constitute powerful aspects of individual identity that shape and are shaped by key aspects of social relations and cultural belief. Yet specific beliefs and social structures vary tremendously across cultures. An investigation of the varied ethnography of gender and sexuality as well as important theoretical concerns: how



meanings are attached to the human body, the production and reproduction of gender hierarchies, and the processes by which gender and sexual meanings (and associated social forms) may be transformed or contested in our own and other societies. *Prerequisite:* Anthropology 112 and one other anthropology course. *Four credit hours.* U. MILLS

**397f Asian Pacific Modernities** The changing dynamics of contemporary social life in the Asian Pacific with particular emphasis on East and Southeast Asia. Ethnographic case studies of a range of cultural and social phenomena, including commodity consumption, mass media, expanding middle-class identities, religious movements, and popular art forms, examining both lived experiences in the region and the theoretical analysis of processes associated with “modernity” and “globalization.” *Prerequisite:* Anthropology 112. *Four credit hours.* MILLS

**[411] Thesis: Indigenous Peoples of the Americas** A thesis paper based on fieldwork or an approved special research project or practicum, which might include work with the Navajo, Passamaquoddy, or Penobscot nations or with indigenous peoples at approved Colby programs abroad. Students must consult with their minor advisor to plan and share work and research experiences. *Prerequisite:* Permission of the instructor. *Four credit hours.*

**474s Anthropology as Public Engagement** An exploration of innovative ways in which anthropology is utilized for proactive, public engagement in global, national, institutional, and local information networks, program planning, policy implementation, and transformative social action. Examined are past, present, and envisioned future engagements in various social fields spanning several disciplines, including economic development, environmental protection, labor relations, education, tourism, health care, human rights, gender equity, indigenous rights, state polity and law, non-governmental organizations, popular media, and social movements. *Prerequisite:* Senior standing as an anthropology major. *Four credit hours.* ANDERSON, BESTEMAN

**483f, 484s Honors in Anthropology** *Prerequisite:* Senior standing, admission to the honors program, and permission of the supervising faculty member. *Three or four credit hours.* FACULTY

**491f, 492s Independent Study** Individual topics in areas where the student has demonstrated the interest and competence necessary for independent work. *Prerequisite:* Permission of the instructor. *Two to four credit hours.* FACULTY

## Art

*Chair,* ASSOCIATE PROFESSOR BEVIN ENGMAN

*Professors Michael Marlais, Harriett Matthews, Daniel Rosenfeld and David Simon; Associate Professors Engman, Véronique Plesch, and Scott Reed; Assistant Professors Garry Mitchell, Dee Peppe, Laura Saltz, and Ankeney Weitz; Visiting Assistant Professor Joseph Feely; Adjunct Instructors Samuel Atmore, Bonnie Bishop, Jere DeWaters, and Nancy Meader*

The Art Department includes practicing artists and art historians. With special studios for drawing, photography, printmaking, and sculpture, the department offers a curriculum that allows students not only to explore the intrinsic nature of materials and techniques but also to develop their own expressive abilities. Art history offerings are designed with the recognition that artistic products of any period are related to the social, political, and cultural concerns of that period. Students at Colby are able to approach art from both a practical and historical perspective and thus are better able to understand the total experience of art.

### Requirements for the Major in Art

Any two of the following three courses: Art 111, 112, 173. Art 131 and one course in any three of the following four groups:

- (1) Art 311, 312, 313, 314
- (2) Art 331, 332, 333
- (3) Art 351, 352, 353
- (4) Art 273, 274, 376

and three additional graded art courses, which may be art history or studio courses in any proportion, making a total of nine courses.

The point scale for retention of the major applies to courses taken in the department. No requirement for the major may be taken satisfactory/unsatisfactory.

Students planning to continue the study of art or art history in graduate school should confer with their advisors to be sure that they have planned a substantial and adequate course of study. Art history graduate programs generally require reading proficiency in two foreign languages.

Attention is called to the interdisciplinary major in American studies.

### Requirements for the Concentration in Studio Art

For students who are fulfilling the major in art, the studio concentration is offered to provide a broadly founded studio sequence that will assist in the development of skills and strengthen portfolios for any anticipated graduate studio work. Additional requirements are: Art 221 and 222, or equivalent. The studio concentration *must* include at least a four-course sequence in either painting, printmaking, or sculpture among the requirements for the major, for a total of 12 courses. Students should make every effort to complete the drawing requirement as early as possible, thus allowing their advanced studio work to build upon that experience.

### Requirements for the Concentration in Art History

For students who are fulfilling the major in art, the art history concentration is offered to prepare the student for graduate work in the field. In addition to the standard requirements for the major, art history concentrators must take each of the survey courses (Art 111, 112, 173) and two additional art history courses, making sure to have at least one in each of the four distribution areas listed under requirements for the major. Art history concentrators are required to take an art history seminar at the 300 level or above, for a total of 12 courses.

### Requirements for the Minor in Art

An art minor is available and should be constructed according to the student's interests and on the advice of an Art Department faculty member. The art minor requires at least seven art courses, including Art 131 (or 161 and 162), two of the following: 111, 112, 173; and four additional courses at the 200 level or above.

## Course Offerings

**111f Survey of Western Art** A survey of the history of painting, sculpture, and architecture: Egyptian pyramids through Gothic cathedrals. *Four credit hours.* **A.** MARLAIS, SIMON

**112s Survey of Western Art** A survey of the history of painting, sculpture, and architecture: Renaissance Italy through contemporary America. *Four credit hours.* **A.** MARLAIS, SIMON

**[113] Photography** An exploration of photography as a creative medium, providing students with the basic information needed to produce black and white photographs. Topics include camera functions, lens functions, film processing, printmaking, and aesthetics. Considerable out-of-class time required. Evaluation will be based on effort and proficiency. Students must have a 35mm camera. Nongraded. Cost for materials in 2004: \$95. *Two credit hours.*

**[114] Pottery** An introduction to forming clay by pinching, making slabs and coils, and wheel throwing; decorating and glazing; and firing in an electric kiln. Historical and theoretical issues will be discussed. Nongraded. Cost for materials in 2004: \$45. *Two credit hours.*

**[115] Advanced Photography** An exploration of the more advanced technical controls available to the black and white photographer: the Zone System, applied photographic chemistry, parametric testing, etc. Students unfamiliar with the terms need not be intimidated. Daily shooting assignments, group and individual critiques, and discussions of aesthetic questions designed to expand students' personal photographic vision. Class meetings, additional assignments, and darkroom work. Required: a working knowledge of basic black and white development and printing techniques and an adjustable 35mm or larger format camera, one with shutter speed and aperture that can be set manually and with either a built-in or hand-held light meter. Nongraded. Estimated cost of materials and membership in the Colby Photography Club for darkroom access: \$165. *Prerequisite:* Permission of the instructor. *Two credit hours.*

**131fs Foundations in Studio Art** A rigorous introduction to the major materials and media of studio art through projects involving design, drawing, and painting. A range of aesthetic possibilities is presented, and the student is encouraged to explore a variety of approaches. Out-of-class work is essential. No prior experience is required. Students who consider continuing in studio art courses are strongly urged to complete Art 131 in their first year at Colby. *Four credit hours.* **A.** ENGMAN, MITCHELL, REED

**[159] Creativity and Communication** The nature of the book as a means of communication and as an art form. Students will learn several formats; each will design and create an original book incorporating both art and text. Nongraded. Studio fee of \$60 will cover cost of necessary materials, which must be special-ordered. *Two credit hours.*

**161f Sculpture I** An introduction to basic sculpture concepts, techniques, and materials. Out-of-class work is essential. *Four credit hours.* **A.** MATTHEWS

**162s Sculpture II** Further exploration of the materials, techniques, and concepts developed in Sculpture I, with the addition of carving in wood and stone. Out-of-class work is essential. *Prerequisite:* Art 161. *Four credit hours.* MATTHEWS

**173f Survey of Asian Art** An introduction to the history of sculpture, painting, and architecture of India, China, and Japan, with emphasis on the distinctive cultural contexts in which the art forms developed. *Four credit hours.* **A, D.** WEITZ

**211f Student Docent Program** Independent research on works in the permanent collection of the Colby College Museum of Art, culminating in a gallery lecture and a short paper. Emphasis on practicing public speaking skills and exploring pedagogical strategies for discussing works of art. Nongraded. *Prerequisite:* Art 112 and permission of the instructor. *One credit hour.* INSTRUCTOR

**212s Student Docent Program** Following research of temporary exhibitions and works on display in the permanent collection of the Colby College Museum of Art, students will offer public tours of the museum. Emphasis on practicing public speaking skills and exploring pedagogical strategies for discussing works of art. Nongraded. *Prerequisite:* Art 112 and permission of the instructor. *One credit hour.* INSTRUCTOR

**221f Drawing I** Fundamentals of drawing and use of graphic materials. Concern for drawing as a means of developing visual and perceptual awareness. Out-of-class work is essential. *Prerequisite:* Art 131. *Four credit hours.* MATTHEWS

**222s Drawing II** Continuation of Drawing I with special concern for drawing the figure. Out-of-class work is essential. *Prerequisite:* Art 221. *Four credit hours.* MATTHEWS

**234fs Printmaking I** Introduction to methods of generating images from printing surfaces. Concentration on relief printmaking. Out-of-class work is essential. *Prerequisite:* Art 131. *Four credit hours.* REED

**235s Printmaking II: Introduction to Intaglio Techniques** Concentration on drypoint, non-acidic tool usage, etching, aquatint, and softground. Out-of-class work is essential. *Prerequisite:* Art 234. *Four credit hours.* REED

**241f Painting I** Oil painting from a variety of traditional and nontraditional sources. The aim is to develop breadth of vocabulary and formal understanding. Out-of-class work is essential. *Prerequisite:* Art 131. *Four credit hours.* ENGMAN

**242s Painting II** Further exploration of the materials, techniques, and ideas developed in Painting I. Out-of-class work is essential. *Prerequisite:* Art 241. *Four credit hours.* ENGMAN

**261f Sculpture III** Further exploration of sculptural techniques and concepts with the optional addition of welded steel as a medium. Out-of-class work is essential. *Prerequisite:* Art 162. *Four credit hours.* MATTHEWS

**262fs Sculpture IV** Further exploration of sculptural techniques and concepts. Out-of-class work is essential. *Prerequisite:* Art 261. *Four credit hours.* MATTHEWS

**271f Modern European and American Architecture** The built environment, both architecture and urbanism, from the late 18th century to the 20th century. Themes include architectural design and aesthetics, the influence of technology on design, and the function of architecture in an industrial society. *Three or four credit hours.* FEELY, SIMON

**273s The Arts of China** A historical introduction to the major art forms of China, from their beginnings in the Neolithic to the modern period. *Four credit hours.* D. WEITZ

**[274] The Arts of Japan** A historical introduction to the major art forms of Japan—painting, sculpture, ceramics, architecture, and prints—from their beginnings to the modern era. *Three or four credit hours.* D.

**[277] American Visual Arts I** American art and culture from the Colonial period through the early 20th century. *Three or four credit hours.*

**281fs Photography I** An introduction to basic concepts, techniques, and materials of photography. Students must provide their own 35mm camera with manual control. *Prerequisite:* Art 131. *Four credit hours.* PEPPE

**[282] Photography II** Further exploration of the materials, techniques, and ideas developed in Photography I, with emphasis on advanced technical controls of black and white photography and the growth of the student's personal photographic vision. *Prerequisite:* Art 281. *Four credit hours.*

**[285] History of Photography** An introduction to the major aesthetic and cultural debates surrounding the medium. Primary focus is on the Anglo-American tradition, with emphasis on skills of visual analysis. *Four credit hours.*



**293j Asian Art Museum Workshop: China in Maine** A museum workshop experience in which students will organize and mount an exhibition on a specified topic in Asian art. Topic for 2005: China in Maine. Students will research the China trade in Maine during the 18th and 19th centuries and develop exhibition plans on this topic. Much of the research will be conducted on field trips to museums and historical societies in Maine. Prerequisite: East Asian Studies 151 or 152 or Art 173. *Three credit hours.* D. WEITZ

**311s Art of the Aegean and Greece** Architecture, sculpture, and painting from the development of the Minoan civilization through the Hellenistic period. *Prerequisite:* Art 111. *Three or four credit hours.* SIMON

**[313] Art of the Early Middle Ages** Painting, sculpture, and architecture from A.D. 315 to 1000, from the Christianization of Rome through the development of Byzantine civilization in the East and through the Ottoman Empire in the West. *Prerequisite:* Art 111. *Three or four credit hours.*

**[314] Art of the High Middle Ages** Romanesque and Gothic painting, sculpture, and architecture in Western Europe, from the re-emergence of monumental stone sculpture through the exuberance of the Gothic cathedral. Influences of monastery, pilgrimage, and court on art from A.D. 1000 to 1400. *Prerequisite:* Art 111. *Three or four credit hours.*

**[331] Art of the Renaissance in Northern Europe** The art of France, Germany, and the Lowlands in the 15th and 16th centuries, with emphasis on the major painters from Van Eyck to Bruegel. *Prerequisite:* Art 111 or 112. *Three or four credit hours.*

**[332] Art of the Renaissance in Italy** The art of the 14th, 15th, and early 16th centuries in Italy, with emphasis on the major architects, sculptors, and painters. *Prerequisite:* Art 111 or 112. *Three or four credit hours.*

**[333] Mannerism and Baroque Art in Southern Europe** Painting, sculpture, and architecture from the late works of Michelangelo in the 16th century through the early 18th century in Italy and Spain. *Prerequisite:* Art 112. *Three or four credit hours.*

**[334] Film and Society** Listed as American Studies 334 (q.v.). *Four credit hours.* U.

**[336] Women in Art** A seminar investigation of issues regarding women as subjects in, and as producers of, art in 19th- and 20th-century Europe and America. *Four credit hours.* D.

**341f Painting III** Further exploration of the materials, techniques, and ideas developed in Painting II. Out-of-class work is essential. *Prerequisite:* Art 221 (may be taken concurrently) or 242. *Four credit hours.* ENGMAN

**342fs Painting IV** Further exploration of the materials, techniques, and ideas developed in Painting III. Out-of-class work is essential. *Prerequisite:* Art 341. *Four credit hours.* ENGMAN

**[351] European Art, 1780-1880** Emphasis on European art of the Neoclassic, Romantic, Realist, and Impressionist movements. *Prerequisite:* Art 112. *Three or four credit hours.*

**352f Modern Art, 1880-1914** History of avant-garde movements from Post-Impressionism through German Expressionism. *Prerequisite:* Art 112. *Three or four credit hours.* MARLAIS

**353s Contemporary Art, 1914 to the Present** History of art from Dada and Surrealism to our own time. Emphasis on issues of art criticism as well as on current practices. *Prerequisite:* Art 112. *Three or four credit hours.* MARLAIS

**361f Sculpture V** Further exploration of sculptural techniques and concepts. Out-of-class work is essential. *Prerequisite:* Art 262. *Four credit hours.* MATTHEWS

**362s Sculpture VI** Further exploration of sculptural techniques and concepts. Out-of-class work is essential. *Prerequisite:* Art 361. *Four credit hours.* MATTHEWS

**[394] Architecture** A seminar investigation into a variety of topics that is designed to question the nature of architecture, the role of the architect, and the analysis of specific buildings. *Prerequisite:* Permission of the instructor. *Four credit hours.*

**441f Painting V** Further exploration of materials, techniques, and ideas developed in Painting IV. Out-of-class work is essential. *Prerequisite:* Art 342. *Four credit hours.* ENGMAN

**442s Painting VI** Further exploration of materials, techniques, and ideas developed in Painting V. Out-of-class work is essential. *Prerequisite:* Art 441. *Four credit hours.* ENGMAN

**461f Sculpture VII** Further exploration of sculptural techniques and ideas. Out-of-class work is essential. *Prerequisite:* Art 362. *Four credit hours.* MATTHEWS

**462s Sculpture VIII** Further exploration of sculptural techniques and ideas. Out-of-class work is essential. *Prerequisite:* Art 461. *Four credit hours.* MATTHEWS

**[475] Seminar in Devotional Art** In the late Middle Ages a revolution took place in art with the development of individual piety and the quest for a direct and personal relationship with God. The forms and functions of works of art meant as devotional tools. Works produced from 1300 to 1600 throughout Europe and in a variety of media—panel painting, sculpture, manuscript illumination, ivory—and their relationship with such devotional exercises as prayer and meditation. *Prerequisite:* Permission of the instructor. *Four credit hours.*

**476f Museum Seminar: Curatorship** An introduction to various aspects of the curatorial profession. Working with the prints of James McNeill Whistler and the art of John Marin in the Colby College Museum of Art, students will practice various methods of research and study theories of display, analysis, and written exposition of art. *Prerequisite:* Some background in art history. *Four credit hours.* CORWIN, MARLAIS, SIMON

**491f, 492s Independent Study** Art History: Individual study of special problems in the history or theory of the visual arts. Studio: Individual upper-level work in studio areas, intended to build upon course work or to explore new areas in studio. Not meant to take the place of existing courses. *Prerequisite:* Art History: Permission of the instructor. Studio: A year of studio course work and permission of the instructor. *One to four credit hours.* FACULTY

**[493] Seminar: Art and Literature** Stories about art and pictures of reading and writing. How do literary texts and works of art—painting, sculpture, architecture, photography—inform, expand, revise, and comment upon one another? Topics include technique: literary paintings and painterly poems; subject: “The Rape of the Lock,” Beardsley’s illustrations, 18th-century landscape design, Jane Austen’s novels; analogy: Picasso’s “Guernica” and Yeats’s “Meditations in Time of Civil War,” Romantic striving in Wordsworth and Turner. *Four credit hours.*

# Astronomy

*In the Department of Physics and Astronomy.*

*Professor Murray Campbell*

## Course Offerings

**151f Stars and Stellar Systems** An introductory survey of modern solar, stellar, galactic, and extragalactic astronomy for students of both science and nonscience backgrounds. Basic astronomical concepts and recent discoveries will be treated from an astrophysical point of view. Lecture; laboratory for fourth credit. *Three or four credit hours.*

N. CAMPBELL

**231s Introduction to Astrophysics** Theoretical topics include celestial mechanics, continuous and line spectra, stellar structure and nucleosynthesis, and stellar evolution. Observational topics include planning observations, acquisition of images with a CCD electronic camera at the Collins Observatory, and fundamentals of astronomical image processing, photometry, and stellar spectroscopy using IPLab in the Mac environment and IRAF in the UNIX environment. Open to all students interested in science who have a working knowledge of calculus. Students must be available Monday through Thursday evenings for telescope observing as weather permits. Lecture and laboratory. *Four credit hours.*

N. CAMPBELL

# Biochemistry

*In the departments of Biology and Chemistry.*

Courses described in this section are cross-listed in "Biology" and "Chemistry." Each department offers a concentration in cell and molecular biology/biochemistry.

## Course Offerings

**367f Biochemistry of the Cell I** Introduction to biochemical processes. Topics include the structure and function of the major classes of biological molecules (amino acids, proteins, lipids, and carbohydrates). Lecture and optional laboratory. *Prerequisite:* Junior or senior standing, Chemistry 242, and either Biology 162 or 164 or 179. *Three or four credit hours.* ST. DUNHAM

**368s Biochemistry of the Cell II** Advanced study of biochemical processes. Topics include the generation and use of metabolic energy, the integrated control of cellular functions, mechanisms of transport, cellular communication, and protein sorting. Lecture and optional laboratory. *Prerequisite:* Biochemistry 367. Biochemistry 367 laboratory prerequisite to Biochemistry 368 laboratory. *Three or four credit hours.* GREENWOOD, MILLARD

**[372] Advanced Cell Biology** Advanced study of major cellular processes, including the mechanisms of transport, sorting of cellular components, motility, cellular communication, and control of the cell cycle. Includes extensive reading from the primary literature. *Prerequisite:* Biochemistry 367. *Four credit hours.*

**378s Molecular Biology** An examination of how organisms maintain and express genetic information. Emphasis on well-characterized model systems in higher plants and

animals. Topics include nuclear and organellar genomes, regulation of gene expression by developmental and environmental stimuli, and production of transgenic organisms. Lecture and laboratory. *Prerequisite:* Biology 279, Chemistry 141, 142. *Four credit hours.*  
JOHNSON

**[394] Topics in Cell and Molecular Biochemistry** Discussion of advanced topics of current interest based on the primary literature. May be repeated for credit. *One credit hour.*

**491f, 492s Independent Study** Individual topics or research in areas where the student has demonstrated the interest and competence necessary for independent work. *Prerequisite:* Permission of the instructor. *One to four credit hours.* FACULTY

## Biology

*Chair,* PROFESSOR W. HERBERT WILSON JR.

*Associate Chair,* PROFESSOR FRANK FEKETE

*Professors F. Russell Cole, David Firmage, Paul Greenwood, Fekete, and Wilson; Associate Professor Russell Johnson; Assistant Professors Raymond Phillips, Catherine Bevier, Judy Stone, Andrea Tilden, Lynn Hannum, and Joshua Kavalier; Visiting Assistant Professor Stacey Lance; Senior Teaching Associates Elizabeth Champlin, Timothy Christensen, and Lindsey Colby; Teaching Associate Scott Guay; Teaching Assistant Daniel Tierney; Research Scientist Bets Brown; Animal Care Technician Austin Segel*

The Department of Biology provides its students with a background in, and an appreciation for, important aspects of classical and modern biology. To provide a broad and comprehensive investigation of the biological sciences, the departmental curriculum emphasizes the study of the biology of plants, animals, and microorganisms at the molecular, cellular, organismal, and population levels of organization. Special facilities include the Perkins Arboretum, the Colby-Marston Bog, an ABI Prism DNA sequencer, a scanning and transmission electron microscope suite, a Becton-Dickinson FACSCalibur flow cytometer, several laboratory microcomputer clusters, a well-equipped GIS laboratory, a radioisotope laboratory, a clean room, two greenhouses, herbarium, numerous environmental chambers, and animal and aquarium rooms. Colby is a member of the Biomedical Research Infrastructure Network, supported by the National Institutes of Health.

Department graduates enroll in all fields of biology and in medical schools, dental schools, and veterinary colleges. Others are employed as research assistants, as teachers, and by private firms and government agencies.

Three optional concentrations are offered in addition to the basic major. The **concentration in environmental science** is designed to provide students with a background to work in the environmental field or to continue on to graduate study in environmental science, in ecology, or in one of the other biological disciplines. In recent years, graduates have enrolled in graduate programs in ecology, marine biology, natural resource management, public policy, and environmental health. Others are employed by federal and state agencies, private and public organizations, and consulting firms.

The **concentration in cell and molecular biology/biochemistry** focuses biology majors on the interdisciplinary field that lies at the interface between biology and chemistry and also prepares students for graduate study or employment in the biomedical fields. Recent graduates have pursued interests in gene therapy, genetic counseling, and biomedical research.

The **concentration in neuroscience** allows students to explore the interdisciplinary field at the interface between biology and psychology. This program prepares students for graduate study or employment in neuroscience or biomedical fields. Recent graduates have pursued research in neurodegenerative diseases, molecular neuroscience and neuroimmunology.



Students interested in teaching are urged to read the "Education" section of the catalogue and to contact a member of the Education Program. Students majoring in biology and preparing for dental, medical, or veterinary schools must take a year of organic chemistry and a year of introductory college physics with laboratory in addition to the courses required for the major; students preparing for graduate study in the biological sciences also should elect these courses. Students are encouraged to take courses at summer laboratories and field stations; with prior approval, such courses may be credited toward the major requirement.

Colby is a member of a consortium sponsoring the Center for Sustainable Development Studies, through which qualified students are provided the opportunity for a semester of study in Costa Rica. Studies combine biology with social and political issues to address sustainable development problems. Colby also maintains affiliate status with the School for Field Studies and with the Semester in Environmental Science at the Marine Biological Laboratory, Woods Hole.

### **General Requirements for all Major Programs**

For all major programs offered by the department, the point scale for retention of the major applies to all courses required for the major and all elected biology courses. Courses required for the major may not be taken satisfactory/unsatisfactory. At least seven biology courses with lecture and laboratory components (including at least one course at the 300 level or above) must be taken for the major. One additional biology course (with or without laboratory) at the 300 level or above or independent study must also be taken. A maximum of four credit hours of independent study or field experience and two credit hours of seminar may be counted toward the major. No more than eight credit hours in a semester or 12 credit hours in total from off-campus programs (except CBB programs) can be counted toward the major programs.

### **Requirements for the Basic Major in Biology**

Thirty-five hours of course work in biology (excluding Advanced Placement credit), including Biology 163, 164, one course with laboratory in plant biology (Biology 211, 214, 235, 237, 252 or 259j), one course with laboratory in evolutionary biology and ecology (Biology 257j, 271, 320 or 358j), one course in organismal biology (Biology 211, 214, 259j, 275, 276, 334, 373 or 375), and one course in cell and molecular biology (Biology 225, 232, 238, 252, 274, 279, 315, or 367). Seniors must enroll in Biology 401 and 402. In addition, Chemistry 141, 142; Mathematics 121 or 161 or equivalent; and one additional mathematics course numbered 122 or higher (excluding seminars).

### **Requirements for the Concentration in Environmental Science**

Thirty-five hours of course work in biology (excluding Advanced Placement credit), including Biology 163, 164, 271, 352, 493, one course with laboratory in plant biology (Biology 211, 214, 235, 237, 252 or 259j), one course with laboratory in organismal biology (Biology 211, 214, 259j, 275, 276, 334, 373 or 375), and one course with laboratory in cell and molecular biology (Biology 225, 232, 238, 252, 274, 279, 315, or 367). Seniors must enroll in Biology 401 and 402. In addition, Chemistry 141, 142; Mathematics 121 or 161 or equivalent, Mathematics 212 or 231; Economics 133, 231; and two courses selected from the following: Biology 257j, 259j, 354, 358j, Chemistry 217, 241, 242, Environmental Studies 118, 212, 233, 319, 336, Geology 131 or 141, Science, Technology, and Society 215, or selected courses from off-campus studies programs. Students are encouraged to take at least one field-oriented program such as a School for Field Studies semester or a similar approved program.

### **Requirements for the Concentration in Cell and Molecular Biology/Biochemistry**

Thirty-five hours of course work in biology (excluding Advanced Placement credit), including Biology 163, 164, 279 (with laboratory), 367 (with laboratory), 368 (with laboratory), 378, one course with laboratory in plant biology (Biology 211, 214, 235, 237, 252, or 259j), one course with laboratory in evolutionary biology and ecology (Biology 257j, 271, 320 or 358j), and one course with laboratory in organismal biology (Biology 211, 214, 259j, 275, 276, 334, 373 or 375). Seniors must enroll in Biology 401 and 402. In addition, Chemistry 141, 142, 241, 242; Mathematics 121 or 161 or equivalent and one

additional mathematics course numbered 122 or higher (excluding seminars); and either Physics 141, 142 or one course with laboratory chosen from Biology 225, 232, 238, 252, 274, 315, Chemistry 331. In addition, each concentrator must complete an independent study project equivalent to two (or preferably three) credit hours. This requirement can be satisfied through independent study, January Program, or a summer research project.

### **Requirements for the Concentration in Neuroscience**

Thirty-five hours of course work in biology (excluding Advanced Placement credit), including Biology 163, 164, 274, one course with laboratory in plant biology (Biology 211, 214, 235, 237, 252, or 259j), one course with laboratory in evolutionary biology and ecology (Biology 257j, 271, 320 or 358j), and one course with laboratory in organismal biology (Biology 211, 214, 259j, 275, 276, 334, 373 or 375). Seniors must enroll in Biology 401 and 402. In addition, Psychology 121, 122; two psychology courses from the following: 232, 233, 234, 235, 254, 259, 272, 372, 374; one seminar course (Biology 474 or Psychology 372). In addition, Chemistry 141, 142; Mathematics 121 or 161 or equivalent and one additional mathematics course numbered 122 or higher (excluding seminars). In addition, each concentrator must complete an independent study project equivalent to two (or preferably three) credit hours. This requirement can be satisfied through independent study, January program, or a summer research project.

### **Honors Program in Biology**

Biology majors with a minimum cumulative grade point average of 3.50 at the end of the January term of the junior year are eligible to apply for the Biology Honors Research Program during spring registration of the junior year. Honors research projects will be a total of seven to nine credits and will be conducted during each semester of the senior year (and may include Jan Plan). Completion of the Honors Program will include a written thesis, an oral presentation at the Colby Undergraduate Research Symposium, and successful completion of an oral examination given by the student's honors committee. Successful completion of the honors program will result in the degree being awarded "With Honors in Biology."

## **Course Offerings**

**[115] Biology of Women** An introduction to the biology of the female throughout her life span. Topics include reproductive anatomy, the menstrual cycle and its hormonal control, aspects of sexual function, contraception, pregnancy, childbirth, lactation, infertility and other gynecological problems, and menopause. Satisfies the non-laboratory science distribution requirement. Cannot be counted toward the biology major. Normally offered in alternate years. *Four credit hours.* **N.**

**131f Biodiversity** An examination of the variety and variability of life on Earth and the natural complex of relationships. Topics include climatology and habitat diversity, taxonomic diversity, evolution and speciation, interrelationships in ecosystems, and biological conservation. Satisfies the laboratory science distribution requirement. Credit may not be obtained for both Biology 131 and Biology 164. Lecture and laboratory. *Four credit hours.* **N.** BEVIER

**[133] Microorganisms and Society** An introduction to the importance of microorganisms to human health and the functioning of planet Earth. The diversity of the microbial world presented with relevant examples of how microorganisms affect our daily lives. Discussions and lectures based on the roles microorganisms and viruses play in disease, the food industry, ecological relationships, and biotechnology. Satisfies the laboratory science distribution requirement. Cannot be counted toward the biology major. Lecture and laboratory. *Four credit hours.* **N.**

**[134] Darwin on Trial** Case studies will be used to examine various lines of evidence supporting the theory of evolution—biogeography, comparative anatomy, molecular

biology, and the fossil record—and ways in which to evaluate the validity of scientific claims in general. Cannot be counted toward the biology major. *Three credit hours.* N.

**163f The Cellular Basis of Life** An examination of cells as the fundamental unit of life. Cellular structure and function of procaryotes and eucaryotes will be emphasized using evolutionary relationships as a framework. Lecture and laboratory. *Four credit hours.* N. F. FEKETE, GREENWOOD, JOHNSON

**164s Evolution and Diversity** An introduction to the theory of evolution and to the diversity of organisms. Topics will include the theory of natural selection, transmission genetics, speciation, and the adaptive radiation of all domains and kingdoms of organisms. Lecture and laboratory. *Prerequisite:* Biology 163. *Four credit hours.* N. WILSON

**211f Taxonomy of Flowering Plants** An introduction to the study of variation, evolution, classification, and nomenclature of biological organisms and the techniques used by systematists in establishing phylogenetic relationships, with particular emphasis on flowering plants. Recognition of major families of flowering plants and identification of specimens represented in the local flora are stressed. Lecture and laboratory. *Prerequisite:* Biology 162 or 164 or 179. *Four credit hours.* PHILLIPS

**214f Plant Physiology** The essential mechanisms of plant function. Topics include plant water relations, mineral nutrition, photosynthesis, respiration, nitrogen fixation, and stress physiology. The importance of these physiological processes to plants in agricultural and natural ecosystems will be considered. Lecture and laboratory. *Prerequisite:* Biology 162 or 164 or 179. *Four credit hours.* JOHNSON

**[216] Biology of Vascular Plants** A study of vascular plants with emphasis on structure, activities, reproduction, and evolutionary relationships of ferns, gymnosperms, and angiosperms. Lecture and laboratory. *Prerequisite:* Biology 162 or 164 or 179. *Four credit hours.*

**[225] Immunology** An introduction to the cellular and molecular components of immune recognition and effector responses against pathogens, with emphasis on the human immune system. Topics will include immune deficiency, allergy, and autoimmunity. Lecture and laboratory. *Prerequisite:* Biology 162 or 164 or 179. *Four credit hours.* N.

**232s Developmental Biology** A study of development, with emphasis on the experimental findings that have led to present ideas of the morphological and chemical processes underlying the development and growth of organisms. Fourth credit hour for laboratory. *Prerequisite:* Biology 162 or 164 or 179. *Three or four credit hours.* KAVALER

**[235] Horticulture** Basic principles in the areas of plant structure and function will be considered and related to plant cultivation. Practical application of these principles discussed in areas such as lighting, propagation, pruning, and floriculture. Offered in alternate years. Fourth credit hour for laboratory. *Prerequisite:* Biology 162 or 164 or 179. *Three or four credit hours.* N.

**[236] Reproductive Biology of Flowering Plants** The flowering process and mechanisms of pollination, with stress on pollinator-plant interactions. Seed and fruit production and dispersal, including animal vectors, and vegetational propagation strategies. Lecture and laboratory. *Four credit hours.* N.

**237f Woody Plants** Introduction to anatomy, physiology, reproduction, and ecology of woody plants. Field trips emphasize identification and ecology; laboratory sessions focus on structure and function. *Prerequisite:* Biology 162 or 164 or 179. *Four credit hours.* N. STONE



**238s Bacteriology** An introduction to pathogenic bacteriology. Mechanisms of bacterial pathogenesis and mammalian responses against infectious agents of disease; development of general knowledge in these areas and practical experience in laboratory techniques. Lecture and laboratory. *Prerequisite:* Biology 162 or 164 or 179. *Four credit hours.* F. FEKETE

**[245] Biology of Race and Gender** The biological basis of race, gender, and sex. Topics include the Human Genome Project and eugenics; reproductive physiology, hormones, and sex determination; brain function and intelligence; and adaptation and human evolution. Cannot be counted toward the biology major. Requires concurrent enrollment in History 245. *Four credit hours.* N, D, I.

**[252] Plant Development** A study of the mechanisms by which plants increase their size and develop different tissues and organs to carry out specific functions. The influence of hormones as well as light and other environmental factors on plant morphogenesis will be considered. Fourth credit hour for laboratory. *Prerequisite:* Biology 162 or 164 or 179. *Three or four credit hours.*

**[254] Marine Invertebrate Zoology** The morphology, functional anatomy, and classification of the invertebrates. An optional weekend trip to the Maine coast. Lecture and laboratory. *Prerequisite:* Biology 162 or 164 or 179. *Four credit hours.* N.

**[257] Winter Ecology** An introduction to the ecological and physiological adaptations of plants and animals to the winter environment in central Maine; an extensive field component. A fee of \$225 will be assessed to cover up-country expenses. *Prerequisite:* Biology 162 or 164 or 179, and permission of the instructor. *Three credit hours.*

**[259] Plants of the Tropics** An intensive field-based study of several Costa Rican ecosystems, including cloud forests, lowland tropical rainforests, dry forests, and agricultural environments, emphasizing the physiology and ecology of plants in both wild and agricultural settings. The importance of plants and agriculture for tropical Latin American cultures and the impacts of human activity on native plant communities will also be addressed. Cost in 2004: \$1,800. *Prerequisite:* Biology 162 or 164 or 179, and permission of the instructor. *Three credit hours.*

**271f Introduction to Ecology** Introduction to ecological principles, structure and function of ecosystems, patterns of distribution, energy flow, nutrient cycling, population dynamics, and adaptations of organisms to their physical environment. Application of these principles to current environmental problems. Field trips to sites representative of local terrestrial, freshwater, and marine ecosystems. Lecture and laboratory. *Prerequisite:* Biology 131 or 162 or 164 or 179. *Four credit hours.* N. COLE, FIRMAGE

**274s Neurobiology** Introduction to the anatomy and physiology of the nervous system from the cellular to the systems level. Topics include the basics of cellular neurophysiology and neuroanatomy, motor and sensory systems, neural networks and mechanisms of patterned neural activity, and mechanisms for learning and memory. Lecture and laboratory. *Prerequisite:* Biology 162 or 164 or 179. *Four credit hours.* TILDEN

**275f Mammalian Physiology** A study of mammalian homeostasis and mechanisms of disease. Topics include endocrinology, neurobiology, osmoregulation, cardiovascular system, respiratory system, metabolism, reproduction, and the physiology of exercise. Lecture and laboratory. Offered in alternate years. *Prerequisite:* Biology 162 or 164 or 179. *Four credit hours.* N. TILDEN



**[276] Comparative Vertebrate Anatomy** Comparative studies of basic vertebrate anatomical systems and their structural, functional, and evolutionary relationships among the major vertebrate groups. Laboratories emphasize comparisons of anatomical structure across different vertebrate species through dissection. Lecture and laboratory. *Prerequisite:* Biology 162 or 164 or 179. *Four credit hours.*

**279fs Genetics** The mechanisms of inheritance, with emphasis on experimental findings. The physical and chemical bases for the behavior of genes, and applications of genetic principles to society. Fourth credit hour for laboratory. *Prerequisite:* Biology 162 or 164 or 179. *Three or four credit hours.* KAVALER

**297f Evolution of Disease** An examination of medicine and disease from an evolutionary perspective. A combination of lectures and discussions will cover current topics such as the evolution of virulence, emerging diseases, why we get sick, why we grow old, antibiotic resistance, the role of evolution in epidemiology, and the evolution of HIV, allergy, asthma, and cancer. Offered Fall 2003, as Biology 297B, "Evolution of Disease." *Prerequisite:* Biology 162 or 164 or 179. *Three credit hours.* N. LANCE

**312f Vertebrate Zoology** A study of the vertebrates with emphasis on natural history, adaptations, functional anatomy, and evolutionary relationships. Species found in New England are emphasized. Lecture and laboratory. *Prerequisite:* Biology 162 or 179. *Four credit hours.* LANCE

**[315] Animal Cells, Tissues, and Organs** Studies of the organization of cells into tissues and organs in animals. Emphasis on the relationship between cellular morphology and tissue and organ function. Laboratories emphasize the microanatomy of mammalian tissues and tissue culture techniques and experimentation. Lecture and laboratory. *Prerequisite:* Biology 162 or 164 or 179. *Four credit hours.* N.

**[319] Conservation Biology** Listed as Environmental Studies 319 (q.v.). *Four credit hours.*

**320s Evolution** An examination of the mechanisms of evolution at single and multiple loci, including natural selection, genetic drift, and inbreeding. Reconstruction of the evolutionary history of both organisms and genes. Applications to human health and conservation biology. Optional fourth credit hour for laboratory includes an independent research component. *Prerequisite:* A 200-level biology course. *Three or four credit hours.* STONE

**[325] Advanced Immunology** Advanced study of immune system features such as innate immunity, lymphocyte activation, self-tolerance, and immunological memory. Emphasis on the human immune system, with comparisons across a range of species. Extensive reading and discussion of the primary literature. Optional fourth credit laboratory. *Prerequisite:* Biology 225. *Three or four credit hours.*

**[334] Ornithology** An introduction to the biology of birds. Topics include evolution and diversity, feeding and flight adaptations, the physiology of migration, communication, mating systems and reproduction, population dynamics, and conservation of threatened species. Field trips to local habitats and several mandatory weekend field trips. Lecture and laboratory. Offered in alternate years. *Prerequisite:* Biology 162 or 164 or 179, and junior standing. *Four credit hours.* N.

**352s Advanced and Applied Ecology** The theoretical aspects of population and community ecology, emphasizing population regulation, demography, trophic relationships, community structure and organization, and succession. Coevolutionary interactions between plants and animals. Relevance of ecological theory to the solution of environmental problems. Lecture and laboratory. *Prerequisite:* Biology 177 or 271. *Four credit hours.* COLE, FIRMAGE

**354f Marine Ecology** A study of the interactions that determine the distribution and abundance of marine organisms. Emphasis will be on North Atlantic communities. One weekend field trip to the coast. Lecture. *Prerequisite:* Junior standing, and Biology 164 or 179. *Three credit hours.* WILSON

**358j Ecological Field Study in Anguilla** Observation and detailed study of selected tropical fauna and flora of the British West Indies. Qualitative and quantitative field investigations will emphasize the ecological relationships in coral reefs, seagrass beds, intertidal communities, and xeric scrub forests. Students will also learn to identify fauna and flora indigenous to the area. Environmental challenges of living on a tropical island will also be investigated. Lectures, films, and discussions of assigned readings during the first week will be followed by a 17-day field trip to Anguilla in the Lesser Antilles. Students will be required to design and complete a short research project in addition to compiling a detailed field notebook. Estimated cost of \$1,980 is expected to include all transportation, including round-trip air fare from Boston, lodging and two meals daily in a West Indian hotel, and local group expenses (van rentals, etc.). Costs are subject to change depending upon course enrollment. Limited scholarship funds are available. *Prerequisite:* Biology 162 or 164 or 179, and permission of the instructors. *Three credit hours.* FACULTY

**367f, 368s Biochemistry of the Cell** Listed as Biochemistry 367, 368 (q.v.). *Four credit hours.* ST. DUNHAM

**[372] Advanced Cell Biology** Listed as Biochemistry 372 (q.v.). *Four credit hours.*

**373f Animal Behavior** An examination of animal behavior from a biological perspective. Topics include the control, development, function, and evolution of behavior. Fourth credit hour for laboratory. *Prerequisite:* Biology 162 or 164 or 179. *Three or four credit hours.* BEVIER

**374f Advanced Neurobiology** In-depth examination of aspects of neurobiology. Topics may include sensory physiology, neuromodulators, biological rhythms, and neuroendocrinology. Extensive review of primary literature. *Prerequisite:* Biology 274. *Three credit hours.* TILDEN

**[375] Comparative Animal Physiology** A comparative study and broad overview of physiological systems and adaptations among animals from morphological, cellular, biochemical, and mechanical perspectives. Laboratory emphasizes an investigative approach to the measurements of physiological processes. Lecture and laboratory. *Prerequisite:* Biology 162 or 164 or 179. *Four credit hours.*

**378s Molecular Biology** Listed as Biochemistry 378 (q.v.). *Four credit hours.* JOHNSON

**[379] Electron Microscopy** Principles and practice of transmission and scanning electron microscopy, including electron optics, imaging, and X-ray microanalysis. The routine operation of both the TEM and SEM are presented and practiced, as are the principles and techniques of sample preparation from living materials. The interpretation and evaluation of electron photomicrographs are emphasized. Students have an opportunity to develop further their techniques and expertise in the area of greatest interest to them.

Lecture and laboratory. *Prerequisite:* Biology 162 or 164 or 179, Chemistry 141, 142, a major in one of the natural sciences, and permission of the instructor. *Four credit hours.*

**392s The Cell Cycle and Cancer** The cell cycle is the fundamental process by which cells reproduce. The process is tightly regulated by the cell, and this regulation has been the focus of intense biomedical research. A study of recent research investigating the cellular mechanisms that control the cell cycle. How cellular propagation is stimulated and controlled and how defects in these systems lead to cancer. An investigation of the complexities of diagnosing, treating, and living with cancer. Lecture only. *Prerequisite:* Junior standing and Biology 162 or 164 or 179, and Chemistry 142. *Three credit hours.* GREENWOOD

**[394] Topics in Cell and Molecular Biochemistry** Listed as Biochemistry 394 (q.v.). *One credit hour.*

**401f, 402s Senior Colloquium** Attendance at selected departmental colloquia during the fall and spring semesters; written evaluations to be submitted. Required of all senior biology majors. *One credit hour for the year.* F. FEKETE

**[433] Evolutionary Genetics** Original research in evolutionary genetics. Students will generate DNA sequences and apply analytical tools to learn about the long-term history of plant populations. Reading and discussion from the primary literature will facilitate the development of analytical approaches. *Prerequisite:* Biology 212, 279, or 320. *Five credit hours.*

**434s Bioinformatics** Development, execution, and presentation of independent research in database manipulation, computational analysis, or visualization of genetic or related biological information. Projects may use existing software or develop new software, depending on student background and interest. At least one all-day field trip required. *Prerequisite:* Biology 279 or 320, and at least one course in computer science. *Three credit hours.* CONGDON, STONE

**451s Applied and Environmental Microbiology** The ecology of microorganisms associated with plants and animals, as well as terrestrial and aquatic microorganisms and their general roles in the environment. Laboratories include both field- and laboratory-based components. Lecture and laboratory. *Prerequisite:* Biology 238. *Five credit hours.* F. FEKETE

**[474] Molecular Neuroscience** Original research on crustacean neuromodulatory receptors. Techniques include receptor binding assays, bioinformatics, and comparative functional genomics. Taught off-campus at the Mount Desert Island Biological Laboratory. Normally offered in alternate years. *Prerequisite:* Biology 274. *Three credit hours.*

**483f, 484js Honors Research in Biology** Research conducted under the guidance of a faculty member and focused on an approved topic leading to the writing of an honors thesis and an oral presentation of the research results. *Prerequisite:* Senior standing as a biology major and permission of the department chair. *One to four credit hours.* FACULTY

**491f, 492s Independent Study** *Prerequisite:* Permission of a faculty sponsor. *One to four credit hours.* FACULTY

**493f Problems in Environmental Science** Causes of and solutions to selected environmental problems studied through lectures, discussions, and guest presentations. A group project is conducted to teach methods used by private firms and governmental agencies to investigate environmental problems. *Prerequisite:* Biology 271 and senior standing as a biology or environmental studies major. *Five credit hours.* COLE, FIRMAGE

# Chemistry

*Chair, PROFESSOR JULIE MILLARD*

*Professors Whitney King, Millard, and Thomas Shattuck; Associate Professor Rebecca Conry; Assistant Professors Shari Dunham, Stephen Dunham, Jeffrey Katz, and Dasan Thamattoor; Senior Teaching Associate Jean McIntyre; Teaching Associate Brenda Fekete; Teaching Assistant Lisa Miller*

Students in the Chemistry Department are provided a firm foundation in the fundamental principles of the discipline. The student major has access to a wide range of instruments for course work and research projects under supervision of a faculty that includes teaching specialists in analytical, environmental, inorganic, organic, physical chemistry, and biochemistry. Many students go on to graduate school in chemistry or biochemistry or to careers in medicine, dentistry, health-related fields, and industrial research. Other career choices in recent years have included patent law, chemical engineering, environmental studies, computer sciences, and molecular biology.

The department offers several programs: (1) the chemistry major, (2) the chemistry-ACS major (*accredited by the American Chemical Society*), (3) the chemistry-biochemistry major, (4) the chemistry major with a concentration in cell and molecular biology/biochemistry, (5) the chemistry-environmental sciences concentration, and (6) the chemistry minor. Of the majors, the ACS major is focused most sharply toward graduate work in chemistry. It should be noted that chemistry majors who intend to apply for admission to medical, dental, or veterinary schools must take a biology course with laboratory. For maximum flexibility, students are encouraged to take Chemistry 141 and 142 in their first year. All prospective majors should meet with the chair of the department as early as possible to plan their full chemistry programs.

Students interested in teaching, private and public, are urged to read the "Education" section of the catalogue and to contact a member of the Education Program.

## **Requirements for the Major in Chemistry**

Chemistry 141, 142, 241, 242, 331, 341, 342, 493, 494; Mathematics 121, 122 or 161, 162; Physics 141 or 143, 142.

## **Requirements for the Major in Chemistry-ACS**

All courses required for the basic major, plus Chemistry 332, 367 (without laboratory), 411, 413, and three additional credit hours selected from 368 or any 400-level course. Up to three credits of senior-level research or independent study may be included in the three credits. Substitution of upper-level courses from other departments in the science division is often possible.

## **Requirements for the Major in Chemistry-Biochemistry**

Chemistry 141, 142, 241, 242, 341, 367 (with laboratory), 368 (with laboratory), 493, 494; Mathematics 121, 122 or 161, 162; Physics 141 or 143, 142; Biology 163; one course from Biology 232, 238, 274, 279 (with laboratory); and one course from Chemistry 331, 342, 378, 411.

## **Requirements for the Major in Chemistry with a Concentration in Cell and Molecular Biology/Biochemistry**

Chemistry 141, 142, 241, 242, 341, 367 (with laboratory), 368 (with laboratory), 378, 493, 494; Biology 163 and 279 (with laboratory); Mathematics 121, 122 or 161, 162; Physics 141 or 143, 142.

## **Requirements for the Concentration in Chemistry-Environmental Sciences**

All courses required for the chemistry major; Chemistry 217 and 481 or 482; Economics 133, 231; Biology 163, 164 or Geology 141, 142.

## **Additional Requirements for All Majors in Chemistry Department**

Each major must complete a chemistry-related independent study project equivalent to two (or preferably three) credit hours. This requirement may be satisfied through independent study, internship, or summer research, and forms the basis of the seminar presentation in Chemistry 494.



The Seminar Program (Chemistry 493, 494) is an opportunity for students to interact with chemists from other schools. All chemistry majors are expected to attend the departmental seminar, and seniors are required to participate.

The point scale for retention of the major applies to all required courses and all elected chemistry courses. No requirement for the major may be taken satisfactory/unsatisfactory.

### **Honors Project in Chemistry**

Majors in chemistry are encouraged to elect an honors research project with approval of a faculty sponsor in the department. Successful completion of the work of the honors research project, and of the major, will enable the student to graduate "With Honors in Chemistry." Attention is also called to the Senior Scholars Program.

### **Requirements for the Minor in Chemistry**

Chemistry 141, 142, 241, and at least 10 credit hours in three courses selected from the following: Chemistry 217, 242, 331, 332, 341, 342, 367, 368 411, 432, 434. Students are strongly advised to consult with a member of the chemistry faculty to select a logical grouping of courses for the minor. Chemistry/Biology 367, 368, and 378 cannot be used to fulfill the requirements for both a major and the chemistry minor.

## **Course Offerings**

**112j Chemistry for Citizens** Basic chemical principles and their application to topics of current concern, such as environmental problems, energy, nuclear reactions, recycling, health, and consumerism. Intended as a course for nonscience majors. Students with prior credit for Chemistry 118 or 141 may not receive credit for Chemistry 112. Lecture only. *Three credit hours.* N. THAMATTOOR

**118j Chemistry of Life** Basic chemical principles applied to the study of living organisms, including such topics as nutrition, disease, drugs, biotechnology, and exercise. Lecture material is integrated whenever possible with the accompanying crime lab. Intended as a course for nonscience majors. Students with prior credit for Chemistry 112 or 141 may not receive credit for Chemistry 118. Lecture and required laboratory; satisfies the laboratory science distribution requirement. *Three credit hours.* N. MILLARD

**141fs General Chemistry** Fundamental principles, with examples selected from inorganic chemistry; stoichiometry; atomic theory; chemical bonding; thermochemistry; gases, liquids, and solids; solutions; chemical equilibria; electrochemistry; chemistry of certain important elements; radioactivity. Lecture, discussion, and laboratory. *Four credit hours.* N. SH. DUNHAM, KATZ, ROWE

**142fs General Chemistry** Fundamental principles, with examples selected from inorganic chemistry; stoichiometry; atomic theory; chemical bonding; thermochemistry; gases, liquids, and solids; solutions; chemical equilibria; electrochemistry; chemistry of certain important elements; radioactivity. Lecture, discussion, and laboratory. *Prerequisite:* Chemistry 141. *Four credit hours.* N. CONRY, MILLARD, ROWE

**[217] Environmental Chemistry** Application of chemical principles to the environment with an emphasis on the interaction among chemical, physical, geological, and biological processes. Current topics such as acid deposition, global warming, atmospheric ozone loss, and the fate and toxicity of heavy metals will be discussed in the context of natural environmental processes. *Prerequisite:* Chemistry 142. *Three credit hours.*

**241fs, 242fs Organic Chemistry** Theories encountered in Chemistry 141 and 142 are used as the basis for a detailed study of the relationships among structure, reactivity, and synthesis of organic compounds. Lecture, discussion, and laboratory. The laboratory explores the use of separation techniques, synthesis, and spectral techniques in organic chemistry. *Prerequisite:* Chemistry 142; Chemistry 241 is prerequisite for 242. *Five credit hours.* KATZ, THAMATTOOR

**255j Nuclear Magnetic Resonance** The theory and practice of one- and two-dimensional NMR. Spectral interpretation, the theory of pulsed techniques, and Fourier transformation will be discussed for solution spectroscopy. Examples include complex organic species and biological macromolecules, including proteins. Laboratory exercises include sample preparation and common two-dimensional experiments, including polarization transfer (INEPT), chemical shift correlation (COSY, HETCOR), and nuclear overhauser effect (NOESY) spectroscopy. Lecture and laboratory. *Prerequisite:* Chemistry 241. *Three credit hours.* SHATTUCK

**331f Chemical Methods of Analysis** A study of fundamentals of analytical chemistry. Lectures devoted to principles underlying chemical analysis; acid/base, redox, and complex equilibria; and quantitative treatment of data. Lecture and laboratory. An optional second laboratory meeting is offered as part of Colby's Service Learning Program for students interested in applying the course content to environmental water quality issues. (Service Learning Program not offered Fall 2004.) *Prerequisite:* Chemistry 142. *Four credit hours.* SHATTUCK

**332s Instrumental Methods of Analysis** Instruction in instrumental methods, including modern electroanalytical methods, absorption spectroscopy, fluorescence, Raman spectroscopy, mass spectrometry, and chromatography. Lecture and laboratory. *Prerequisite:* Chemistry 331. Chemistry 342 is recommended. *Four credit hours.* SH. DUNHAM

**341f, 342s Physical Chemistry** The laws and theories of chemical reactivity and the physical properties of matter. Emphasis is placed on chemical equilibrium, molecular bonding, and the rates of chemical reactions. Major topics in 341: thermodynamics, solutions, and reaction kinetics; in 342: quantum mechanics, spectroscopy, and statistical mechanics. Lecture and laboratory. *Prerequisite:* Chemistry 142, Physics 142, Mathematics 122 or 162. Chemistry 342 may be taken before 341 with permission of the instructor. *Five credit hours.* SHATTUCK

**367f, 368s Biochemistry of the Cell** Listed as Biochemistry 367, 368 (q.v.). *Four credit hours.* ST. DUNHAM

**[372] Advanced Cell Biology** Listed as Biochemistry 372 (q.v.). *Four credit hours.*

**378s Molecular Biology** Listed as Biochemistry 378 (q.v.). *Four credit hours.* JOHNSON

**[394] Topics in Cell and Molecular Biochemistry** Listed as Biochemistry 394 (q.v.). *One credit hour.*

**411f Inorganic Chemistry** Current models and concepts in inorganic chemistry, with emphasis on both structural and reaction aspects. Topics include bonding and structure, periodic properties, acid-base theories, nonaqueous solvents, applications of thermodynamics, coordination compounds, and selected areas of descriptive chemistry of current interest. Lecture only. *Prerequisite:* Chemistry 142 (or 145) and permission of instructor. Chemistry 342 is recommended. *Three credit hours.* INSTRUCTOR

**413f Inorganic Laboratory Studies** Synthesis and characterization of inorganic and organometallic compounds of both the representative and transition elements. Discussion and laboratory. *Corequisite:* Chemistry 411. *Two credit hours.* INSTRUCTOR

**[431] Mechanistic Organic Chemistry** Computational methods for examining organic reaction mechanisms, focusing on the generation and chemistry of important organic reactive intermediates and emphasizing techniques such as laser flash photolysis and matrix isolation spectroscopy. *Three credit hours.*

**432s Advanced Organic Chemistry** The logic and methods of organic synthesis are explored. The elementary organic reactions studied in Chemistry 241, 242 are augmented and used in the synthesis of biologically and chemically important molecules. Lecture only. *Prerequisite:* Chemistry 242 or equivalent. *Three credit hours.* KATZ

**[434] Symmetry and Spectroscopy** Use of principles of symmetry and group theory as an aid in understanding chemical bonding, interpreting molecular vibrational and electronic spectroscopy, and rationalizing symmetry control of reactions. Lecture only. *Prerequisite:* Chemistry 411. *Three credit hours.*

**481f, 482s Special Topics in Environmental Chemistry** Primarily a laboratory course with emphasis on independent studies of environmentally related topics. A paper and oral presentation are required. *Prerequisite:* Chemistry 217 and permission of the department. *One to three credit hours.*

**483f, 484js Honors in Research in Chemistry** Laboratory and library work involving a senior and one or more chemistry faculty members on a clearly defined project that results in an honors thesis. *Prerequisite:* Permission of the department and recommendation of the faculty sponsor. *Two or three credit hours.* FACULTY

**491f, 492s Independent Study** Laboratory work of a research nature may be arranged with the instructor. *One to three credit hours.* FACULTY

**493f, 494s Senior Seminar** Discussion of topics of current interest in all areas of chemistry. Presentations from invited speakers from other colleges, universities, and industries. *One credit hour.* MILLARD

## Chinese

### *In the Department of East Asian Studies.*

*Chair,* ASSOCIATE PROFESSOR KIMBERLY BESIO [CHINESE]

*Associate Professor Besio; Assistant Professor Hong Zhang; Teaching Assistant Fong-Ling (Emily) Chang*

A minor in Chinese is offered for students who have a substantial interest in Chinese language and culture.

#### **Requirements for the Minor in Chinese**

Five language courses of at least three credits each at the level of Chinese 126 or above, and one more course with a substantial literary/cultural component to be chosen from either Chinese 421, 422, or a course on Chinese literature (please see listing under "East Asian Studies") at the 200 level or higher. Students who start taking Chinese from an upper level are expected to take at least four language courses probably including 421, 422, and independent study 491 and 492. *Note: the minor in Chinese is intended for non-East Asian studies majors. East Asian studies majors must declare either a Chinese concentration or a Japanese concentration within the major.*

## Course Offerings

**125f, 126s Elementary Chinese I, II** Introduction to spoken and written Mandarin Chinese, to provide a thorough grounding in all the language skills: speaking, listening, reading, and writing. *Prerequisite:* Chinese 125 is prerequisite to 126. *Five credit hours.* BESIO

**127f, 128s Intermediate Chinese I, II** A continuation of the study of Mandarin Chinese, with greater emphasis on written Chinese. *Prerequisite:* Chinese 126; Chinese 127 is prerequisite to 128. *Four credit hours.* ZHANG

**235fs Chinese Conversation** Practice using basic sentence patterns in conversational situations. Emphasis on oral/aural practice of patterns and phrases related to such daily situations as going to the post office, talking on the telephone, shopping, ordering in a restaurant, etc. Supplemental vocabulary/phrase lists are supplied. *Prerequisite:* Chinese 127. *One credit hour.* CHANG

**321f, 322s Third-Year Chinese** Advanced Chinese language, concentrating on reading, writing, and speaking. *Prerequisite:* Chinese 128; Chinese 321 is prerequisite to 322. *Four credit hours.* BESIO

**421f, 422s Fourth-Year Chinese** Advanced Chinese language, utilizing multiple media from watching TV plays and news coverage, to reading literary works and essays by well-known writers, with a goal of introducing students to various aspects of Chinese culture while enhancing their language competence in listening, reading, speaking, and writing modern Chinese. Focus in 421 is on classical Chinese language and culture, in 422 on broadcast and newspaper reading. *Prerequisite:* Chinese 322; Chinese 421 is prerequisite to 422. *Three credit hours.* ZHANG

**491f, 492s Independent Study** Individual projects in areas where the student has demonstrated the interest and competence necessary for independent work. *Prerequisite:* Permission of the instructor. *Two to four credit hours.* FACULTY

## Classics

*The Classics Department offers courses listed in this catalogue under "Ancient History," "Classics," "Greek," and "Latin."*

*Chair,* PROFESSOR HANNA ROISMAN

*Professors Roisman and Joseph Roisman; Associate Professor Kerill O'Neill; Visiting Instructor Karen Gillum*

The Department of Classics encourages the study of the civilizations of Greece and Rome. The study of classics and classical civilization is an interdisciplinary endeavor based on courses in languages, literature, history, archaeology, philosophy, political science, religion, and art. The pursuit of classics and classical civilization allows the acquiring of a liberal education by examining humanistic values of the ancient world and their impact on the pre-modern and the modern ages. Most students find the study of the classics beneficial in developing methodological and analytical thinking and most advantageous in pursuing careers in higher education, law, management, medicine, government, art, teaching, and other fields.

The department offers majors and minors in classics and classical civilization, as well as majors in classics-English, classical civilization-English, and classical civilization-anthropology.

Students majoring in classics may concentrate in one of the following: Greek literature, Latin literature, a combination of both, or in classical civilization. There is also the opportunity to study in Greece or Italy in programs especially for American students, as well as occasion for experiencing field archaeology through arrangement with other institutions.

### Requirements for the Major in Classics

A student majoring in classics may concentrate in either Greek or Latin: it is recommended, however, that students planning to pursue the study of classics in graduate school study *both* Greek and Latin, electing a schedule of courses approved by the department.



The major consists of at least 10 courses, at least six courses in language including three courses numbered 200 or higher in Greek and/or Latin and four additional courses selected from at least two of the following categories:

- (a) Additional courses in either language.
- (b) Two courses in ancient history.
- (c) Two courses elected from courses in translation offered by the Classics and other departments: Classics 133, 135, 137, 138, 139, 145, 151, 171, 232, 234, 236, 238, 240, 242, 258, 297, 332; Art 311, 312; Philosophy 231, 392; or equivalent courses selected in consultation with the major advisor.

#### **Requirements for the Major in Classical Civilization**

(No knowledge of Latin or Greek is required.)

The major in classical civilization consists of at least 10 courses as follows:

- (a) Three courses selected from the following: Classics 133, 137, 138, 171, 231, 232, 238, 240, 242.
- (b) Ancient History 154, 158.
- (c) One course numbered 300 or higher in classics or ancient history.
- (d) Four additional courses selected from the following: Classics 133, 137, 138, 139, 145, 151, 231, 232, 234, 238, 240, 242; Ancient History 356, 393; Greek 111, 112, 131; Latin 111, 112, 131; Art 311; Government 271; Philosophy 231; or equivalent courses selected in consultation with the major advisor.

#### **Requirements for the Major in Classics-English**

In classics: six semester courses of Greek or Latin, three of which are numbered 200 or higher.

In English: six semester courses approved by the departments.

#### **Requirements for the Major in Classical Civilization-English**

In classics: six semester courses approved by the departments.

In English: six semester courses approved by the departments.

#### **Requirements for the Major in Classical Civilization-Anthropology**

In classics: 133, 154, or 158, a seminar at the 300 or 400 level, and one elective course in consultation with the advisor.

In anthropology: 112, 113, 313, 332, 333, and one elective seminar at the 300 or 400 level.

The point scale for retention of each of the above majors applies to all courses that may be credited toward the major. No requirement for the major may be taken satisfactory/unsatisfactory.

#### **Requirements for the Minor in Classics**

The minor (concentrating in Greek, Latin, or combination of both) consists of six courses: Greek 111, 112, 131, or Latin 111, 112, 131; two courses in Greek or Latin numbered 200 or higher (in the case of a combination of both languages, courses in the other ancient language will be counted towards the requirement, but the minor must include at least one course numbered 200 or higher in either language); one course selected from the following categories:

- (a) Additional course numbered 200 or higher in either language.
  - (b) One course in ancient history.
  - (c) One course numbered 200 or higher in the other ancient language.
  - (d) One course selected from courses in translation offered by the Classics Department.
- The courses are selected in consultation with the advisor.

#### **Requirements for the Minor in Classical Civilization**

(No knowledge of Latin or Greek is required.)

- (a) Classics 133 or 137 or 138.
- (b) One course numbered 200 in translation offered by the Classics Department.
- (c) Ancient History 154 or 158.
- (d) One 300-level course or higher in classics or ancient history. Three additional courses selected from the following: Greek 111, 112, 131; Latin 111, 112, 131; Classics 133, 137, 138, 139, 145, 151, 231, 232, 234, 238, 240, 242; Ancient History 154, 158; Art 311; Government 271; Philosophy 231; or equivalent courses selected in consultation with the advisor of the minor.

The point scale for retention of each of the above minors applies to all courses that may be credited toward the minor. No requirement for a minor may be taken satisfactory/unsatisfactory.

## Course Offerings

**[133] Greek Myth and Literature** A survey of the Greek myths, with emphasis on their content and significance in both ancient and modern society; the creation of myths; and the impact of myths on the evolution of our moral and political concepts. *Three or four credit hours.* L, I.

**[137] Literature of Greece and Rome** An introduction to the literature and thought of ancient Greece and Rome. Readings in translation will include epic and lyric poetry, tragedy and comedy, and historical, political, and philosophical writings. Discussion will include a consideration of the impact of classical literature on Western civilization. *Three or four credit hours.* L.

**[138] Heroes of the World** The Greeks, the Romans, the Irish: peoples around the globe have produced their own unique heroes appropriate to the needs and desires of their particular cultures. Nevertheless, these heroes share a variety of traits and experiences. The similarities and differences of the heroes of Ireland, Greece, Rome, and other cultures; why we crave heroes, and how that craving has shaped us all. *Three or four credit hours.* L, I.

**[139] Athens, Rome, and Jerusalem** The Greek, Roman, and Jewish civilizations came into direct contact and also conflict with each other. How did they first make contact? What impact did they have on one another? What were their views of each other? Were their values, beliefs, and ambitions irreconcilable or amenable to peaceful coexistence? The periods when Greeks, Romans, and Jews fought yet also lived together in peace. Readings in translation include Plutarch, Josephus, and the New Testament. Fulfills historical studies distribution requirement if taken for three credits. *Two or three credit hours.* I.

**145j Between Revolution and Tradition: Julius Caesar and Augustus** How Julius Caesar and Augustus both contributed to the crisis of the Roman Republic and tried to resolve it. Topics include conflicts between republican traditions and a monarchical regime, Caesar's dictatorship, his image, the Ides of March, Augustus's attainment of sole power, his relationship with senators, commoners and slaves, the Roman games, and society and literature in the Augustan age. Fulfills historical studies distribution requirement if taken for three credits. *Two or three credit hours.* H. J. ROISMAN

**151j Anatomy of Bioscientific Terminology** The Greek and Latin word elements that combine to form most of the specialized terms in biological sciences. The student who learns the meanings of these elements and the rules of word formation will usually recognize the basic meaning of any unfamiliar word in this field. Attention also to misformation, common errors, and words still in use that reflect scientific theories since rejected. *Three credit hours.* H. ROISMAN

**[231] Hero's Rage in the *Iliad*** War gives heroes a space to prove their worth. Was war idealized or perceived as a positive experience in the ancients' minds? And what roles were open to women in the *Iliad*? *Three credit hours.* L, D, I.

**234s In Search of a Strong Man: Greece in the Fourth Century** The fourth century B.C.E. was a transition period for the Greeks. They were forced to reassess basic values relevant to their political systems, their ways of life, and their relationship with non-Greeks. They re-examined the role of great individuals in a community that looked at such men with suspicion. The challenges faced by the city-state, the search for a powerful individual as a solution for social and political problems, the phenomenon of mercenaries, and the accomplishments of the kings of Macedonia, Philip II, and Alexander the Great. Open to first-year students. *Three or four credit hours.* H, I. J. ROISMAN

**236s Roman Legends and Literature** Through reading the works of selected Roman authors in translation, an examination of major concepts in mythology: cosmogony, the hero, the interplay of legend and history, etc. Open to first-year students. *Four credit hours.* L. O'NEILL

**[238] Myth in the City: The Tragedies of Aeschylus** The origins of Greek drama. The seven extant tragedies of Aeschylus reveal him as a traditionalist, innovator, and father of Western dramatic theater. Emphasis on moral and political dilemmas such as portrayed in *The Oresteia* and *Prometheus Bound*. *Four credit hours.* L, I.

**240f The Tragic Hero: The Drama of Sophocles** Aristotle considered Sophocles the most sublime of the great Greek tragedians. The Sophoclean heroes are self-destructive by nature, beset by doubts, constrained by fate, and hobbled by an ambiguous code of honor. Their motives reveal human fragility behind the heroic facade. Among other tragedies, readings include *Oedipus the King*, *Antigone*, *Ajax*, and *Electra*. *Three credit hours.* L, I. H. ROISMAN

**[242] Tragedies of Passion: Euripides** Euripides's tragedies show the effects of passion and reason on human actions. His characters are not only ambiguous about their choices but often act contrary to their professed intentions. Reading from a selection of plays, such as *Medea*, *Hippolytus*, *Bacchae*, *Alceste*, *Helen*, *Trojan Women*, *Hecuba*, and *Electra* as well as secondary literature on Greek tragedy. *Three credit hours.* L, I.

**[356] Alexander the Great** Alexander in Europe and Asia; his relations with Greeks and non-Greeks, his military conquests, his divinity, and the creation of the Hellenistic states. Enrollment limited. *Four credit hours.* H.

**491f, 492s Independent Study** Individual projects in areas where the student has demonstrated the interest and competence necessary for independent work. *Prerequisite:* Permission of the instructor. *One to four credit hours.* FACULTY

## Computer Science

*Chair,* PROFESSOR DALE SKRIEN

*Professor Skrien; Assistant Professors Clare Bates Congdon, Randolph Jones, and Marc Smith; Visiting Assistant Professor Daniel Bilar*

The department offers a major and a minor in computer science. The computer science major can be taken with honors.

Colby computer science majors in recent years have entered graduate school to do advanced work. They also have used the major as a solid foundation for careers in the computer industry.

### Requirements for the Major in Computer Science

Computer Science 151, 231, 232, 258, 333, 352 or 319 or 328, 356 or 357 or 336, 375 or 378; two courses chosen from Mathematics 121 or 131 or 161, 122 or 162, 231, 253, 274, 332; and three three- or four-credit computer science courses numbered 300 or above.

### Requirements for the Honors Program in Computer Science

An honors program is available for students majoring in computer science who have a grade point average of at least 3.25 in all computer science courses numbered 200 or higher and who complete an additional, year-long, pre-approved program of independent study in the major (Computer Science 484) culminating in both a written paper and a colloquium presentation. Students who successfully complete the requirements and who receive recommendation of the department will graduate "With Honors in Computer Science."

### Requirements for the Minor in Computer Science

Six courses, including Computer Science 151, 231, 232 or 333, and three additional three- or four-credit computer science courses numbered 300 or above. One of the three additional computer science courses may be replaced with one course chosen from Computer Science 111, 113, Mathematics 253, 274, 332, or Philosophy 158.



The point scale for retention of the major/minor applies to all courses in the major/minor. No requirement for the major/minor may be taken satisfactory/unsatisfactory.

## Course Offerings

**111f Weaving the Web** A gentle introduction to computer science, focusing on the Internet. Students are introduced to Web design, HTML authoring, and JavaScript programming; topics include social, ethical, and technical issues related to being an Internet and computer user. A weekly laboratory session provides hands-on experience. No previous experience with computers is required. Not open to students who have taken higher-numbered computer science courses. *Four credit hours.* Q. CONGDON

**[113] Great Ideas in Computer Science** An introduction to computer science that provides an overview of the important ideas in the field. Topics may include history, programming, human-computer interaction, hardware, theory of computation, artificial intelligence, and social issues. A weekly laboratory session provides hands-on computer experience. No previous computer experience required. Not open to students who have taken higher-numbered computer science courses. *Four credit hours.* Q.

**151fs Structured Programming and Elementary Algorithms** Problem solving and programming in the high-level language Java. Topics include object-oriented design, algorithm development, control structures, recursion, data structures, and their implementation. A weekly laboratory session provides hands-on computer experience. No previous computer experience required. *Four credit hours.* Q. BILAR

**231fs Data Structures and Algorithms** Using Java, an introduction to the primary data structures and the algorithms that operate on them. Data structures to be studied include arrays, graphs, trees, stacks, and queues. The algorithms include searching, sorting, insertion, deletion, and traversal. *Prerequisite:* A grade of C- or higher in Computer Science 151. *Four credit hours.* JONES, SKRIEN

**232f Computer Organization** An introduction to computer organization: memory, processors, input/output, virtual machines, and assembly language. *Prerequisite:* Computer Science 151. *Four credit hours.* SKRIEN

**[258] Discrete Structures** Problem solving and analysis techniques using discrete mathematical structures from a computer science perspective. Topics include functions, relations, and sets; basic logic; proof techniques; basics of counting; graphs and trees; discrete probability. *Prerequisite:* Computer Science 231. *Four credit hours.*

**319f Cognitive Modeling** A multidisciplinary approach to the study of intelligence and the mind, bringing together the fields of psychology, computer science, philosophy, education, linguistics, anthropology, neuroscience, and logic, among others. Cognitive science derives its strength from a view of the mind as an information system, including processes that implement perception, memory, reasoning, language, learning, and consciousness. *Prerequisite:* One of the following: Computer Science 231, Psychology 122, Anthropology 113, Biology 274, or one course in logic. *Four credit hours.* JONES

**328f Machine Learning and Data Mining** A study of computer programs that are able to improve their performance with experience. Topics may include a variety of machine learning approaches, from those that induce patterns in data (called classification or data mining) to those that attempt to model human learning abilities; an emphasis is placed on machine learning as an experimental science. *Prerequisite:* Computer Science 231 and junior/senior standing or permission of the instructor. *Four credit hours.* CONGDON



**333s Programming Languages** A survey of programming languages and programming language paradigms, including the history, design, and formal definitions of different languages. Includes study of imperative (e.g., C, Pascal, Ada, Fortran), logic (e.g., Prolog), functional (e.g., ML, Lisp, Scheme), and object-oriented (e.g., Java, Smalltalk, CLOS, C++, Eiffel) programming languages. Languages are compared to see how well they achieve the goals of solving various types of problems in an efficient and readable manner. *Prerequisite:* Computer Science 231. *Four credit hours.* SKRIEN

**[336] Parallel and Distributed Processing** Parallel and distributed paradigms, architectures, and algorithms, and the analytical tools, environments, and languages needed to support these paradigms. *Prerequisite:* Computer Science 231 and 232. *Four credit hours.*

**[352] User-Centered Design** A theoretical and practical examination of designing useful and user-friendly computer systems. Techniques for assessing the need for technology, specifying the system design, involving users in the design process, and acknowledging human error are explored, as are the ethical implications of technological choices. Design methods include mock-ups, rapid prototyping, field testing, and formative evaluation. Project management, teamwork, and communication skills are also emphasized. *Prerequisite:* Computer Science 231. *Four credit hours.*

**[356] Introduction to Compiler Construction** Introduction to the theory, basic techniques, and design of compilers and interpreters of general purpose programming languages; grammars, symbol tables, lexical analysis, semantic analysis, code generation, and optimization. Offered in alternate years. *Prerequisite:* Computer Science 231 and 232. *Four credit hours.*

**[357] Operating Systems** An introduction to systems programming concepts with an emphasis on timeshare systems and networking. Topics may include storage and memory management, scheduling, I/O, communication, and security. Offered in alternate years. *Prerequisite:* Computer Science 231 and 232. *Four credit hours.*

**361s Object-Oriented Design** Object-oriented design techniques for producing modular, extensible software, focusing on learning good programming style, object-oriented design principles, and design patterns. Students will examine case studies of moderately large programs and tools such as CRC cards and UML. A significant programming component. *Prerequisite:* Computer Science 231. *Four credit hours.* SKRIEN

**[369] Design and Implementation of Computer Games** Hands-on study, design, and development of computer games, using the perspectives of technology, science, and art. Designing good computer games requires knowledge of appropriate technologies, multiple topics in computer science, art and design principles, and the social context in which computer games exist. Individual projects will be followed by a group project charged with the design and implementation of a complete computer game, emphasizing programming skill, design principles, and the use of existing tools. *Prerequisite:* Computer Science 231. *Four credit hours.*

**375f Analysis of Algorithms** Analysis of the space and time efficiency of algorithms. Graph, genetic, parallel, and mathematical algorithms as well as algorithms used in cryptology may be explored. Offered in alternate years. *Prerequisite:* Computer Science 231. *Four credit hours.* BILAR

**[378] Introduction to the Theory of Computation** Formal languages, automata theory, computability, recursive function theory, complexity classes, undecidability. Offered in alternate years. Also listed as Mathematics 378. *Prerequisite:* Mathematics 274 or Computer Science 231 and either Mathematics 122 or 162. *Four credit hours.*

**[393] Computer Science Reading Seminar** A wide-ranging seminar in computer science on topics of interest organized and participated in by both students and faculty. The format typically entails discussions based on readings from current literature in computer science selected by the seminar participants. Intended to acquaint students with current research and issues in various fields of computer science. Nongraded. May be repeated for credit. *Prerequisite:* Permission of instructor. *One credit hour.*

**398s Network Security** An introduction to networked systems' exploits and defenses. Vulnerabilities, attack modes, as well as a survey of defensive measures and best practices will be discussed. A final project may involve programming. *Prerequisite:* Computer Science 231 and junior or senior standing. *Four credit hours.* BILAR

**434s Bioinformatics** Development, execution, and presentation of independent research in database manipulation, computational analysis, or visualization of genetic or related biological information. Projects may use existing software or develop new software, depending on student background and interest. At least one all-day field trip required. *Prerequisite:* Computer Science 328 and Biology 162, 179, or 320. *Three credit hours.* CONGDON, STONE

**484s Honors Independent Study** The independent study component of the honors program in computer science. Cannot be counted toward the major or minor. *Prerequisite:* Permission of the instructor and admission to the honors program. *Three or four credit hours.* FACULTY

**491f, 492s Independent Study** Independent study in an area of computer science of particular interest to the student. *Prerequisite:* Permission of the instructor. *One to four credit hours.* FACULTY

## Creative Writing

*In the Department of English.*

*Director,* PROFESSOR DEBRA SPARK

*ADVISORY COMMITTEE:* Professors Jennifer Boylan, Peter Harris, Susan Kenney, and Spark; Associate Professors Michael Burke and Natalie Harris; Assistant Professor Adrian Blevins

Students majoring in any department may elect a minor in creative writing. The minor is designed to enhance existing major programs, to add structure and a sense of purpose to those students already committed to creative writing, and to encourage the consideration of serious graduate programs in writing.

### Requirements for the Minor in Creative Writing

Three American or English literature courses at the 300 or 400 level; a sequence of two workshops in fiction (English 278 and 378), poetry (English 279 and 379), or (when available) creative nonfiction (two courses selected from English 380, 382, 385B, 385D); two additional creative writing courses at the 200 level or above.

Students are encouraged to take at least one class in a genre other than their sequence genre. English 378 and 379 may be repeated for credit if taken with a different instructor. Students should note that creative nonfiction classes are not offered as frequently as fiction and poetry classes.

Literature courses should be chosen in consultation with the minor advisor. For example, a fiction writer might take the American Short Story, the Modern American Novel, the 18th Century I, Victorian Literature, African-American Literature, or Contemporary Fiction; a poetry writer might elect Chaucer, The Romantics, the 17th Century, or Modern American Poetry.

First priority for admission to English 278 and 279 is given to sophomores. Admission to advanced writing courses is by manuscript submission only.

No requirement for the minor may be taken satisfactory/unsatisfactory.

A **creative writing concentration** within and in addition to the English major is offered as another option in development of skills in creative writing. The requirements for the concentration are specified in the "English" section of this catalogue.

## East Asian Studies

*Language courses offered by the department are listed separately under "Chinese" and "Japanese."*

*Chair*, PROFESSOR KIMBERLY BESIO [CHINESE]

*Professors Tamae Prindle (Japanese) and Nikky Singh (Religious Studies); Associate Professors Besio (Chinese) and Steven Nuss (Music); Assistant Professors Philip Brown (Asian Economy), Peter Ditmanson (East Asian History), Walter Hatch (Government), Randle Keller Kimbrough (Japanese), Ankeney Weitz (East Asian Art), and Hong Zhang (Chinese); Teaching Assistants Fong-Ling (Emily) Chang (Chinese); Naomi Miyake (Japanese)*

The East Asian studies major contributes a new dimension to the traditional liberal arts curriculum by exposing the student to rich cultures outside the scope of Western civilization. Study abroad during the junior year is strongly encouraged.

### Requirements for the Major in East Asian Studies

One introductory comparative course (East Asian Studies 151 or 152 or Art 173); a language and literature concentration consisting of three language courses beyond the all-college requirement (normally Japanese or Chinese 128, 321, and 322) and one literature course in the country of the language concentration; and an additional six courses chosen from those approved for the East Asian studies major. These six courses must conform to the following distribution: one 200-level art, religion, music, or history course; one 200-level government, anthropology, economics, or sociology course; one 300-level course; one 400-level senior project or seminar; and two additional electives. Of these six courses a minimum of three must focus on the country of the language concentration; a minimum of two must focus on either the East Asia region as a whole or on an East Asian country different from that of the language concentration. Fourth-year language courses (421 and 422) or one East Asian language course outside the language concentration may substitute for one or both of the elective courses. Students who start taking a Chinese or Japanese course from an upper level are expected to take at least four language courses probably including 421, 422, and independent study 491 and 492.

The point scale for retention of the major applies to all courses offered toward the major. No requirement for the major may be taken satisfactory/unsatisfactory. To achieve distinction in the East Asian studies major, the student will have to achieve a 3.5 grade point average in the courses listed for the major and will have to take two additional language courses beyond those required for the major. These courses may be a continuation of the language of concentration at the 322 level or above, or they may be introductory courses in a second Asian language.

### Honors in East Asian Studies

An honors program is available for senior majors who have earned a 3.25 major average. Normally application to the program must be submitted prior to the senior year. Some aspect of the culture of East Asia must be studied as the honors project in East Asian Studies 483 and 484.

Attention is called to the minor in Chinese and the minor in Japanese. Requirements for these minors are listed under "Chinese" and "Japanese."

### Requirements for the Minor in East Asian Studies

The East Asian studies minor consists of seven courses: one introductory comparative course (East Asian studies 151 or 152 or Art 173); three language courses in either Chinese



or Japanese; three non-language courses, one *at* the 200 level, one *at or above* the 200 level, and the third at the 300 level or above. Courses may be selected from offerings in anthropology, art, economics, government, history, literature, music, and religion courses on East Asia. With the exception of one introductory comparative course, no content course at the 100 level will count toward the minor.

*For the Class of 2007 and beyond:* One more language course of the student's field of concentration (normally Chinese or Japanese 128) must be taken in addition to the courses listed above.

### **Courses Offered in 2004-2005 and Approved for the Major in East Asian Studies**

<i>Art</i>	173 Introduction to Asian Art 273 The Arts of China 293 Asian Museum Workshop: "China in Maine"
<i>Anthropology</i>	397 Asia Pacific Modernities
<i>Chinese</i>	All courses offered
<i>East Asian Studies</i>	All courses offered
<i>Economics</i>	292 Economic Transition in China 294 Economic Policy and Performance in East Asia 474 Seminar in Economic Demography
<i>Government</i>	261 Japanese Politics 338 Politics of Chinese Cinema
<i>History</i>	254 The World of Ming China 256 Heian and Medieval Japan 454 Culture and Change in 17 <sup>th</sup> -Century China
<i>Japanese</i>	All courses offered

## **Course Offerings**

**151f Introduction to East Asia from Ancient Times to the 17th Century** A survey of the civilizations of East Asia from ancient times to the 17th century, examining comparative cultural and social transformations in the history of China, Japan, and Korea. Topics include the religious and philosophical foundations of Confucianism, Daoism, Buddhism, and Shinto; the development of imperial models and conceptions of authority; the evolution of aristocratic and popular cultures; and the development of elite scholarly and military classes. *Four credit hours.* **H, D, I.** DITMANSON

**152s Introduction to East Asia from the 18th Century to Modern Times** A survey of the civilizations of East Asia from the 18th century to the present, exploring the dimensions of modernity and its impact on the cultures and societies of China, Japan, and Korea, beginning with the empires of Qing China, Tokugawa Japan, and Chosen Korea and examining the processes of transformation that led to the rise of the modern nation-states of East Asia. Topics include the evolution of social structures, belief systems, and political and ethnic identity. *Four credit hours.* **H, D, I.** DITMANSON

**173f Survey of Asian Art** Listed as Art 173 (q.v.). *Four credit hours.* **A, D.** WEITZ

**[231] The Chinese Novel: Vignettes of Life in Imperial China** A critical examination of the development of classical Chinese literature of various genres such as poetry, popular songs, philosophical discourse, historical narrative, prose, fiction, tales of the supernatural and the fantastic, romance, and drama. All readings are in English translation. *Four credit hours.* **L, D.**

**232f Male Friendship in Chinese Literature** A survey of pre-modern Chinese literature through the prism of male friendship. Friendship, particularly among men, was a theme that resonated powerfully in traditional Chinese literature, perhaps because it was the only one of the five Confucian relationships that was not innately hierarchical. The course



examines a variety of literary works, including historical and philosophical prose, poetry, drama, and fiction, on friendship and famous friends. Among issues explored are the search for a "soul mate," the primacy of male friendships over romantic and domestic ties, and changing constructions of masculinity. All works are in English translation; knowledge of Chinese not required. *Four credit hours.* L, D. BESIO

**234s Pioneering the Modern: The Literature of Edo and Meiji Japan** Themes of modernity and the modern in selected works of late 17th- through early 20th-century Japanese literature. From tales of love and money in the urban fiction of the 1680s, to the identity struggles of students, samurai, intellectuals, and entrepreneurs in the tumultuous 1880s, 1890s, and 1900s, this course explores the shifting notions of self, society, modernity, and morality in the Tokugawa and Meiji periods. Conducted in English; no knowledge of Japanese required. *Four credit hours.* L, D, I. KIMBROUGH

**[252] Hell on Earth? Chinese Writers on Modern Chinese Society** Are we living in a hell on earth? This question has consistently plagued modern and contemporary Chinese writers when contemplating their society. An examination of how Chinese writers have used literature to address the various political and social crises their country has faced during the last 80 years. Topics will include changing assessments of traditional China's cultural legacy, China's response to modernity (often represented by the West), revolution and resistance in rural China, Taiwan, the Cultural Revolution, and the status of women in modern and contemporary Chinese society. Readings will include short stories, a novel, essays, poetry, drama, and film, all in English translation; no previous knowledge of Chinese language, culture, or history required. *Four credit hours.* L, D, I.

**[253] The World of Thought in Ancient China** Listed as History 253 (q.v.). *Three credit hours.* H, D.

**254f Contemporary Chinese Society: An Anthropological Account** An exploration of cultural, historical, and social elements that were China in the past and their transformation in the present, with a focus on the impact of China's socialist revolution upon both rural and urban family and social life and the new directions China has taken since the economic reforms of the 1980s. *Four credit hours.* S, D, I. ZHANG

**[271] Women in Japanese Cinema and Literature** The course approaches Japanese culture multi-dimensionally, examining Japanese women's identity politics in literature and films through both Western and Japanese feminist theories. Films and literature cover the historical periods from the 12th through 20th centuries. No prior knowledge of Japanese language, culture, or feminist ideology required. *Four credit hours.* L, D, I.

**272j Love and Death in the Literature of Pre-modern Japan** Themes of love and death in various works of Heian, medieval, and early modern (10th-18th centuries) Japanese literature, including Murasaki Shikibu's *Tale of Genji*, Sei Shōnagon's *Pillow Book*, the Buddhist-influenced *Tale of the Heike*, Ihara Sailaku's *Life of an Amorous Woman*, and the love-suicide plays of Chikamatsu Monzaemon. Stories of love and loyalty, elegance and insecurity, seduction, rape, murder, and betrayal; issues of translation, power, gender, and sexuality. *Three credit hours.* L, D, I. INSTRUCTOR

**[273] The Arts of China** Listed as Art 273 (q.v.). *Three or four credit hours.* D.

**[274] The Arts of Japan** Listed as Art 274 (q.v.). *Three or four credit hours.* D.

**[275] Music and Art in Japanese Culture** Listed as Music 275 (q.v.). *Four credit hours.* A, D.

**276s Zen and the Arts in Asia** An examination of the Zen Buddhist aesthetic in the traditional arts of China, Japan, and Korea. Art forms studied will include: painting,

calligraphy, sculpture, tea ceremony, gardening, flower arranging, Noh drama, poetry, archery, and architecture. *Four credit hours.* **A, D, I.** WEITZ

**[332] Masterpieces: Modern Japanese Novels** An appreciation and examination of masterpiece novels by 10 luminous Japanese writers, including two Nobel Prize laureates. The course will examine the ideas, feelings, and values expressed in and through these novels. No knowledge of Japanese required. *Three or four credit hours.* **L, D, I.**

**[351] Imaging Chinese Women: Ideas and Ideals in China** An examination of woman as trope in Chinese literature over the last two millennia. How “woman” became a cultural construct and how that construct has defined gender role and femininity; how women were portrayed in male-written texts and how women perceived themselves in female-written texts. Knowledge of Chinese language not required. *Three or four credit hours.* **L, D, I.**

**374f Afterlife: East Asian Ideas About the Hereafter** An examination of East Asian concepts of life after death. *Prerequisite:* One of the following: Art 173, 273, or 274 or East Asian Studies 150. *Four credit hours.* **H, I.** WEITZ

**[431] Collecting the Past in China and Japan** East Asian concepts of the past are intimately related to the practice of collecting things—from landscape paintings to miraculous tales, from ancient bronzes to rare books. A seminar exploring the cultural and social phenomenon of collecting by asking questions such as: Why is the past so important in East Asia? What role does the collector play in forming ideas about the past? Does authenticity really matter? Can the past be commodified? Why is collecting configured as an anxiety-ridden and obsessive occupation? *Prerequisite:* Art 173, 273, or 274. *Four credit hours.* **D.**

**483f, 484s Honors Project** An interdisciplinary analysis of an aspect of East Asian culture employing diverse sources and methods. Independent study, extensive readings, consultations, and a thesis. Successful completion of the honors project and of the major will result in the degree being awarded “With Honors in East Asian Studies.” *Prerequisite:* Senior standing, a 3.25 major average, and permission of a faculty mentor. *Three or four credit hours.* **FACULTY**

**491f, 492s Independent Study** Individual study of special problems in East Asian civilization, offered in the departments that participate in the program. *Prerequisite:* Permission of the instructor. *One to four credit hours.* **FACULTY**

## Economics

*Chair,* PROFESSOR PATRICE FRANKO

*Professors Debra Barbezat, David Findlay, Franko, James Meehan, Randy Nelson, Clifford Reid, and Thomas Tietenberg; Associate Professor Michael Donihue; Assistant Professors Philip Brown, Jason Long, and Kashif Mansori; Visiting Assistant Professor Salvatore Di Falco*

In addition to dealing with the study of market behavior, consumers, inflation, unemployment, and international trade and development, economic tools find increasing use in other social sciences; the skills of the economist are central to the study of gender and racial discrimination, poverty, energy, technology, international relations, government behavior, the environment, economic growth, crime, and other issues of public and private life. The Economics Department provides a wide selection of courses that analyze problems arising in these areas. The major provides an undergraduate with an excellent background for employment and graduate work in numerous fields, including economics, business, law, government, and education.

### **Requirements for the Major in Economics**

Economics 133, 134, 223\*, 224\*, and 345\*\*; Mathematics 121 or 161, or equivalent; either Mathematics 231 or the two-course sequence Mathematics 381, 382; one economics senior seminar; three additional courses (totaling at least nine credit hours) in economics, at least two of which must be numbered 300 or above (at least one of the 300-level courses must be taken at Colby). Although potential majors are strongly encouraged to take Economics 133 and 134 in their first year, completion of the major is possible if begun during the second year.

### **Requirements for the Major in Economics with a Concentration in Financial Markets**

Economics 133, 134, 223\*, 224\*, 345\*\*, and 393; one economics senior seminar; one additional economics course chosen from Economics 277, 338, or 373; two additional elective economics courses, at least one of which must be at the 300 level if Economics 277 is elected; Administrative Science 221, 311, and 322; Mathematics 121 or 161, or equivalent; either Mathematics 231 or the two-course sequence Mathematics 381, 382.

### **Requirements for the Major in Economics with a Concentration in International Economics**

Economics 133, 134, 223\*, 224\*, 278, 345\*\*, 373; one economics senior seminar; three additional economics courses chosen from Economics 214, 277, 292, 294, 333, and 335; one additional 300-level economics course (any subject); Mathematics 121 or 161, or equivalent; either Mathematics 231 or the two-course sequence Mathematics 381, 382.

### **Requirements for the Major in Economics with a Concentration in Public Policy**

Economics 133, 134, 223\*, 224\*, 345\*\*, 393; one economics senior seminar; two economics courses chosen from Economics 312, 331, 332, 338, 351, 355, and 379; three additional economics courses (any subject, any level); Mathematics 121 or 161, or equivalent; either Mathematics 231 or the two-course sequence Mathematics 381, 382.

### **Requirements for the Major in Economics-Mathematics**

Economics 133, 134, 223\*, 224\*, 336, 345\*\*, and 393; one economics senior seminar; one additional 300-level economics course; Mathematics 122 or 162; Mathematics 231, 253, 311, and one additional 300-level mathematics course. The Mathematics 381, 382 sequence may be substituted for Mathematics 231 and the additional 300-level mathematics course. Students majoring in economics-mathematics may select a concentration in financial markets, international economics, or public policy by fulfilling the requirements for the concentration in addition to the requirements for the major in economics-mathematics.

*\*Note:* To continue in the major, students must receive a grade of C- or better in Economics 223 and 224. Both economic theory courses (223, 224) must be taken at Colby. Any student who has tried and failed to satisfy an intermediate theory requirement at Colby (i.e., received a grade of D+ or below for the major or F for the minor) may elect to take the same course elsewhere by securing the approval of the department chair on the standard credit transfer approval form. For other students seeking to fulfill the intermediate theory requirement with a course taken elsewhere, approval for the standard credit transfer form can be secured only by petitioning the Economics Department and having the petition approved by majority vote of the Economics Department faculty.

*\*\*Note:* Majors must complete Economics 345 in either their junior or senior year, submitting an application through the registrar's Web page by May 1<sup>st</sup> of the junior year. A faculty sponsor must approve the topic and the proposed enrollment in Economics 345 for credit to be granted.

Students who wish to do graduate work in economics are urged to elect Economics 336 and 393 and additional courses in mathematics, especially Mathematics 253, 311, 338, 381, and 382.

The point scale for retention of the major applies to all courses offered toward the major. No requirement for the major may be taken satisfactory/unsatisfactory.

### **Senior Thesis and Honors in Economics and Economics-Mathematics**

Students wishing to further their research in economics may apply to the department to enroll



in Economics 481. This application, which must be made by May 1<sup>st</sup> of the junior year, is an acceptable substitute for Economics 345. Students continuing in the subsequent semester enroll in Economics 482 or 484. Those completing the latter course with at least an A-, and who have maintained a major average of at least 3.50, are entitled to graduate with honors in the major. Further details can be obtained from the department.

### **Requirements for the Minor in Economics**

Economics 133, 134, 223, 224, and two elective courses in economics totaling at least six credit hours, of which at least three credit hours must be numbered 300 or above. Independent studies cannot be used to fulfill the 300-level or above course requirement. No requirement for the minor may be taken satisfactory/unsatisfactory.

## **Course Offerings**

**133fs Principles of Microeconomics** Principles of microeconomics and their applications to price determination, industrial structure, environmental protection, poverty and discrimination, international trade, and public policy. *Four credit hours.* **S.** FACULTY

**134fs Principles of Macroeconomics** Principles of macroeconomics and their applications: national product and income accounting, monetary and fiscal policy, inflation, international finance, unemployment, and growth. *Four credit hours.* **S.** FINDLAY, LONG, MANSORI

**214f Economic Policy and Performance in Contemporary Latin America** Analysis of macroeconomic stabilization policies and microeconomic issues such as regional trade, agriculture, health, education, the environment, and labor markets in contemporary Latin America. *Prerequisite:* Economics 133 and 134. *Four credit hours.* **D, I.** FRANKO

**[218] Seminar on the Economics of Technical Change** An introduction to the nature of technological change and innovation as it bears on economic structure and growth. Examines technical change in both its theoretical and historical context. *Prerequisite:* Economics 133, 134. *Two credit hours.*

**[219] A Statistical Abstract for Central Maine** Basic methods of data analysis, database construction, and the use of Geographic Information Systems. Students will participate in the design and creation of a statistical abstract for the Greater Waterville Area, an online resource for policy makers and community development professionals. A policy issue of regional interest will be analyzed in depth and included with the abstract. *Prerequisite:* Economics 133 or 134. *Three credit hours.*

**[222] Health Economics** The application of economic analysis to health care. Distinctive features of health care markets are analyzed using economic models of uncertainty and incomplete information. Topics include the supply and distribution of medical personnel, the financing of health care, sources of rising costs, and alternative organizational forms for the delivery of medical care, including health care systems in other countries. Discussion of the economic basis for health care reform and governmental intervention in the health care sector. *Prerequisite:* Economics 133. *Two credit hours.*

**223fs Microeconomic Theory** The theory of the pricing, distribution, and allocation of resources in a market economy. Emphasis placed on the various meanings of economic efficiency. *Prerequisite:* Economics 133, 134. *Four credit hours.* **MEEHAN, REID**

**224fs Macroeconomic Theory** Analysis of the theories of national income determination, the role of financial markets, the factors affecting employment, and the price level, international trade, exchange rates, and economic growth. Emphasis placed on the choice of fiscal and monetary policies and current issues in the conduct of stabilization policy. *Prerequisite:* Economics 223. *Four credit hours.* **DONIHUE, FINDLAY**



**231s Environmental and Natural Resource Economics** An introductory survey course using economic analysis to explain the underlying behavioral causes of environmental and natural resource problems and to evaluate the policy responses to them. Topics include air and water pollution, toxic substances, the allocation of renewable and exhaustible resources, and sustainable development. *Prerequisite:* Economics 133. *Three or four credit hours.* DI FALCO

**252s Presidential Economics** An analysis of key fiscal and monetary policies from the Hoover to the Clinton administrations. Topics include macroeconomic policies of the Great Depression, the gold standard, wage and price controls, the Kennedy tax cuts, and supply-side economics. The effects of economic events on political outcomes (e.g., presidential elections) and the effects of political factors on economic policies (e.g., the political business cycle) will also be examined. *Prerequisite:* Economics 133, 134. *Three credit hours.* H. FINDLAY

**254f The Economics of Women, Men, and Work** An examination of the past, present, and future economic status of women. Topics include the implications of changing economic and social roles of women for the division of labor in the family; the allocation of time of husband and wife between the household and the labor market; the impact of rising female labor force participation on marriage, childbearing, and divorce; and economic explanations of gender differences in earnings and occupation, including the role of labor market discrimination in observed gender differences in market outcomes. *Prerequisite:* Economics 133. *Four credit hours.* D, U. BARBEZAT

**[274] American Economic History** The framework of economic analysis applied to American historical patterns and trends. Aspects of industrialization, capital accumulation, technological change, trade and migration, and effects of entrepreneurial and governmental decisions. *Prerequisite:* Economics 133, 134. *Three or four credit hours.* H.

**277f International Finance** An analysis of international monetary relations. Topics include foreign exchange markets, the history of foreign exchange regimes, capital flows, the balance of payments, adjustment to balance of payments disequilibrium, national income determination in an open economy, international monetary organizations, monetary reform, and macroeconomic policy coordination. *Prerequisite:* Economics 133, 134. *Four credit hours.* FRANKO

**278s International Trade** An analysis of international trade. Topics include theories of international trade, the gains from trade, the impact upon factor incomes, commercial policy, international trade organizations, and customs unions. *Prerequisite:* Economics 133, 134. *Three or four credit hours.* DIFALCO

**292s Economic Transition in China** The evolution of the Chinese economy from pre-industry to market economy with socialist characteristics. Emphasis on central planning under Mao, market liberalization under Deng, and the implications of incremental economic reform. Topics include ownership and incentives, the rural-urban divide, and China's accession to the World Trade Organization. *Prerequisite:* Economics 133 or 134. *Four credit hours.* D, I. BROWN

**[293] Economic Development of the Third World** The less-developed countries and their prospects for economic betterment. Analysis of the techniques involved and the problems to be encountered in the growth process. *Prerequisite:* Economics 133, 134. *Three or four credit hours.*

**294f Economic Policy and Performance in East Asia** A survey of the causes and consequences of rapid economic growth in East Asia's dynamic market economies. Focus on the evolution of the Japanese and South Korean economies and on the Asian Financial

Crisis. Topics include the East Asian Miracle, state intervention in economic markets, the risks and rewards of globalization, and the nature of capitalism. *Prerequisite:* Economics 133 or 134. *Four credit hours.* **D, I.** BROWN

**[312] Topics in Law and Economics** A seminar examining the common law and the legal system from the point of view of economic analysis. The focus is on the effect of the legal system on allocation of resources, both as a substitute for and a complement to the market system. Specific topics include the definition and allocation of property rights, the assignment of liability for accidents and defective products, and the role of damage remedies for breach of contract. *Prerequisite:* Economics 223. *Four credit hours.*

**331f Industrial Organization and Antitrust Economics** An examination of the structure, conduct, and performance of American industries to determine if the market process efficiently allocates resources to meet consumer demand. An economic analysis of the antitrust laws and an evaluation of their performances with reference to specific industries and cases. *Prerequisite:* Economics 223. *Four credit hours.* MEEHAN

**332s Regulated Industries** An examination of specific regulated markets and the rationale for regulation in each. The economic effects of regulation on price, cost of production, and quality of product or service will be explored. The success of regulation will be evaluated relative to the market outcome that would be expected in the absence of regulation. *Prerequisite:* Economics 223. *Four credit hours.* MEEHAN

**333f Evolution of the Global Economy** An examination of the economic history of the 19th and 20th centuries, during which the size and scope of trade, migration, finance, and other forms of market integration increased dramatically. Topics include the large scale globalization that occurred from 1800 to 1913; the period between World Wars I and II, a time of international economic disintegration; and the period of reintegration from the end of World War II to the present. *Prerequisite:* Economics 223, 224. *Three credit hours.* **H.** LONG

**335s Economic Development: Theory and Experience** An introduction to economic models used to understand problems faced by developing countries. Topics covered, using both theoretical and empirical frameworks, include economic growth, inequality, poverty and nutrition, demographic change, and the economic and policy implications of incomplete markets. *Prerequisite:* Economics 224. *Four credit hours.* BROWN

**336s Mathematical Economics** A course in advanced economic theory designed to provide students with the fundamental mathematical tools necessary to prepare for graduate work in economics or business administration and for professional careers in the public or private sector. Topics include the development of portions of consumer and producer theory, the study of static and dynamic models, linear programming techniques, matrix algebra, and the consideration of general equilibrium analysis. Also listed as Mathematics 336. *Prerequisite:* Economics 224 and either Mathematics 122 or 162. *Four credit hours.* MANSORI

**338f Money, Banking, and Monetary Policy** An examination of the monetary system of the United States. Topics include the determination and role of interest rates, the organization and operation of the banking firm, innovations and regulations of the banking industry, and the implementation and evaluation of monetary policies. Particular emphasis on the importance of financial markets in determining interest rates, influencing bank behavior, and affecting monetary policy. *Prerequisite:* Economics 224 and Mathematics 231 or 382. *Four credit hours.* FINDLAY

**345fs Research in Economics** An analytical, not descriptive, research paper in economics, to be coordinated with an elective economics course in which the student is

concurrently, or previously has been, enrolled. Required of all economics majors. *Prerequisite:* Permission of the instructor. *Two credit hours.* FACULTY

**351f Public Finance** The economic role of government in the United States economy. The course has three parts: an analysis of market failures, an examination of government social insurance and welfare programs, and an investigation of the federal tax system. *Prerequisite:* Economics 223, 224. *Three or four credit hours.* REID

**355s Labor Market Economics** Wage determination and allocation of human resources in union and nonunion labor markets. Theories of labor supply, labor demand, and human capital investment; related public policy issues such as minimum wage laws, income maintenance, and discrimination. The operation of labor markets in the macroeconomy, with particular emphasis on the role of implicit and explicit labor contracts in explaining aggregate wage stickiness, inflation, and unemployment. *Prerequisite:* Economics 223. *Three or four credit hours.* BARBEZAT

**373f Open-Economy Macroeconomics** An examination of price level and income determination in an open economy, the choice of exchange rate regime and its impacts on macroeconomic stability, constraints on the formulation and implementation of monetary and fiscal policy in an open economy, and the debate over the desirability of international coordination of macroeconomic policies. Emphasis on application of theoretical concepts to analyze historical and current events. *Prerequisite:* Economics 224 and Mathematics 121 or 161. *Three or four credit hours.* MANSORI

**379s Game Theory** Introduction to the concepts and applications of game theory, which studies the behavior of rational, strategic agents—players who must take into account how their opponents will respond to their own actions. It is a powerful tool for understanding individual actions and social institutions in economics, business, and politics. Topics include Nash equilibrium, subgame perfection, and incomplete information. *Prerequisite:* Economics 223 and a course in calculus. *Four credit hours.* LONG

**393fs Econometrics** The use of statistical techniques to estimate and test economic models. Topics include multiple regression, multicollinearity, specification tests, serial correlation, heteroscedasticity, and the simultaneous-equations approach. *Prerequisite:* Economics 223, Mathematics 231 or 382. *Four credit hours.* DONIHUE, REID

**[473] Seminar: Economic Forecasting** An introduction to basic methods of time series analysis and the construction and presentation of economic forecasts. Topics covered include: exploratory data analysis; exponential smoothing; ARIMA modeling; econometric modeling; and the analysis of forecast errors. *Prerequisite:* Economics 393 and senior standing as an economics major. *Four credit hours.*

**474f Seminar: Economic Demography** The scientific study of population using an economic framework and survey data from East Asia and South Africa. Techniques of demographic measurement and mathematical demography. Recent innovations in microeconomic theory as applied to such demographic topics as fertility, child mortality, migration, health, aging, human capital, and inequality. Emphasis on empirical analysis using Stata. *Prerequisite:* Economics 393 and senior standing as an economics major. *Four credit hours.* BROWN

**475s The Economics of Professional Team Sports with an Emphasis on Baseball** An examination of the organizational structure of professional baseball. Topics covered include the peculiar economics of sports, competitive balance, sports leagues as joint ventures or cartels, cross-subsidization (revenue sharing, luxury taxes, etc.), and issues in player development. The labor market in professional team sports will also be covered, including restrictions on the labor market (player draft, the reserve rule and free-agency) and their



effect on players' salaries and competitive balance, and racial discrimination in sports. Although baseball will be the major focus, some of the differences with other sports will also be explored, and students will be free to do their major research paper on an economic aspect of any sport they choose. *Prerequisite:* Senior standing as an economics major. *Four credit hours.* MEEHAN

**[476] Seminar: Advanced Topics in Environmental Economics** Sustainable development is a concept that lies on the frontier of environmental economics. An examination of the theory behind sustainable development, the empirical work that attempts to reveal whether current development patterns are sustainable or not, the sources of unsustainability, and policies for forging the transition from an unsustainable to a sustainable path. *Prerequisite:* Economics 231 and senior standing as an economics major or minor. *Four credit hours.*

**[477] Seminar: History of Economic Thought** An examination and appraisal of the development of economic theory, including major writing from the Mercantilist through Post-Keynesian periods. Extensive use of source material and current journal articles. *Prerequisite:* Senior standing as an economics major. *Four credit hours.*

**478f Seminar: Economic Integration** An in-depth examination of policy questions regarding international economic integration, beginning with the theory that underlies efforts to reduce economic barriers between nations. Policy topics include the effect of international trade on income distributions, the potential expansion of NAFTA and the WTO, the motivations for and effects of European integration, and the role of human rights and environmental issues in discussions about integration. *Prerequisite:* Senior standing as an economics major and one of the following: Economics 277, 278, 297 (International Economics), or 373. *Four credit hours.* MANSORI

**479s Seminar: The Wealth and Poverty of Nations** Why are some countries so rich and other countries so poor? An examination of the causes of economic growth over the last thousand years and how changes in institutions, technology, and global economic integration have allowed some, but not all, societies to prosper and provide their members with remarkably high standards of living. *Prerequisite:* Senior standing as an economics major. *Four credit hours.* H. LONG

**482s Senior Thesis** A continuation of a year-long research project, beginning with Economics 345 in the fall semester. The completed research is to be presented in both written and seminar format. *Prerequisite:* Economics 345, senior standing as an economics or economics-mathematics major, and permission of the sponsor. *Four credit hours.* FACULTY

**483f Senior Honors Thesis** First semester of a year-long honors project to develop a well-articulated proposal, including a testable hypothesis and evidence of data availability. *Prerequisite:* Senior standing as an economics or economics-mathematics major, and permission of the department. *Two credit hours.* FACULTY

**484s Senior Honors Thesis** A continuation of a year-long research project, beginning with Economics 345 or 483. The completed research to be presented in both written and seminar form. *Prerequisite:* Economics 345 or 483, and successful proposal defense. *Four credit hours.* FACULTY

**491f, 492s Independent Study** Independent study devoted to a topic chosen by the student with the approval of the department. *Prerequisite:* Permission of the sponsor. *One to four credit hours.* FACULTY



**498s Seminar: Latin American Economic Development** Can Latin America compete in a globalized economy while providing opportunities for a sustainable increase in the quality of life for its citizens? Seminar explores economic constraints and opportunities for growth, including financial flows, human capital, inequality, trade, social entrepreneurship, and environment in Latin America. *Prerequisite:* Senior standing as an economics, Latin American studies, or international studies major and one of the following: Economics 214, 277, 278, 335, or 373. *Four credit hours.* FRANKO

[499] **Teaching Assistant** *Two credit hours.*

## Education

*Director, ASSOCIATE PROFESSOR MARK TAPPAN*

*Professor Terry Arendell (Sociology); Associate Professors Lyn Mikel Brown (Education and Women's, Gender, and Sexuality Studies), Tarja Raag (Psychology), and Tappan (Education); Assistant Professors Karen Barnhardt (Education) and Karen Kusiak (Education); Adjunct Assistant Professor Martha Denney*

The Education Program is guided by John Dewey's distinction between "education as a function of society," where the function of education is to prepare the minds of the young to maintain and uphold the basic principles of society, and "society as a function of education," where the function of education is to remake or reform society, because the principles and directives that govern society, and support the status quo, are by and large unjust. We firmly embrace the latter perspective, and thus our program is explicitly committed to promoting social justice, both in schools and in society at large. Our courses explore the impact of cultural assumptions, societal norms, and institutional policies and practices on both individuals and groups. Students and faculty work together to examine the operation of power as it relates to the construction of knowledge and the preservation of privilege. In so doing, students are encouraged to analyze and critique the intended and unintended oppressions resulting from specific educational and institutional practices by (1) considering the values and politics that pervade educational institutions, as well as the more pragmatic issues of teaching and organizing schools; (2) asking critical questions about how taken-for-granted assumptions and conventions about theory and practice came to be, and who in society benefits from such assumptions; (3) attending to differences in gender, race, social class, sexual orientation, and ability that result in political, social, economic, and educational marginalization and inequality, particularly for children and youth; (4) examining the connections among sexism, racism, classism, and other forms of oppression as they relate to environmental and ecological concerns; and (5) investigating how schooling plays a crucial role in the development of attitudes and behaviors toward "nature" and the environment. Students also are encouraged to move beyond critique and to theorize about the creation and implementation of educational and institutional practices that promote greater social justice and equity in society as a whole.

To these ends the program enables students to study the ways children and adolescents learn and develop; the dynamics of the teaching-learning process; and the psychological, philosophical, historical, social, and cultural dimensions of education. Students in the program also participate in a variety of community-based learning, social activism, internship, and practicum experiences.

Four minors are offered under the auspices of the program:

The **education minor** encourages a wide-ranging liberal arts exploration of educational theories, issues, and practices. Students focus primarily on the psychological, philosophical, historical, social, and cultural foundations of education and gain practical experience working with children and/or adolescents in a variety of classroom contexts. It provides preparation for graduate study in early childhood, elementary, secondary, or special education, as well as for careers in private-school teaching.

The **environmental education minor** encourages an interdisciplinary approach to theory, research, and practice in the field of environmental education. These activities seek to make explicit the complex intersections among environmental degradation, cultural critique, and processes of education with an emphasis on educational reform, social justice, and environmental activism in the United States. This minor is intended for those students with an interest in pursuing a career in environmental education, outdoor education, and/or experiential education.

The **human development minor** encourages an interdisciplinary approach to understanding the development of children and youth. Students consider a variety of perspectives on the study of human development; examine the relationship between individuals and the social, cultural, and historical context in which they live; and gain practical experience working in an institution or agency devoted to fostering human development and improving human lives. It provides initial preparation for careers in education, social work, human services, and/or social policy, as well as for graduate study in a number of different fields and disciplines.

The **professional certification minor** is approved by the Maine State Board of Education. It enables students to earn secondary certification (grades 7-12) in English language arts, foreign language, mathematics, life science, physical science, and social studies. This certification is valid in Maine or in one of the 23 other states with which Maine has agreements of reciprocity.

Colby believes that the best preparation for a teaching career is two-fold: (a) a strong background in the liberal arts, including intensive study of the subject to be taught; and (b) appropriate course work and practical experience in education.

Students interested in professional certification should apply to the program in the spring of their junior year. Candidates must have at least a 3.00 average in their major subject area and have completed the appropriate prerequisites for the student teaching sequence. In addition, candidates for the Maine secondary certificate must perform satisfactorily on the Praxis I exam and complete a teaching portfolio.

A **ninth semester program** is also available to qualified students. Students in the program return to Colby after graduation to complete the Senior Student Teaching sequence by working full time in a local school. Students admitted into the ninth semester program will not be charged tuition but will pay a small administrative fee. Students also will be responsible for finding their own housing off campus. Students interested in the ninth semester program should apply to the program in the spring of their senior year.

Additional information about the professional certification and ninth semester options is available from the program faculty. Early consultation with program faculty and careful planning of the student's course of studies is essential for a successful completion of the minor. This is especially important for students studying abroad.

Finally, students also may pursue an **independent major in human development** under the auspices of the program. Requirements for this major typically include course work in education, psychology, sociology, and anthropology. A formal proposal for such an independent major must be submitted to the Independent Study Committee. For further information please contact the program chair.

#### **Requirements for the Minor in Education**

Education 231 and 493; one practicum, internship, or field experience; and four electives in education.

#### **Requirements for the Minor in Environmental Education**

Education 231, 315, and 493; Environmental Studies 118; one of the following: Biology 131, 271, or Geology 131; one field experience, internship, or practicum; and one elective from among English 376, Environmental Studies 235, and History 394.

#### **Requirements for the Minor in Human Development**

Education 215 and 493; one internship, field experience, or practicum; two electives in education; and two electives in other departments, to be approved by the program chair.

#### **Requirements for the Minor in Professional Certification**

(1) A major, and at least a 3.00 average, in the subject to be taught. Requirements vary by

endorsement area; additional courses may be required for certification other than those required for the major. Early consultation with program faculty is essential. (2) Education 231, 257, 374, 431, one practicum (351 or 355), the Senior Student Teaching sequence (433, 437), and two electives in education.

## Course Offerings

**112s Comparative Education** Several major national educational systems considered from various perspectives. Some exploration of their influence in other parts of the world where cultural, historical, political, and economic circumstances are different. Topics include access to education, cultural assumptions about learning styles and assessment, the connections between education and employment, and the relative centralization of administration and curriculum. *Four credit hours.* **S, I.** DENNEY

**[115] Mentoring: Fostering Resilience in Children** Readings, discussion, role-plays, videos, and guest speakers combined with a service-learning experience of mentoring a child or adolescent. Topics covered include normal and compromised development; factors contributing to resilience among at-risk youth; gender, class, racial, and cultural differences; and philosophical, social, and spiritual perspectives on mentoring. *Co-requisite:* Participation in the Colby Cares About Kids mentoring program. Nongraded. *Three credit hours.* **S.**

**[116] Children's TV for Social Justice** An exploration of the process for creating educationally effective children's television with a particular emphasis on socially charged curricular areas such as conflict resolution and cultural tolerance. Combining extensive screening of programs from around the world with lecture and discussion, the course concludes with a final project that requires teams of students (approximately three to a team) to develop their own creative series treatment that addresses an issue for today's American kid. Nongraded. *Three credit hours.*

**215f Children and Adolescents in Schools and Society** A focus on understanding the experiences of contemporary children and adolescents, using case materials, literature, film, and autobiographical reflection. Issues considered include gender, racial, class, cultural, and sexual differences and the ways in which theories and approaches from various disciplines interpret the phenomena of childhood and adolescence. Students work with children in the after-school program at the Alford Youth Center. *Four credit hours.* **S, D, U.** TAPPAN

**217s Boys to Men** Listed as Women's, Gender, and Sexuality Studies 217 (q.v.). *Four credit hours.* **S, D, U.** TAPPAN

**231fs Teaching for Social Justice** A critical exploration of the theory and practice of teaching for social justice in a diverse society. Issues and topics considered include gender, racial, class, and cultural differences in the classroom; curriculum planning and instruction; student motivation and teacher expectations; designing positive learning environments; ability grouping, evaluation, and grading; the use of instructional technologies; and school reform and restructuring. Students serve as assistant teachers in an elementary or middle school. *Four credit hours.* **S, D, U.** TAPPAN

**235s Multiculturalism and the Political Project** An introduction to the critical tradition in education, particularly to the work of critical theorists and postmodern multiculturalists. This work calls into question the Western, patriarchal, capitalistic structures of modern society and its attendant institutions, and through an emphasis on post-colonial, neo-Marxist, feminist, and social theory it attempts to uncover how the Western-European foundations of American schooling have privileged some and marginalized others. Critical educators work to maintain the link between the struggle for



critical knowledge and the struggle for democracy. The course provides a forum for students to analyze these basic assumptions and to gain a deeper understanding of the struggle for transformative knowledge and critical democracy. *Four credit hours.* **S, D, U.** BARNHARDT

**257f Educational Psychology** Listed as Psychology 257 (q.v.). *Prerequisite:* Sophomore standing or above. *Four credit hours.* RAAG

**315f U.S. Environmental Justice Issues** The histories and contexts of U.S. environmental justice movements in the 20th century, and various theoretical frameworks on the role that race, class, gender, power, and identity politics play in the construction and mobilization of these justice movements. How and why communities organize around environmental justice issues, why some people participate and others do not, why some communities succeed and others do not, and why the discourse of environmental justice differs from other "mainstream" environmental discourses. *Prerequisite:* Sophomore standing and a 200-level education course or Environmental Studies 118. *Four credit hours.* **S, D, U.** BARNHARDT

**[316] Education, the Environment, and Social Justice** Issues of power, privilege, and oppression in mainstream environmental education are juxtaposed with concerns and issues raised by the burgeoning environmental justice movement. As part of a community service-learning project students will be challenged to examine educational institutions and schooling in the context of environmental justice with the goal of learning how to build effective environmental education coalitions in diverse communities. *Prerequisite:* Sophomore standing and a 200-level education course or Environmental Studies 118. *Four credit hours.* **S, D, U.**

**[318] Moral Development and Education** How do moral understanding and ethical sensibility develop over the course of the life span? What is the relationship between human values and educational practice? What role should schools play in fostering and facilitating moral development in children, adolescents, and adults living in a diverse, multicultural society? These questions are explored by considering various classical and contemporary theories of moral development and moral education, their philosophical, psychological, and sociocultural premises, and their implications for educational practice. Students will complete a community service-learning project. *Prerequisite:* A 200-level course in anthropology, education, psychology, or sociology. *Four credit hours.* **U.**

**332f Women, Girls, and the Culture of Education** The psychological and social development of girls and young women. The ways in which education imparts lessons about gender, race, class, and sexual identity, and how such lessons affect girls' and women's sense of self, relationships, and interactions with the world around them. *Prerequisite:* A 200-level course in education or women's, gender, and sexuality studies. *Four credit hours.* **D, U.** BROWN

**336f American Education: Historical and Philosophical Foundations** Beginning with the conquest and colonization of American Indians, working through to the central educational issues of the present, the course examines the sociocultural and historical evolution of the public school as a reflection of the evolution of American society. The history of American Indian education, from mission and boarding schools to tribally controlled schools, serves as a template by which other struggles for self-determination are examined. Modern issues such as the debates over school choice, a national curriculum, standardized testing, multicultural education, integration, and affirmative action are analyzed through this historical framework. *Prerequisite:* Education 231. *Four credit hours.* **H, U.** BARNHARDT

**337s Childhood in Society** Listed as Sociology 337 (q.v.). *Four credit hours.* ARENDELL



**[338] Educational Technology and Student Learning** Contemporary discourses about educational technology and about technology and society; development of techniques for using educational technologies in schools. Participatory action research projects will be used to develop Web-based materials for use in teaching. Course activities will provide candidates for teacher certification to demonstrate competencies for Maine's Initial Teacher Certification Standards and for the National Educational Technology Standards for Teachers. *Four credit hours.*

**351j Practicum in Education** Serving as assistant teachers in an elementary, middle, or junior high school, students will tutor, work with individual students, and prepare and present lesson plans to the whole class. Students write critical essays relating assigned readings to the practicum experience. Meeting weekly in seminar with College supervisor. Nongraded. *Prerequisite:* Permission of the instructor. *Three credit hours.* BARNHARDT

**355j Urban/Multicultural Practicum** Students serve as assistant teachers in an elementary or middle school in an inner-city environment or in an alternative school program. Each student will tutor and later present several lesson plans to the whole class; four critical essays comparing assigned readings with classroom experiences are required. Nongraded. *Prerequisite:* Permission of the instructor. *Three credit hours.* D. BARNHARDT

**[359] Practicum in Environmental Education** Serving as assistant teachers in an elementary, middle, or junior high school, students prepare and present lessons and activities in environmental education. Bi-weekly meetings in seminar with College supervisor. Nongraded. *Prerequisite:* Permission of the instructor. *One credit hour.*

**374s Teaching Students with Special Needs in Regular Classrooms** Approximately 10-15 percent of students in public schools in the United States qualify for special education services; many of these students receive most, if not all, of their instruction in regular class settings. A consideration of the skills and attitudes necessary for teaching students with special needs in regular settings and an examination of the roles and responsibilities regular educators have for teaching students who qualify for special education. Additional exploration of the psychological, philosophical, historical, and legal foundations of special education. In addition, students are required to spend a minimum of 20 hours over the course of the semester working in a practicum setting with a special needs teacher. *Prerequisite:* Education 231. *Four credit hours.* KUSIAK

**431f Senior Seminar in Curriculum and Methods** A consideration of general methods, curriculum design, and evaluation will be analyzed from a critical/multicultural perspective. Students are asked to explore questions such as: whose interests are served by the standard curriculum, predominant teaching methods, and the typical evaluative measures employed in classroom settings? More substantial focus on curriculum and methods as applied to each student's respective discipline will be explored outside of class with assigned mentor teachers. *Prerequisite:* Senior standing as a professional certification minor. *Four credit hours.* KUSIAK

**433f Student Teaching Practicum** Students will serve as student teachers in a local secondary school, working under the supervision of a cooperating teacher. Emphasis on curriculum planning and instruction. Nongraded. *Prerequisite:* Senior standing as a professional certification minor. *Four credit hours.* KUSIAK

**437j Student Teaching Practicum** Students serve as student teachers in a secondary school, helping adolescents to learn and working with cooperating teacher(s) and support personnel. The student teacher is expected to assume full responsibility for full-time teaching, including planning and presenting unit and daily lesson plans and evaluating student performance. Nongraded. *Prerequisite:* Education 433. *Three credit hours.* KUSIAK

**491f, 492s Independent Study** Independent study of advanced topics and areas of individual interest. *Prerequisite:* Permission of the instructor. *One to four credit hours.*

**493As Senior Seminar in Education and Human Development** A critical examination of selected topics and issues in the contemporary study of education and human development. The focus will vary from year to year but will typically entail an in-depth consideration of the psychological, philosophical, social, cultural, and/or historical dimensions of education and human development. Open only to senior minors in education or human development. *Four credit hours.* U. TAPPAN

**493Bs Senior Seminar in Environmental Education** The intersections between mainstream environmental and environmental justice issues and U.S. educational discourses and practices. Various approaches to environmental education, such as formal and informal environmental education, environmental education for “at risk” youth, outdoor or adventure education, holistic, and experiential education. Students will research and develop environmental curriculum plans and lead environmental education activities with school age youth. *Four credit hours.* BARNHARDT

## English

*Co-Chairs,* PROFESSORS PAT ONION AND LAURIE OSBORNE

*Professors Charles Bassett, Jennifer Boylan, Peter Harris, Susan Kenney, Phyllis Mannocchi, Onion, Osborne, Ira Sadoff, Jean Sanborn, Debra Spark, David Suchoff, Linda Tatelbaum, and W. Arnold Yasinski; Associate Professors Cedric Gael Bryant, Michael Burke, Robert Gillespie, Natalie Harris, Elisa Narin van Court, Anindyo Roy, Elizabeth Sagaser, and Katherine Stubbs; Assistant Professors Adrian Blevins, Tracy Carrick, Daniel Contreras, Tilar Mazzeo, and Jennifer Thorn; Adjunct Assistant Professor David Mills; Visiting Assistant Professor James Barrett; Visiting Instructor Chris Carrick*

The English Department offers literature courses in all periods, genres, and major authors, as well as seminars in particular topics and in broad literary and historical issues. The major in English builds upon the close reading and detailed analysis of literary texts; the investigation of the central political, cultural, and ideological issues occasioned by those texts, particularly issues of race, gender, and class; and the consideration of various critical approaches, methods of inquiry, and strategies of interpretation. There is a creative writing program in both fiction and poetry at the introductory, intermediate, and advanced levels. The department also offers special-topic courses and supervises about 50 independent study projects and 15 honors theses each year. English is one of the most useful majors for those who want to attend professional schools of law, medicine, and business, as well as for those seeking jobs in commerce, industry, and government. Some majors become teachers; some become writers; some go into journalism, library science, or publishing. Students interested in teaching, private and public, are urged to read the “Education” section of the catalogue and to contact a member of the Education Program.

### Requirements for the Major in Literature Written in English

English 172, 271; four 200- or 300-level courses; two 400-level studies in special subjects; two additional courses, which may be chosen from advanced courses in English or American literature, creative writing, or literature in other languages or in translation; one additional 300- or 400-level English course; one senior seminar (English 493). At least three of these courses must be courses in which the major focus is upon literature written in English before 1800 and at least three upon literature written in English after 1800. All choices of advanced courses should be planned carefully with the major advisor who must approve them. English 151, 179, 214, 278, 279, and 474 do not count toward the major.

The point scale for retention of the major applies to all English courses that may be used to fulfill major requirements. No requirement for the major may be taken satisfactory/unsatisfactory.

## Honors in English

Students who meet the prerequisite, define a project, and secure the support of a tutor may elect to take English 483, 484, the Honors Thesis, and, upon successful completion, graduate "With Honors in English."

Students planning to continue the study of English in graduate school should confer with their advisors to be sure that they have planned a substantial and adequate curriculum. They should be proficient in at least one foreign language. Most universities require two languages, and some require a classical language as well. Work in classical or foreign literature, history, philosophy, art, music, and some of the social sciences reinforces preparation in the major and enhances one's chances for success in graduate study.

### Requirements for the Concentration in Creative Writing

In addition to the requirements for the English major: a sequence of two workshops in fiction (English 278 and 378), poetry (English 279 and 379), or (when available) creative nonfiction (two courses selected from English 380, 382, 385B, 385D); two additional creative writing courses at the 200 level or above.

Students are encouraged to take at least one class in a genre other than their sequence genre. English 378 and 379 may be repeated for credit if taken with a different instructor. Students should note that creative nonfiction classes are not offered as frequently as fiction and poetry classes.

The department also encourages interdepartmental and interdisciplinary studies and supports the programs in American studies, African-American studies, women's, gender, and sexuality studies, and theater and dance.

## Course Offerings

**111f Composing in English** For students for whom English is a second language. Intensive practice in composing in English with considerable attention to the requirements of the academic essay. Work on syntax and grammar only as needed. Nongraded. *Three credit hours.* T. CARRICK

**112fs Expository Writing Workshop** For any student who wants extra work in writing. Taken in conjunction with English 115 or with a writing-emphasis course in another department at any level. Meets as individual tutorial in the Writers' Center. Nongraded. *One credit hour.* T. CARRICK

**115fs English Composition** Frequent practice in expository writing to foster clarity of organization and expression in the development of ideas. The assigned reading will vary from section to section, but all sections will discuss student writing. Required for first-year students. Students with an Advanced Placement score of 4 or 5 are exempted. *Four credit hours.* FACULTY

**115j English Composition** Frequent practice in expository writing to foster clarity of organization and expression in the development of ideas. The assigned reading will vary from section to section, but all sections will discuss student writing. Required for first-year students. Students with an Advanced Placement score of 4 or 5 are exempted. Descriptions and meeting times of three individual sections can be found via the Jan Plan selection Web pages. Each section is limited to 16 registrants. *Three credit hours.* N. HARRIS, MILLS

**126f Environmental Literature** Literature that addresses environment and place and the relations between the human and non-human, both directly (in nonfiction and natural history) and indirectly (in works of poetry or prose). The historical context for the shifts in literary attitudes toward environment. Texts from British Romantics, American Transcendentalists, natural historians, and modern poetry and prose. Fulfills the College's composition requirement (English 115). Part of the Integrated Studies Program; requires concurrent enrollment in Philosophy 126 and Biology 131. *Four credit hours.* BURKE



**133s War, Modernity, and American Culture** An analysis of the American culture in the Twenties and Thirties from a literary perspective—some poets of World War I, Hemingway, Fitzgerald, Richard Wright, and Steinbeck. Part of the Integrated Studies Program; requires concurrent enrollment in Philosophy 133. *Four credit hours.* L. BASSETT

**136f Literature in the Post-War Era, 1945-1970** An introductory literature course focusing on poetry, fiction, and drama from the post-World War II period that is representative of particular attitudes or movements, such as the Beats, Black Arts, environmentalism, protest, liberation, paranoia, and absurdism. Emphasis is on close reading and critical writing, as well as on how the philosophical developments of the period surface in these readings. Part of the Integrated Studies Program; requires concurrent enrollment in Philosophy 136. *Four credit hours.* L. BURKE

**[151] Reading and Writing about Literature** Topics, texts, and genres will vary from section to section, but all sections will emphasize close reading, detailed analysis of imaginative literature from different times and cultures, and careful critical writing. *Prerequisite:* English 115 or exemption. *Four credit hours.* L.

**172fs The English Seminar** The initial gateway to the study of literature at Colby for English majors, introducing students to the genres of poetry, drama, and fiction; emphasizing close reading; raising issues of genre and form; and providing practice in writing critical essays and in conducting scholarly research. *Prerequisite:* English 115 or exemption. *Four credit hours.* FACULTY

**179f Imaginative Writing** An introduction to creative writing and close reading in a variety of forms, including poems, novels, screenplays, drama, creative nonfiction, and short stories. Issues of craft will be addressed by writing original poetry and fiction. Does not count toward the creative writing concentration or minor. *Four credit hours.* L. BOYLAN

**214s Tutoring Writing** Discussion of readings on the process of writing and methods of tutoring. Theory combined with practice in peer review of student papers, mock tutorials, and actual supervised tutorials. Students completing the course may apply for work-study positions in the Writers' Center. Nongraded. *Prerequisite:* Sign up with the instructor in the Writers' Center. *Two credit hours.* T. CARRICK

**[216] Advanced Academic Writing** Intensive workshop and individualized work on a range of academic writing projects. Students will write one long paper and several shorter essays; most work will undergo multiple revisions. The major project will include an oral presentation. Readings, some selected by students, will be geared to topics undertaken by the class. Weekly conferences with instructor. *Three credit hours.*

**[224] Performance History I** Listed as Theater and Dance 224 (q.v.). *Four credit hours.* L.

**226f Performance History II** Listed as Theater and Dance 226 (q.v.). *Four credit hours.* L. BOX

**228s Performance History III** Listed as Theater and Dance 228 (q.v.). *Four credit hours.* L. BOX

**[231] Tolkien's Sources** An examination of some of the mythologies, sagas, romances, tales, and other writings that are echoed in the stories of Middle Earth. Not an introduction to Tolkien's fantasy literature; a knowledge of *The Silmarillion*, *The Hobbit*, and *The Lord of the Rings* is assumed. Topics include the role of myth and fantasy in society and the events of Tolkien's life as they relate to the world he created. *Prerequisite:* English 115. *Three credit hours.* L.



**[237] Taking Shakespeare's Word** A study of Elizabethan/Jacobean English and how the English language has evolved subsequently, working with nine speech patterns and some 300 common words that have lost or changed meaning. An exploration of poetry as mouth-to-ear art (rather than as art of page-to-eye). Not just for actors, language is treated as organic, an artist's tool whether the art is literature, drama, or just good life. Skills gained will be applied to scenes and poems as spoken events, culminating in a final semi-formal public presentation of scenes and poems. None of the grade will be based upon the skill of the presentation but will be affected by participation. *Three credit hours.* **L.**

**255f Studies in American Literary History, Puritans to the Civil War** The relationships among the historical American contexts in which literary works were produced, examining them as imaginative artifacts, tracing their impact on the social and cultural elements of the America of their time, and seeking their significance for readers in later and different worlds. Preference to American studies majors. *Four credit hours.* **L.** STUBBS

**256s Studies in American Literary History, Civil War to the Present** The relationships among the historical American contexts in which literary works were produced, examining them as imaginative artifacts, tracing their impact on the social and cultural elements of the America of their time, and seeking their significance for readers in later and different worlds. Preference to American studies majors. *Four credit hours.* **L.** ONION

**[265] The Western Tradition Re-Visited: From Virgil to the English Renaissance** An exploration of major Western European traditions by tracing the dialogues and debates on the issues of literary representation and influence, poetic traditions and counter-traditions, and aesthetics, situating these texts and the debates emerging from them in their specific historical and cultural contexts. Students who can read Latin, French, and/or Italian are encouraged to read some of the works in their original languages or in bilingual editions. *Four credit hours.* **L.**

**266s Studies in British Literary History, 1600 to 1900** A survey of British literature from early modernity through the Industrial Revolution, focusing in depth on seven writers whose finely-wrought works resonate with such historical shockwaves as those caused by the rise of the middling classes, with its new ideology of domesticity; by the challenges posed to established religion by secularism and science; and by the industrialization and urbanization of England within a "Great Britain" newly conscious of its global power. *Four credit hours.* **L, I.** THORN

**271fs Critical Theory** The study of selected texts, through close reading and detailed analysis, and the consideration of various critical approaches, methods of inquiry, and strategies of interpretation. English majors should take this course in the sophomore year. *Prerequisite:* English 172 (may be taken concurrently.) *Four credit hours.* **L.** FACULTY

**278fs Creative Writing: Fiction** Introduction to the writing of fiction, with emphasis on student manuscripts. *Prerequisite:* English 115. *Four credit hours.* **A.** FACULTY

**279fs Creative Writing: Poetry** Introduction to the writing of poetry, with emphasis on student manuscripts. *Prerequisite:* English 115. *Four credit hours.* **A.** BLEVINS, P. HARRIS

**[310] Desire and Autonomy in Medieval Women's Writing** A selection of writings by medieval women with particular focus on the literary expression of desire (sexual, textual, spiritual, political) and the autonomy of medieval women writers as they respond to anti-feminist traditions and writings. Readings in poetry, drama, biography, feminist treatises; a study of the historical/cultural/literary environments in which they wrote. Authors include Marie de France, Margery Kempe, Christine de Pizan, Elizabeth Carey, and Sor Juana de la Cruz. *Four credit hours.* **L, D.**

**[311] Medieval Counter-Cultures** An exploration of the ways in which 14th- and 15th-century narratives create, recreate, and resist various forms of cultural authority. Using historical, cultural, social, theological, and literary contexts, the course will look at how gender and sexuality determine and transgress authority, the politics of sexualized/feminized spirituality, various forms and expressions of heresy and dissent, “performed” transgressions, the literary authorization of social class, and the (im)-morality of chivalry and courtly love. *Four credit hours.* L.

**312j Love and Loss in the English Lyric** The interdependence of love and loss, desire and death, in poetry. A comparison of love lyric and elegy (poetry of mourning) from the Renaissance to contemporary poetry. The role of gender in representing experiences of love and loss; analysis through poetic theory and 20th-century philosophies of language. *Three credit hours.* L. SAGASER

**313s Renaissance Poetry** The nature, power, and history of poetry; the forms and uses—social, political, religious, personal—of lyric and narrative poetry written in English during the 16th and early 17th centuries. Analysis of the poems’ constructions of voice and their representations of thought, selfhood, national identity, love, desire, faith, and mortality. The period’s poetic theory, including important defenses of poetry, and the debate about rhyme. Readings in Wyatt, Pembroke, Spenser, Sidney, Marlowe, Raleigh, Daniel, Campion, Shakespeare, Donne, and others. *Four credit hours.* L. SAGASER

**314s 17th-Century Poetry** Close reading of both canonical poems (mostly by men) and less canonical poems (mostly by women) written during England’s volatile, fascinating 17th century. A comparison of these texts, charting representations of gender, developments in poetic style, the interrelations of secular and sacred poetic traditions, and the intersections of personal and political concerns. Readings include works by Shakespeare, Donne, Jonson, Lanyer, Speght, Herbert, Wroth, Herrick, Milton, Marvell, Philips, Behn, and others. One weekend day and night will be spent in a marathon reading of Milton’s *Paradise Lost*. *Four credit hours.* L. SAGASER

**[317] The 18th Century I** A survey of early to mid-18th-century British literature and culture focusing on the effect of rapid commercial expansion on traditional models of virtue and social order—that is, on the question, omnipresent in the era, of whether the increased social mobility made possible by global trade and colonization should be embraced as nationally empowering or damned as nationally corrupting, especially in relation to gender and class/status. *Four credit hours.* L.

**318s The 18th Century II** Works by writers of the second half of the 18th century in relation to the era’s historical upheavals: the expansion of British control of North America and India, the American and French revolutions, the debate over women’s rights, and the beginnings of abolitionism. Focus on the rise to prevalence of orientalist and sentimental drama, novels, and philosophy. Writers include Samuel Johnson, Laurence Sterne, Adam Smith, James Boswell, and Mary Wollstonecraft. *Four credit hours.* L. THORN

**319f Orientalism and Literature: From the Elizabethan Age to the Modern Era** Orientalism, as defined by Edward Said, is “a way of coming to terms with the Orient . . . based on the Orient’s special place in the European Western experience.” The ways in which Orientalism “helped define Europe (or the West) as its contrasting image, idea, personality, experience” by examining its historical emergence and consolidation from the 16th to the 20th century, in works by Edmund Spenser, Elizabethan drama, 17th- and 18th-century narratives, Romantic and Victorian fiction and poetry, and modernist literature and film. *Four credit hours.* ROY

**321s The British Romantic Period** British poetry of the Romantic period, with an emphasis on authors of the “first-generation,” including William Wordsworth, Dorothy

Wordsworth, Samuel Taylor Coleridge, and Robert Burns. How the emergence of Romanticism, with its emphasis on self-expression and the imagination, was shaped by the historical context of the French and American revolutions and by the changing social conditions of late 18th-century England, Scotland, and Wales. Forms considered include ballads, vernacular poetry, odes, sonnets, fragments, and blank-verse genres; memorization of modest amounts of poetry will figure prominently in course assignments. *Four credit hours.* **L, I.** MAZZEO

**323f Victorian Literature I** The idea of “culture” in the mid-Victorian period and the social pressures of class, religion, gender, and race that formed and transformed it. Readings include Victorian predecessors such as Walter Scott, novels by Charles Dickens, Emily Brontë, and George Eliot, prose by Thomas Carlyle, J.S. Mill, and Matthew Arnold, and poems by Alfred Tennyson and the Rossettis. Novels, essays, and poems considered as participants in Victorian debates that created “culture” as a political category and helped shape modern literary and cultural criticism. *Four credit hours.* **L.** SUCHOFF

**[324] Victorian Literature II** The conflict between the elite and an emerging mass culture in later 19th-century British society and culture; how issues raised by colonialism, commodity culture, and emergent socialist and feminist movements shaped that divide. Narrative texts that related the crisis in high-cultural Victorian values to questions of racial and ethnic “otherness,” including works by Oscar Wilde, H.G. Wells, George Gissing, Bram Stoker, George Eliot, Rudyard Kipling, and William Morris. *Four credit hours.* **L.**

**325f Modern British Fiction** A historically informed critical study of six late 19th- and 20th-century British novelists—Thomas Hardy, James Joyce, Joseph Conrad, E.M. Forster, Virginia Woolf, and D.H. Lawrence—focusing on the competing visions of modernity and the ways in which these writers simultaneously challenged and upheld the dominant social, cultural, and sexual values of British society. The course also traces questions about literary representation, style, and language within the political and aesthetic contexts defined by the aesthetic movement called “modernism.” *Four credit hours.* **L.** ROY

**[326] Modern Irish Poetry** The origins, contexts, nature, and achievements of Irish poetry after Yeats. Poets selected from among Louis MacNiece, Austin Clarke, Patrick Kavanagh, Thomas Kinsella, John Montague, Eavan Boland, Medbh McGuckian, Seamus Heaney, Derek Mahon, Michael Longley, Paul Muldoon, Tom Paulin, Eamon Grennan, and Ciar'an Carson. *Four credit hours.* **L.**

**327j Wharton and James in Film and Literature** How biographical information and critical responses aid in understanding the key themes, literary projects, and central problematics of major works by two of the most famous writers of the American literary tradition, Henry James and Edith Wharton, and how their close friendship may have affected their work. Several filmic adaptations of their texts will also be considered. *Three credit hours.* **L.** STUBBS

**[332] Early Modern Drama: “Maids, Wives, and Punks”** Study of gender roles in early modern dramas by Middleton, Webster, and others. *Four credit hours.* **L.**

**[333] Modern American Drama, 1920-1970** American dramatic literature and theater history during the modern period, with emphasis on three American theater movements: the Group Theater in the 1930s, Broadway in the 1940s and '50s, and the Living Theater in the 1960s. *Four credit hours.* **L.**

**335j American Independents: Their Art and Production** Listed as American Studies 335 (q.v.). *Three credit hours.* **A.** MANNOCCHI

**336s Early American Women Writers** Is there a “female literary tradition” in America? Moving from the colonial era to the early 20th century, the course explores many



of the themes central to women's lives, while also investigating the literary genres traditionally associated with women's writing, exploring the insights of feminist historians, and assessing the recent critical reclamations of "female" genres such as domestic fiction and the sentimental. *Prerequisite:* English 172. *Four credit hours.* L, D, U. STUBBS

**[338] The American Renaissance I: Poe, Hawthorne, and Melville** A close study of the works of these writers in the context of their times. Particular attention to such movements as anti-slavery and women's rights. *Four credit hours.* L.

**339f The American Renaissance II: The Poetics of Sexuality** The role of desire in historical and aesthetic formations as expressed by a group of writers whose passions created a movement unparalleled in American letters, including Whitman, Dickinson, Thoreau, and Melville. *Four credit hours.* L. CONTRERAS

**341s American Realism and Naturalism** Novels, including the crime genre and other relevant cultural modes, that focus on the pursuit of money as an expression of desire and passion in pre-World War II capitalist America. Authors include Norris, London, Dreiser, Hammett, Chandler, and Cain. *Four credit hours.* L. CONTRERAS

**342f American Indian Literature** The decades since the 1960s have seen a vigorous outpouring of literature from American Indian writers, many of whom connect intense personal experiences to roots deep in Indian tradition through the use of Euro-American literary forms. Critical approaches by American Indian writers will be applied to the study of traditional stories and myths, and to contemporary Indian poetry, fiction, and drama. *Four credit hours.* L, D, U. ONION

**[343] African-American Literature** Particular attention to the much-neglected contributions of African-American women writers such as Jessie Fauset, Nella Larson, and Zora Neale Hurston, leading to a critical understanding of the ways African-American writers in the 19th and 20th centuries have responded artistically to problems inherent in American democracy concerning race, identity, marginality, gender, and class. Interpretive methods that will inform readings by James Baldwin, Toni Morrison, Paul Laurence Dunbar, and Chester Himes include formalism, historicism, feminist criticism, and myth criticism. *Four credit hours.* L, D, U.

**[344] 19th-Century American Poetry** A detailed study of the works of Whitman and Dickinson: poems, correspondence, and prose, with an emphasis on the tensions between body and spirit, the social world and the individual, the sublime, and questions of gender and power. Some theoretical material will serve as context to the literary works. *Four credit hours.* L.

**345s Modern American Fiction** Major works of American fiction since 1920—by Faulkner, Hemingway, Fitzgerald, Bellow, O'Connor, Alice Walker, and others—will be analyzed, emphasizing the pattern of experience of the protagonist in conflict with the modern world. *Four credit hours.* L. BRYANT

**[346] Culture and Literature of the American South** In a cold, New England dormitory room, a northern student asks his southern roommate to "tell about the South." The effort to do so engenders not just one narrative about what it means to grow up amid the palpable shadows of the Civil War and institutional slavery, but a whole tradition of imaginative fiction demarcated by elusive terms like "regionalism," "grotesque," "realism," and "modernism." Because so many of our writers are Southerners by birth, experience, and disposition—Flannery O'Connor, Alice Walker, Dorothy Allison, Charles Frazier, Tina McKelroy Ansa, Eudora Welty, and William Faulkner, to name only a few—the South, as myth and reality, has become a trope for what is essentially and problematically "American"—



and what *isn't*—in our literature and cultural history. An exploration of the intersections of these ideas and how Southern literature in the 20th century has helped shape our national dialogue about them. *Four credit hours.* L.

**347f Modern American Poetry** A multicultural look at American poetry from 1900 to 1960, considering how certain aesthetics rose to prominence while others were excluded from the canon. *Four credit hours.* L. P. HARRIS

**[348] Postcolonial Literatures** An introduction to the emergent postcolonial literatures in Africa, the Caribbean, and the Indian subcontinent, specifically addressing ways in which postcolonial literature challenges, modifies, or radically alters the inherited legacy of colonialism by adopting and working on the master metropolitan language, English; reimagines the dominant narratives of colonial expansion as a way to interrogate and unravel the dominant ideologies of the Empire; and evokes alternate histories of the Nation as a way to question the cultural politics of “neo-imperialism” and the continuing legacies of the Empire in our times. *Four credit hours.* L, I.

**349s Modern Jewish Writing: From the Diaspora to the Modern Israeli Novel** How did the ancient, ritual language of a European minority, no longer a spoken tongue, arise to become one of the most vibrant and creative literatures of the postmodern world? In English translation, an introduction to the literature of modern Israel, Zionist programs and their conflicts, and the roots of the modern Hebrew novel in the “diaspora,” Yiddish-speaking world of Sholom Aleichem and the “shtetl.” *Four credit hours.* L, D, I. SUCHOFF

**350Af Topics in Dramatic Literature: In the Absurd and Beyond** Listed as Theater and Dance 349A (q.v.). *Four credit hours.* WING

**350Bf Topics in Dramatic Literature: Play Writing** Listed as Theater and Dance 349B (q.v.). *Four credit hours.* SEWELL

**350Cs Contemporary American Playwrights** Listed as Theater and Dance 349C (q.v.). *Four credit hours.* WING

**351f Contemporary American Poetry** A study of some of the major and emerging figures and poetic movements in American poetry, emphasizing close readings and cultural contexts of work written primarily after 1970. Poets include Elizabeth Bishop, Lucille Clifton, Allen Ginsburg, Sharon Olds, Adrienne Rich, and Richard Wilbur. *Four credit hours.* L. SADOFF

**[352] Contemporary Asian-American Women Writers** Listed as Women's, Gender, and Sexuality Studies 315 (q.v.). *Four credit hours.* L, D.

**353f The American Short Story** A genre and cultural studies approach to the American short story that explores the shaping ways in which form and content are complexly intertwined with place—the South, New England, and the West, for example—and “time,” particularly the 19th century, modernism, and postmodernism. Major authors include Mark Twain, John Edgar Wideman, Flannery O'Connor, Nathaniel Hawthorne, James Baldwin, Edwidge Danticat, Eudora Welty, and Henry James. *Four credit hours.* L. BRYANT

**362f Art and Oppression: Lesbian and Gay Literature and Modern Society** How does a minority respond artistically to societal oppression that ranges from silencing and invisibility to censorship and persecution? The literary response/resistance of lesbian and gay people and their process of literary self-definition, in the face of what Adrienne Rich has defined as society's “compulsory heterosexuality.” A study of the lives and works of Oscar Wilde and Radclyffe Hall, discussion of selected writing by H.D., E.M. Forster, Willa Cather, Gertrude Stein, Virginia Woolf, James Baldwin, John Rechy, Rita Mae

Brown, Audre Lorde, Monique Wittig, Edmund White, Gloria Anzaldúa, Jeannette Winterson, and others. Images of the lesbian and gay experience in painting, photography, film, and television. Sexuality and the transformation of literary convention, the artistic vision of the “double minority,” the expression of a radical lesbian and gay political voice, and the emergence into mainstream society of lesbian and gay culture. *Four credit hours.* **L, D, U.** MANNOCCHI

**364s Buddhism in American Poetry** Non-Western religions have affected American poets as far back as Emerson and Whitman. By the beginning of the 20th century, East Asian poetry’s emphasis upon unelaborated image had sparked the revolutionary poetics of Pound and William Carlos Williams. Since World War II, the rise of Zen practice in North America has prompted many poets to explore the kinship between poetry and Buddhism’s non-dualistic world view. Emphasis will be on readings in Zen and in contemporary American poetry. *Four credit hours.* **L.** P. HARRIS

**376s Land and Language** Texts by environmental essayists, poets, fiction writers, and philosophers that put nature and people in a vigorous living relationship. What language *is* and *does* in the natural world, and what responsibility to the land our status as the talking species requires. Literature that “speaks nature,” “speaks of nature,” and “speaks for nature” as a key to how nature speaks for itself. *Four credit hours.* **L.** TATELBAUM

**378fs Intermediate Fiction Workshop** Practice in the writing of short stories, with major emphasis on student manuscripts. Admission is by manuscript submission only; consult instructor for deadlines and format for manuscript submission. *Prerequisite:* English 278. *Four credit hours.* KENNEY, SPARK

**379fs Intermediate Poetry Workshop** Practice in the writing of poetry, with major emphasis on student manuscripts. Admission is by manuscript submission only; consult instructor for deadlines and format for manuscript submission. *Prerequisite:* English 279. *Four credit hours.* BLEVINS, P. HARRIS

**380s Creative Nonfiction I** Creative nonfiction includes renderings of personal experience, presentations of opinion and passion, profiles of people, and evocations of time and place. Based upon “fact,” it uses elements of fiction. A writing workshop with weekly assignments designed to help students find their best material and their strongest voices. Also, reading and discussion of the work of published essayists. *Prerequisite:* English 115 (or exemption). *Four credit hours.* **A.** INSTRUCTOR

**[382] Environmental Writing: Writing on Place** Practice in the forms of nonfiction that seek to evoke and represent place, and experiences of it. A writing workshop that begins with sample readings, followed by assignments, then consideration of student work. Counts as a creative writing “fourth requirement.” *Four credit hours.* **A.**

**385Aj Genre Workshop: Screenwriting** An introduction to the craft, and to the art, of telling stories in film. Following an introduction to the screenplay format and the use of screenwriting software, all sorts of films, both formulaic and idiosyncratic, will be examined. Exercises, lectures, and workshops will explore issues of character and structure, culminating in the writing of an original screenplay—either an original film or an adaptation of an existing work. Formerly listed as English 381. *Three credit hours.* **A.** BOYLAN

**[385B] Genre Workshop: Creative Nonfiction II** Advanced class in the writing of creative nonfiction, with emphasis on student manuscripts. Admission is by manuscript submission only; consult instructor for deadlines and format for manuscript submission. *Prerequisite:* English 380 or 382, and permission of the instructor. *Four credit hours.*

**[385C] Genre Workshop: Playwriting** An introduction to the craft of writing for the stage. Lectures on the structure of dramatic action, character, and staging will lead to the

creation of a one-act play. Student playwrights will act in informal readings and productions of works created by the class. *Four credit hours.*

**[385D] Genre Workshop: Feature Writing** A workshop course concerning a branch of nonfiction related both to journalism and to creative nonfiction, most often associated with writing for magazine or periodical publication. Feature writing forms include profile, first-person adventure, history, intimate biography, travel, criticism, and the personal essay. The characteristics of each mode are explained by studying examples; students will craft work in several of these forms. *Four credit hours.* A.

**386As Special Topics in Creative Writing: Gendered Memoir** An examination of the location of sexuality and gender within a wide range of autobiographical texts. Students will create their own autobiographical pieces, which will be discussed in a workshop setting. Texts to be read will include excerpts from Boswell's *Life of Johnson*, Thurber's *My Life and Hard Times*, Augusten Burroughs's *Running with Scissors*, Mary Karr's *Cherry*, Alice Sebold's *Lucky*, Alexandra Fuller's *Don't Let's Go to the Dogs Tonight*, and the *Journals of Dorothy Wordsworth*. *Four credit hours.* BOYLAN

**[386B] Special Topics in Creative Writing: The Graphic Novel** The graphic novel, starting with the form's antecedents (in pre-Columbian picture manuscripts, Japanese scroll painting, and cave painting), through Hogarth in the 18th century, to comics and collage novels in the 20th century. Considered are early practitioners of the form (Will Eisner), as well as contemporary artists (Art Spiegelman, Chris Ware, and Daniel Clowes) and contemporary theorists and historians (Scott McCloud, Roger Sabin, and Trina Robbins). Students conclude the semester with analytic work or by producing a graphic novel segment. *Four credit hours.*

**397Cf Literature of Resistance** An integrated study of sociolinguistic theory, literacy studies, and literature focusing on the study of African-American and Latina/o authors and activists. Close interdisciplinary readings of plays, poetry, spoken word, fiction, essays, and documentaries explore the narrative, epistemological, and linguistic features of texts that resist conventions established by dominant Western culture. How can literary works dialogically and meaningfully re-construct and re-historicize relationships between dominant and oppressed cultural groups? How have contemporary authors not only challenged the conventions of spoken and written work, but also re-imagined the role that literature, broadly defined, plays in social and political activism? *Four credit hours.* L. T. CARRICK

**397Df Taking Shakespeare's Word for It** Listed as Theater and Dance 326 (q.v.). *Four credit hours.* SEWELL

**397Ef Christ-Killers, Money-Lenders, Prophets, and Neurotics: Jews in Literature Medieval to Modern** Works from the 14th-20th centuries (including Chaucer, Shakespeare, Marlowe, Elizabeth Carey, George Eliot, Philip Roth), with historical, cultural, and theological contexts. Issues of stereotypes, antitypes, anti-Semitism, race and religion, representations of the outsider, gender and Jews, assimilation politics, and intellectualizing Jewish identity. *Four credit hours.* L, D. NARIN VAN COURT

**397Jj Modern Irish Drama** Irish drama from the late 19th century to today as it relates to the politics of national self-expression; Irish drama's orientation toward audiences at home and abroad; its persistent thematization of sacrificial violence in relation to gender and national identities; and the challenges of adapting to film works written for the stage. Authors include W.B. Yeats, Samuel Beckett, Brian Friel, and Marina Carr. *Three credit hours.* THORN

**398As Culture and Literature of the Southwest** An examination of the literature produced in the southwestern United States with attention to texts by Anglo-Americans,



Chicana/os, Native Americans, and African Americans (Larry McMurtry, Cormac McCarthy, Leslie Marmon Silko). Besides a consideration of the rural and the metropolis, specific regional histories such as those of Texas and of Hollywood will be placed in the cultural history of this vast geographical area. Important concepts guiding the course are historical memory, migration, communal history, and the mobility of desire. *Four credit hours.* L. CONTRERAS

**398Bs Victorian Poetry** A study of British verse from circa 1830-1890, with particular attention to themes of home, homesickness, consolation, and memory in the poetry of John Keats; Alfred, Lord Tennyson; Elizabeth Barrett Browning; Robert Browning; Thomas Hardy; and their contemporaries. Verse forms covered will include the ode, sonnet, dramatic-narrative poem, and epic conventions. *Four credit hours.* L. MAZZEO

**[410] The Arthurian Tradition** A broad and comprehensive investigation of the Arthurian Tradition from its origins in Celtic legendary materials to its development and perfection in Chrétien de Troyes's French Arthurian romances, the emergence of an English Arthurian tradition in the Middle Ages, and the reinterpretations of the Arthurian myths produced in the Renaissance, Victorian, and modern periods. Issues include the historicity of Arthur and foundational myths; political and cultural appropriation of Arthurian materials; gender and the ideals of quest literature. Works range from Chrétien de Troyes to *The Mists of Avalon*. *Four credit hours.* L.

**411f Shakespeare I: Shakespeare on Stage** A wide-ranging exploration of Shakespeare's plays on stage, addressing the context of early modern stage conditions, his metadramatic representations of the theater, and subsequent stage performance histories. Significant research and writing required. *Four credit hours.* L. OSBORNE

**412s Shakespeare II: Shakespeare on Film** A historical and theoretical examination of Shakespeare's plays as reproduced on film. Will include silent Shakespeare, multiple film versions of plays, Shakespearean adaptations. Significant viewing and writing required. *Four credit hours.* L. OSBORNE

**413Af Author Course: Samuel Beckett** The Comedy of the Abyss: Beckett faces the emptiness of modernity and finds humor in it. His absurd plays, in which nothing happens, parody the absurd ideals of a Western culture where "everything waits to be called off to the dump" but life goes on as normal. As the "comedian of the impasse," Beckett makes meaningless language speak, in a world that can't go on, but must. The central text of one of the hardest and most rewarding modern writers. *Waiting for Godot, Endgame*, and prose. *Four credit hours.* SUCHOFF

**413Bf Author Course: Geoffrey Chaucer** An introduction to Chaucer's *Canterbury Tales*, reading closely in the poetry and investigating the historical, social, and material contexts in which Chaucer's work was written and transmitted. The poetry will be read as performed verse in its original Middle English form and will be approached through a variety of topical and critical issues grounded in the history of late medieval literary life and practice. *Four credit hours.* L. NARIN VAN COURT

**426s African-American Women Writers** A focus on the unique and still largely marginalized literary contributions of African-American women novelists, poets, essayists, and playwrights during the 19th and 20th centuries. Writers will be discussed in context of the issues central to their work, including magical realism, race, (re)membering the female body, (black) feminism and literary production, and reconstructing black womanhood. *Four credit hours.* L, D, U. BRYANT

**[427] The Harlem Renaissance** An examination of historicism and reader-response models of reading as ways of exploring three genres (poetry, short fiction, and the novel)



that African-American writers exploited in unprecedented ways during the 1920s. *Four credit hours.* L, D.

**429s Passionate Expression: Love, Sex, and Sexuality in Western Literature** A study of the Western tradition in love literature focusing on representative masterworks both from “mainstream” culture and from counter-cultures through the ages; topics begin with the Bible, Greek drama, and medieval lyric and conclude with classic Hollywood versions of love stories and the fiction of contemporary liberation movements. *Four credit hours.* L, D. MANNOCCHI

**[457] American Gothic Literature** Horror, especially gothic horror of the American variety, always masquerades as something else; it can usually be found “playing in the dark,” in Toni Morrison’s phrase, or beneath a monster-other mask. Surveying horror’s effects—the narrative strategies that make horror fiction so horrifying—is a focus, but emphasis is on learning to use various “critical” tools, Jungian myth, psychoanalytical, feminist, and race criticism to explore the deeper, semiotic relation of signs and signifying that codify the cultural meaning behind the monster masks—werewolves, shapeshifters, vampires, succubi, demons, and (extra)terrestrial aliens—that conceal a humanity too terrifying to confront consciously. *Four credit hours.* L, U.

**474fs Public Speaking** An intensive course in the practice of public speaking, with special attention given to current political and social issues and the development of an effective and persuasive platform personality. Attendance at campus debates and speech contests required. *Four credit hours.* MILLS

**480s Projects in Creative Writing** An independent project related to the production or teaching of creative writing. Projects may include service learning efforts in the community, independent studies, or internship with substantial accompanying academic work. *Prerequisite:* English 385 and permission of the instructor. *Four credit hours.* SPARK

**483f, 484js Honors Thesis** An independent, substantial project approved by the department. The student will work in close consultation with a faculty member. Students are responsible for selecting their faculty tutor and submitting their proposal by May of their junior year. *Prerequisite:* A 3.25 grade point average in the major and approval from a faculty tutor. *Two to four credit hours.* FACULTY

**491f, 492s Independent Study** Individual projects exploring topics for which the student has demonstrated the interest and competence necessary for independent work. *Prerequisite:* Permission of a project advisor and the chair of the department. *One to four credit hours.* FACULTY

**493Af Seminar: Reading in Early America** The impact of “print culture” on early American literary history, social relations, and power formations. Works of early American fiction in the context of their publication histories and their critical and popular reception. Topics include the early history of literacy and popular reading in the United States; the role of printers; democratization and the expansion of the literary marketplace; censorship and state power; race, gender, class, and reading practices. *Four credit hours.* L. STUBBS

**493Bf Seminar: Sites of Conflict: 20th-Century American Novel** Examination of texts (novels and films) whose central project is to negotiate the relationship between the individual and the powers of the “state” (cultural, economic, and psychological) during the Depression, the Cold War, the Sixties, etc. Authors include Fitzgerald, West, Doctorow, Cheever, and Kincaid. *Four credit hours.* L. SADOFF

**493Cf Seminar: William Blake and John Milton** An intensive study of Milton’s *Paradise Lost* (1667) and Blake’s *Milton* (1804), two visionary poems dealing with (and

shaping) the mythologies of English cultural identity. Blake's response to Milton and how both poems functioned in their historical moments as national epics, one in the context of the English Civil War and the other in the context of the French and American revolutions. Particular attention paid to the visual elements of Blake's art, to the history of printmaking, and to the connections between his illuminations and his poetry. *Four credit hours.* L. MAZZEO

**493Ds Seminar: Desire and Autonomy** A selection of writings by medieval women with particular focus on the literary expression of desire (sexual, textual, spiritual, political) and the autonomy of medieval women writers as they respond to anti-feminist traditions and writings. Readings in poetry, drama, biography, feminist treatises; a study of the historical/cultural/literary environments in which they wrote. Authors include Marie de France, Margery Kempe, Christine de Pizan, Elizabeth Carey, and Sor Juana de la Cruz. *Four credit hours.* L. NARIN VAN COURT

**493Es Seminar: Lyric Self and Other** Poems and theory that explore poetic address, the power of form, the gendering of lyric conventions, and the role of language in experiences of solitude, melancholy, and intimacy. Emphasis on the founding period of modern English lyric—the 16th and 17th centuries—but will frequently compare Renaissance poems to poems of later ages, including the present one. *Four credit hours.* L. SAGASER

## Environmental Science

*Directors, Professors F. Russell Cole (Biology and Environmental Studies), David Firmage (Biology), Whitney King (Chemistry) and Thomas Shattuck (Chemistry)*

Colby offers major programs in environmental science with an emphasis in one of four departments/programs: biology, chemistry, environmental studies, and geology. Each program is intended to prepare students for roles as educated citizens in a world increasingly confronted with environmental problems as well as for entry-level positions in firms or government agencies dealing with these problems or for graduate work in related areas. The three environmental science majors, each with a different emphasis and background, emphasize the scientific foundation that underlies environmental planning. The Environmental Studies Program also offers a concentration in environmental policy and an environmental studies minor, which may be elected by majors from any department or program.

**Biology/Environmental Science** is a major program that includes work in biology, physical sciences, and social sciences. Instruction in ecology and environmental science includes a survey course in ecology that introduces students to a variety of Maine ecosystems. Students use different types of equipment to measure environmental parameters at each site visited and then compare and contrast data among the ecosystems. In addition, they develop knowledge of the local biota and an understanding of the interrelationships among these plant and animal species. A junior-level course in advanced and applied ecology offers a detailed review of ecological concepts and their relevance to environmental issues. A senior practicum enables students to apply the concepts they have learned to an environmental problem of local significance and provides a research experience in environmental science.

**Chemistry/Environmental Science** Students electing this major complete all the courses required for the chemistry major. In addition, two courses are required in biology and economics. Chemistry 217, Environmental Chemistry—which discusses the application of chemical principles to such topics as fates and toxicity of heavy metals and organic pollutants in soils and natural water systems, corrosion, complexation, and analytical techniques—is required, as is an independent study.

**Environmental Studies/Science** The interdisciplinary environmental studies major offers an introduction to national and global environmental issues and the opportunity to

focus on science or policy perspectives. A foundation course in environmental studies is complemented by core courses in environmental economics, environmental policy, international relations, and international environmental regimes. The senior capstone seminar provides a "hands-on" approach to environmental studies research. Environmental studies majors who concentrate in science select a focus area to explore in depth. Current focus areas include conservation biology, marine science, environmental chemistry, and environmental geology. These students then complete a capstone course related to their focus area.

Each of these environmental science majors emphasizes the scientific foundation that must underlie environmental planning and decision making. Specific requirements for each concentration are listed in the departmental sections of this catalogue. Colby places considerable emphasis on integrating student research into the curriculum. In addition to research opportunities in courses, independent projects, and honors projects, a limited number of research assistantships are available each summer and during the academic year that enable students to work with faculty on specific environmental research projects. Students also are encouraged to complement their work on campus with January Programs and other off-campus educational opportunities, including affiliated programs offered by the School for Field Studies and the Ecosystem Center of the Marine Biological Laboratory in Woods Hole, Massachusetts.

## Environmental Studies

*Director*, PROFESSOR F. RUSSELL COLE

ADVISORY COMMITTEE: *Professors Karen Barnhardt (Education), Catherine Bevier (Biology), Liliana Botcheva-Andonova (Environmental Studies and Government), Cole (Biology), Charles Conover (Physics), David Firmage (Biology), James Fleming (Science, Technology, and Society), Paul Josephson (History), Whitney King (Chemistry), David Nugent (Anthropology), Philip Nybus (Environmental Studies), Lenny Reich (Administrative Science), Jennifer Shosa (Geology), Linda Tatelbaum (English), Thomas Tietenberg (Economics), and James Webb (History)*

The environmental studies programs are designed to provide a broad-based course of study. Each concentration is intended to prepare students to be well versed in both policy and science issues as related to the environment and to be able to pursue graduate study or entry-level work in fields such as environmental management, environmental history, natural resource management, land-use planning, urban/rural planning, technology and policy, and environmental and public policy.

### **Requirements for the Major in Environmental Studies with a Concentration in Policy**

#### ***I. All of the following courses***

Environmental Studies 118, 233, 334; Economics 133, 231; Government 131, Mathematics 212 or 231

#### ***II. Five of the following courses***

<i>Biology</i>	131	Biodiversity or 164 Diversity and Evolution
	238	Bacteriology
	257j	Winter Ecology
	358j	Ecological Field Study
	271	Introduction to Ecology
	334	Ornithology
	352	Advanced and Applied Ecology
	354	Marine Ecology
	373	Animal Behavior
<i>Chemistry</i>	141	General Chemistry
	142	General Chemistry
	217	Environmental Chemistry

<i>Environmental Studies</i>	319	Conservation Biology
<i>Geology</i>	131	Introduction to Environmental Geology <b>or</b>
	141	Introduction to Physical Geology
	353	Groundwater Hydrology
<i>Physics</i>	141	Foundations of Physics I <b>or</b> 143 Honors Physics
	142	Foundations of Physics II
<i>Science, Technology, and Society</i>	215	Weather, Climate, and Society

### III. *Environmental Issues*

Three courses selected from the following group:

<i>Anthropology</i>	256	Land, Food, Culture, and Power
<i>Education</i>	316	Education, the Environment, and Social Justice
<i>English</i>	376	Land and Language
<i>Environmental Studies</i>	212	Introduction to GIS and Remote Sensing
	235	Sustainable Development
	237j	Environmental Law
	336	Endangered Species: Policy and Practice
	338	Climate Change Politics
<i>History</i>	394	Ecological History
	446	Research Seminar: Historical Epidemiology
<i>Philosophy</i>	126	Philosophy and the Environment
<i>Science, Technology, and Society</i>	212	Native Natural Knowledge
	215	Weather, Climate, and Society (if not used to satisfy II above)
	281	Global Environmental History
	356	The Biography of Oil
<i>Sociology</i>	333	Globalization

### IV. *Capstone Courses (one course)*

<i>Biology</i>	493	Problems in Environmental Science
<i>Economics</i>	476	Advanced Topics in Environmental Economics (open only to double majors in economics)
<i>Environmental Studies</i>	493	Environmental Policy Senior Seminar

### V. *Senior Colloquia*

*Environmental Studies* 401, 402 Senior Colloquium

No requirement for the major may be taken satisfactory/unsatisfactory. AP credits in a subject cannot replace more than one course.

## Requirements for the Major in Environmental Studies with a Concentration in Science

### I. *Required Core Courses*

<i>Biology</i>	164	Diversity and Evolution and Biology
	271	Introduction to Ecology
<i>Chemistry</i>	141 and 142	General Chemistry <b>or</b> Physics 141 and 142
		Foundations of Physics I and II
<i>Geology</i>	131	Introduction to Environmental Geology <b>or</b> Geology 141
		Physical Processes of Planet Earth (Geology 141 is required for those electing an environmental geology focus)
<i>Economics</i>	133	Microeconomics
	231	Environmental and Natural Resource Economics
<i>Environmental Studies</i>	118	Environment and Society
<i>Mathematics</i>	121	Single-variable Calculus and 212 Elementary Statistics <b>or</b>
		231 Applied Statistics and Regression Analysis (for students electing the conservation biology or marine science focus area) <b>or</b> Single Variable Calculus and 122 Series and Multi-variable Calculus (for students electing the environmental geology or chemistry focus area)



**II. Humans and the Environment** (two courses)

<i>Anthropology</i>	256	Land, Food, Culture, and Power
<i>Economics</i>	278	International Trade
<i>Environmental Studies</i>	237j	Environmental Law
	233	Environmental Policy
	235	Sustainable Development
	334	International Environmental Regimes
	336	Endangered Species Policy and Practice
	338	Climate Change Politics
<i>History</i>	394	Ecological History
	446	Historical Epidemiology
<i>Philosophy</i>	126	Philosophy and the Environment
<i>Sociology</i>	333	Globalization
<i>Science, Technology, and Society</i>	215	Weather, Climate, and Society
	281	Global Environmental History

**III. Focus Area** (five courses from one of the following focus areas and an additional corresponding culminating experience, chosen in consultation with advisor)

**A. Conservation Biology**

<i>Biology</i>	163	The Cellular Basis of Life
	352	Advanced and Applied Ecology <i>Environmental Studies</i>
	319	Conservation Biology

Two courses from the following:

<i>Biology</i>	211	Taxonomy of Flowering Plants
	237	Woody Plants
	254	Marine Invertebrate Zoology
	334	Ornithology
	354	Marine Ecology
	358	Ecological Field Study in Anguilla
	373	Animal Behavior

**Culminating Experience**

<i>Biology</i>	493	Problems in Environmental Science
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**B. Marine Science**

<i>Biology</i>	163	The Cellular Basis of Life
	254	Marine Invertebrate Zoology
	354	Marine Ecology

Two courses from the following:

<i>Biology</i>	276	Comparative Vertebrate Anatomy
	358	Ecological Field Study in Anguilla
	373	Animal Behavior
	375	Comparative Animal Physiology
<i>Chemistry</i>	217	Environmental Chemistry
<i>Geology</i>	171	Oceanography

**Culminating Experience**

<i>Biology</i>	493	Problems in Environmental Science or
<i>Environmental Studies</i>	491/492	Independent Study
	401/402	Senior Colloquium

**Senior Colloquium****C. Environmental Geology**

<i>Geology</i>	142	Deciphering Earth History
	225	Mineralogy
	351	Principles of Geomorphology
	353	Groundwater Hydrology
	354	Glacial and Quaternary Geology
	356	Sedimentation and Stratigraphy

**Culminating Experience**

*Geology* 494 Advanced Environmental Geology

**D. Environmental Chemistry**

*Chemistry* 217 Environmental Chemistry  
 241, 242 Organic Chemistry  
 331 Chemical Methods of Analysis

One course from the following:

*Chemistry* 332 Instrumental Methods of Analysis  
 341 Physical Chemistry  
 367 Biochemistry of the Cell  
 411 Inorganic Chemistry

**Culminating Experience**

*Chemistry* 481/482 Special Topics in Environmental Chemistry

**IV. Senior Colloquium**

*Environmental Studies* 401, 402 Senior Colloquium

Environmental studies majors with a concentration in science must complete at least two courses at the 300 level or above selected from categories II and III above. No requirement for the major may be taken satisfactory/unsatisfactory. AP credits can fulfill core course requirements based on exam performance and coverage. AP credits also can provide advanced placement in focus areas, but in no case can AP credits reduce the number of required focus area courses below five.

Environmental studies majors electing the science concentration should consult with the program director or the advisor for their selected focus area as early as their first year at Colby, to identify any courses beyond the major requirements that may be desirable to meet their postgraduate goals, especially graduate or professional school.

Students are encouraged to consider field courses offered by Colby or other approved programs such as: Biology 257, Biology 358, Geology 179, Geology 358, SFS Sustainable Development in Costa Rica, and the Semester in Environmental Science at the Marine Biological Laboratory, Woods Hole. Students electing the marine science focus area are strongly encouraged to consider a semester of off-campus study through programs offered by Denmark's International Study Program, the School of Field Studies, the Duke University Marine Laboratory, the Maine Biological Laboratory, and other approved programs. An internship or research project in the discipline is strongly recommended.

**Honors in Environmental Studies**

Environmental studies majors with a minimum cumulative grade point average of 3.50 at the end of the January term of the junior year or with program approval are eligible to apply for the Environmental Studies Honors Research Program. Interested students should contact a faculty sponsor during the spring semester of the junior year to discuss a project. By the end of spring registration, the student should secure a faculty sponsor and a faculty reader for their research project and register for Environmental Studies 483. Honors research projects will be a total of five to eight credits and will be conducted during the student's last two academic semesters (and may include Jan Plan). Successful completion of the Honors Program will include an approved thesis and an oral presentation at the Colby Undergraduate Research Symposium as well as the completion of the required course work for the major. The student fulfilling these requirements will graduate "With Honors in Environmental Studies." In cases where requirements for honors have not been fulfilled at the end of either semester, Environmental Studies 483 and Environmental Studies 484 (Honors Research) will revert to graded Environmental Studies 491 and Environmental Studies 492 (Independent Study).

The **environmental studies minor** is designed to introduce students to environmental issues and their ramifications in the context of the social and natural sciences. Course requirements provide flexibility, allowing students to study in areas of most interest to them.

### Requirements for the Minor in Environmental Studies

(1) Environmental Studies 118

(2) Either Economics 133 and 231 or Anthropology 112 and either 252 or 256

(3) Either Biology 131 and Biology 271, or Geology 141 and 142, or Chemistry 141 and 142

(4) Two courses, including one numbered 300 or above, selected from:

<i>Biology</i>	237	Woody Plants
	352	Advanced and Applied Ecology
	354	Marine Ecology
	358	Ecological Field Study in Anguilla
<i>Chemistry</i>	217	Environmental Chemistry
<i>Economics</i>	231	Environmental and Resource Economics (if not used to satisfy (2) above)
	476	Advanced Topics in Environmental Economics
<i>Education</i>	316	Education, the Environment, and Social Justice
<i>Environmental Studies</i>	212	Introduction to GIS and Remote Sensing
	233	Environmental Policy
	235	Sustainable Development
	319	Conservation Biology
	334	International Environmental Regimes
	336	Endangered Species: Policy and Practice
	338	Climate Change Politics
	493	Environmental Policy Seminar
<i>Geology</i>	352	Principles of Geomorphology
	353	Groundwater Hydrology
	494	Advanced Environmental Geology
<i>History</i>	394	Ecological History
	446	Research Seminar: Historical Epidemiology
<i>Science, Technology, and Society</i>	212	Native Natural Knowledge
	215	Weather, Climate, and Society
	251	Industry, Technology, and Society in America
	281	Global Environmental History
	356	The Biography of Oil
<i>Sociology</i>	333	Globalization

Minors should also have a "hands-on" environmental activity either of an experiential nature (internship, field experience, student teaching) or an academic nature (research paper or research lab). In many if not most cases, at least one of these may be required by one of your courses and thus satisfied automatically.

No requirement for the minor may be taken satisfactory/unsatisfactory. AP credits in a subject cannot replace more than one course.

Also available are **environmental science concentrations** in biology and chemistry majors. These are discipline-based programs intended to prepare students for entry-level positions in firms or government agencies concerned with environmental issues, for graduate study, or for roles as educated citizens in a world increasingly confronted with environmental problems. Students are encouraged to participate in relevant field study or internships to complement their academic work. Requirements are listed in the appropriate departmental section.

A student cannot elect both the environmental studies minor and an environmental science concentration or option.

## Course Offerings

**118s Environment and Society** An interdisciplinary course focusing on the human relationship with and impact on the environment. A look at some of the environmental problems that have arisen as a result of the growth of society in various areas of the world. The causes of each problem, methods for investigating the problem, and possible solutions investigated from a scientific and a public policy perspective. Lecture and discussion. *Four credit hours.* BOTCHEVA-ANDONOVA, COLE, FIRMAGE

**[173] American Indians, Time, and the Land: Legacies of Ambivalence** For more than two centuries, the United States has wrestled with a deep ambivalence about the native peoples within its national boundaries. An examination of the local legacies of a national ambivalence, using secondary materials and edited court decisions to illustrate the diversity of tribes and historical threads of national policy. For a final project, students will be asked to undertake independent research on a selected tribe and its neighbors. *Three credit hours.*

**212s Introduction to GIS and Remote Sensing** A comprehensive theoretical and practical introduction to the fundamental principles of geographic information systems and remote sensing digital image processing. Topics include data sources and models, map scales and projections, spatial analysis, elementary satellite image interpretation and manipulation, and global positioning systems. Current issues and applications of GIS will be discussed. Students will develop and carry out independent projects using GIS. *Prerequisite:* Environmental Studies 118, Biology 271, or Economics 133. *Four credit hours.* NYHUS

**215f Weather, Climate, and Society** Listed as Science, Technology, and Society 215 (q.v.). *Four credit hours.* N. FLEMING

**[217] Environmental Chemistry** Listed as Chemistry 217 (q.v.). *Three credit hours.*

**231f Environmental and Natural Resource Economics** Listed as Economics 231 (q.v.). *Three or four credit hours.* INSTRUCTOR

**233f Environmental Policy** A comprehensive and interdisciplinary introduction to the process and challenges of developing, implementing, and evaluating environmental policy. The role of costs and benefits, uncertainty and risks, science and technology, and attitudes and ethics are explored. Historic and contemporary case studies are used to examine major institutions and actors, laws and regulations, incentives and enforcement approaches, and their role in addressing our nation's most pressing environmental problems. *Prerequisite:* Environmental Studies 118. *Three or four credit hours.* NYHUS

**[235] Sustainable Development** An examination of the tension between the need for economic development by less developed countries and the necessity to protect and preserve the global environment. The course will explore the individual, community, and domestic issues facing the people and countries of the developing world as they attempt to address their economic and environmental problems, and the relationship between developing countries and the rest of the international community in confronting environmental issues. *Four credit hours.*

**[237] Environmental Law** Modern environmental law in the United States from its roots in the common law and local land use ordinances to the National Environmental Policy Act and complex modern statutes such as the Clean Air Act, Clean Water Act, and laws governing toxics. Introduction to constitutional principles related to environmental law. Practical application of environmental legal principles through role plays, field trips, and exploration of current legal and environmental disputes including controlling mercury



air pollutants, environmental justice, and implementing policies to protect endangered species such as the Atlantic salmon. *Three credit hours.*

**271f Introduction to Ecology** Listed as Biology 271 (q.v.). *Four credit hours.* N. FACULTY

**[281] History of Global Environmental Change** Listed as Science, Technology, and Society 281 (q.v.). *Four credit hours.* H.

**[319] Conservation Biology** Concepts of conservation biology examined in detail. Topics include patterns of diversity and rarity, sensitive habitats, extinction, captive propagation, preserve design, and reclamation of degraded or destroyed ecosystems. Interdisciplinary solutions to the challenges of protecting, maintaining, and restoring biological diversity. Offered in alternate years. *Prerequisite:* Biology 177 or 271. *Four credit hours.*

**334f International Environmental Regimes** The basic instruments of international law and its historical development in addressing international environmental issues, and its role in addressing current environmental problems. The conditions under which states have been able to cooperate to improve the global environment. Topics include negotiation of, compliance with, and effectiveness of international environmental law. *Prerequisite:* Previous or concurrent enrollment in Government 131 and one of Environmental Studies 118, 235, or Economics 231. *Four credit hours.* BOTCHEVA-ANDONOVA

**336s Endangered Species Policy and Practice** Political, social, economic, and cultural issues in the conservation and management of endangered species. Topics include ecosystem management, laws and institutions, human-wildlife conflict, attitudes and ethics, community-based conservation, and complexity. Case studies and interdisciplinary methods and approaches used to conserve endangered species are introduced. *Prerequisite:* Environmental Studies 118 or Biology 271. *Four credit hours.* NYHUS

**338s Climate Change Politics** The politics of climate cooperation across global and local levels. Topics include the role of science and uncertainty in climate change policy, international climate cooperation, national and municipal policies, and the role of non-state actors in shaping responses to climate change. Also issues of climate variability and the ability of societies to cope with climate change, as well as ethical issues related to the costs and benefits of climate change and cooperation. *Prerequisite:* Environmental Studies 118, Government 131, and Economics 231. *Four credit hours.* BOTCHEVA-ANDONOVA

**352s Advanced and Applied Ecology** Listed as Biology 352 (q.v.). *Four credit hours.* FACULTY

**[376] Land and Language** Listed as English 376 (q.v.). *Four credit hours.* L.

**401, 402 Environmental Studies Colloquium** Attendance at selected departmental colloquia during the fall and spring semesters; written evaluations to be submitted. Required of all senior environmental studies majors. *One credit hour for the year.* NYHUS

**[476] Advanced Topics in Environmental Economics** Listed as Economics 476 (q.v.). *Four credit hours.*

**484s Honors in Environmental Policy** The honors project will be an outgrowth of research done during the 400-level course taken in the fall of the senior year. A project proposal should be submitted during the fall semester. *Prerequisite:* Senior standing in the environmental policy major, acceptance into the honors program, and successful completion of the senior seminar. *Four credit hours.* FACULTY

**491f, 492s Independent Study** Independent study devoted to a topic chosen by the student with the approval of the program committee. *Prerequisite:* Senior standing as environmental policy major or environmental studies minor. *One to four credit hours.*  
FACULTY

**493f Environmental Policy Seminar** The seminar focuses both on how to make and how to study environmental policy. It examines issues essential in understanding how environmental policy works and explores these topics in depth through case studies of current environmental policy issues. Students undertake an original research project and work in groups to influence or create local environmental policy. *Prerequisite:* Senior standing as an environmental studies major with a policy concentration. *Four credit hours.*  
NYHUS

## Field Experience, Internship

**-95f, -95j, -96s Field Experience or Internship** Noncurricular experience with direct, demonstrated relationship to the student's curricular program. Credits earned in field experience or internship may be applied toward requirements for a major only with explicit approval of the chair of the major department or program. Nongraded, credit, or no entry. Credit may not exceed three hours in any semester, January, or summer session without advance approval by the Academic Affairs Committee, except for approved programs such as Colby in Washington. *Prerequisite:* A formal proposal filed with the field experience coordinator in the Career Services Office prior to the beginning of the project. Proposals for January Program credit must be submitted by December 1. Proposals for summer credit must be submitted by May 1. *One to three credit hours (zero to three credit hours in January).*

## French

*In the Department of French and Italian.  
Unless otherwise specified, all courses are conducted in French.*

*Chair,* PROFESSOR ARTHUR GREENSPAN (FRENCH)

*Professors Suellen Diaconoff, Greenspan, Jane Moss, Adrianna Paliyenko, and Jonathan Weiss; Assistant Professor André Siamundele; Visiting Assistant Professors Christiane Guillois and Alison Levine*

**Achievement Test:** If a student offers a foreign language for entrance credit and wishes to continue it in college, that student must either have taken the College Board SAT-II test in the language or take the placement test during orientation.

### Requirements for the Major in French Studies

The major in French studies promotes the acquisition of superior language skills while offering an opportunity to explore the richness of French and francophone literatures and cultures. Emphasis is placed on developing the critical and analytical skills that enhance the appreciation of literature and on broadening and deepening students' understanding of values foreign to their own.

Students must successfully complete a minimum of 10 courses in French, beginning at the 200 level, including French 231, 493, and two courses selected from 232, 233, 238, 252. Majors must take at least one course conducted in French each semester. For students returning from foreign study, these courses must be numbered 300 or higher. Potential majors, and especially students beginning their French studies at the 100 level, should consult with the department during the first year to determine the appropriate sequence. One course conducted in English in such departments as Art, Government, and History, in which the principal focus is France or francophone countries, may be counted toward

the major; it must be approved in advance. Majors are required to spend at least one semester studying in a French-speaking country and are strongly encouraged to spend a full academic year. Two semester courses of transfer credit may be counted toward the major for each semester of study away from Colby; students beginning their study of French below the 128 level may petition for more.

The point scale for retention of the major is based on all French courses numbered above 127. No major requirement may be taken satisfactory/unsatisfactory.

### Honors in French

Students majoring in French literature or French studies may apply to write an honors thesis, which counts as one of the 10 courses required for the major. Formal application must be received no later than September 15 of the student's senior year and preferably in the spring of the junior year. Students who successfully complete the honors thesis, including the oral defense, will graduate "With Honors in French."

## Course Offerings

**125fs French I** First in a sequence that develops communication skills in a careful progression over three semesters. In addition to working on the four traditional skills of language acquisition—speaking, comprehension, reading, and writing—students will also be introduced to the cultural contexts of the francophone world. Use of audio and videotaped material is an integral and required part of the classwork. Students are placed in the appropriate level by their score on the College Board French SAT-II test, a placement test during fall orientation, or through consultation with a member of the faculty in French. *Four credit hours.* GREENSPAN, LEVINE

**126fs French II** Second in a sequence that develops communication skills in a careful progression over three semesters. In addition to working on the four traditional skills of language acquisition—speaking, comprehension, reading, and writing—students will also be introduced to the cultural contexts of the francophone world. Use of audio and videotaped material is an integral and required part of the classwork. Students are placed in the appropriate level by their score on the College Board French SAT-II test, a placement test during fall orientation, or through consultation with a member of the faculty in French. *Four credit hours.* GREENSPAN, LEVINE, PALIYENKO

**127fs French III** Third in a sequence that develops communication skills in a careful progression over three semesters. In addition to working on the four traditional skills of language acquisition—speaking, comprehension, reading, and writing—students will also be introduced to the cultural contexts of the francophone world. Use of audio and videotaped material may be an integral and required part of the classwork. Students are placed in the appropriate level by their score on the College Board French SAT-II test, a placement test during fall orientation, or through consultation with a member of the faculty in French. *Four credit hours.* DIACONOFF, GUILLOIS, SIAMUNDELE

**127j French III (Dijon)** Intensive practice in French through a month's stay in beautiful Dijon, France. Students will live with French families and take classes in an 18th-century *hôtel particulier* in the center of the city. Students will study the history and culture of Burgundy, with frequent visits to museums and other points of interest in the city. There will be one weekend overnight excursion in Burgundy (included in program cost) and one long free weekend. Estimated cost: \$1,450. *Prerequisite:* French 126 or a score of 51 or higher on the fall French Placement Test. Instructor will contact students for interviews, if necessary. *Three credit hours.* WEISS

**128fs French IV: Reading in Cultural Contexts** A course that aims to build reading skills and to broaden cultural background through a wide variety of readings in French. The emphasis is on the texts and contexts of culture, whether in France, Quebec, or other francophone areas such as Africa and the Caribbean. There will be continuing work in



improving oral and written skills. *Prerequisite:* French 127. *Four credit hours.* PALIYENKO, SIAMUNDELE

**131s Conversation and Composition** A course designed specifically for students wishing to develop oral skills and acquire an extensive modern vocabulary, with additional practice in writing short, weekly compositions. *Prerequisite:* A score of 60 on the College Board French SAT-II test or its equivalent on the placement test, or French 128. *Four credit hours.* GUILLOIS

**231fs Advanced Grammar and Composition** An advanced language course required of majors and open to others wishing to improve their written expression in French. Intensive grammar review and frequent practice in writing French. *Prerequisite:* French 128 or 131. *Four credit hours.* GREENSPAN, PALIYENKO

**232s Cultural History of France** Examination of the major events and movements in the cultural history of France from the medieval period to World War II, with emphasis on written documents such as laws, manifestoes, letters, and decrees and on such visual documents as maps, monuments, paintings, symbols, film, and photography. Required for French studies majors and recommended for international studies students. *Prerequisite:* French 128. *Four credit hours.* H. WEISS

**233f Contemporary France** Emphasis on the institutions, events, and culture that shape France today, including politics, education, health care, and the justice system and the relationship of each with the lives of French men and women. Daily reference to the news (on television and in the press) will permit the study in depth of important events as they unfold. Required for French studies majors and recommended for international studies students. *Prerequisite:* French 128. *Four credit hours.* LEVINE

**234fs Intensive Spoken French** Exclusively for French majors or students preparing for study in a French-speaking country. Weekly practice in oral French conducted by the French assistant under the direction of a faculty member. Nongraded. *Prerequisite:* Acceptance in a study abroad program in a French-speaking country. *One credit hour.* GERE

**[237] Guadeloupe: Remapping a World** Guadeloupe evokes a world in the French poetic imagination of the 19th century that modern Guadeloupian historians and creative artists are actively remapping. Lessons drawn from geography, history, literature, art, and music shall shape our understanding of how colonial and postcolonial representations of Guadeloupe mutually illuminate issues of language, identity, race, class, and gender. A unique opportunity to experience a francophone Caribbean culture firsthand through excursions and by living with host families. Course work will be conducted in French. Cost in 2004: \$1,900. *Prerequisite:* French 127. *Three credit hours.* L, D.

**238s Introduction to the Francophone World** An introduction to francophone Africa through fiction and film by some of Africa's foremost writers and filmmakers who use the power of narrative in comedy, satire, and drama to comment on society and relations among men, women, and children. Written and visual texts will be supplemented by Internet research on the countries studied including Algeria, Morocco, and Tunisia in North Africa, and Congo, Cameroon, and Senegal in West Africa. *Prerequisite:* French 128. *Four credit hours.* D, I. SIAMUNDELE

**252f Provocative Texts: Worlds Apart** Centering on major themes in culture, an analysis of the ways in which different kinds of texts endeavor to set into play important issues and conflicting values. Significant writing and analysis of the means by which written and visual texts—including short stories and novels, theater, poetry, essays, and film—"speak." *Prerequisite:* French 128. *Four credit hours.* L. PALIYENKO



**[336] French Theater** Theater and its socio-political context through the study of 17th-through 20th-century plays that challenge the established order and through the study of dramatic theory as it relates to the role of theater in society. The course may include the production of a play in French. *Prerequisite:* A 200-level French course. *Four credit hours.* L, I.

**[341] Advanced Spoken and Written French** Intensive practice at the advanced level in the art of effective expression. Emphasis is on grammatical correctness, extending vocabulary, and development of a French style of writing. *Prerequisite:* French 231. *Four credit hours.*

**[351] French-Canadian Literature and Society** Analysis of important literary works from Quebec, focusing on problems of cultural identity, language, and the French-English conflict as seen in contemporary fiction, poetry, theater, and film. Non-French majors may write papers and examinations in English. *Four credit hours.* L, I.

**[353] Francophone Women Writers** The female condition in the francophone world as revealed through fiction, theater, film, essays, and historical documents. The concentration is on women in areas of North Africa, sub-Saharan Africa, the Middle East, and the Antilles that were once French colonies or protectorates. Topics include the role of women in colonial and postcolonial society, how traditional practices affect women's lives (polygamy, genital excision, veiling), issues related to language and education, and women's resistance to colonial and patriarchal power. Non-French majors may write papers and examinations in English. *Four credit hours.* L, D, I.

**356s The Cultural Legacy of 19th-Century France** Diverse artistic and literary representations of private and public life in 19th-century France—from the *mal du siècle* to the *fin-de-siècle*, the sacred to the profane, the domestic to the commercial, the personal to the political, the native to the foreign—provide the framework for a retrospective exploration of the 19th century as it was portrayed, and at the same time challenged, by the creative minds it produced. Non-French majors may write papers and examinations in English. *Four credit hours.* L PALIYENKO

**[357] Women Writers in the Maghreb: Algeria, Morocco, Tunisia** The fiction, cinema, and essays of women articulate a new ideal for the Arab woman that neither imitates Western models nor reflects the Western stereotypes of Muslim societies. Non-French majors may write papers in English. Students of African studies who do not possess advanced French reading skills should see the instructor for special arrangements. *Four credit hours.* L, D, I.

**[358] Passionate Discontent: The 19th-Century Epidemic** A malady of the spirit pervades the cultural imagination of 19th-century France. Through close examination of intersecting literary, artistic, and medical treatments of *le mal du siècle*, a study of how passionate discontent, which inspired the Romantic generation, becomes a "female" malady—a sign of degeneration. Topics of analysis will include neurasthenia or depression, sadomasochism, hysteria, and the gender of disease. Non-French majors may write papers and examinations in English. *Four credit hours.* L, D.

**372s France and Africa** A comparison of how francophone Africa and Africans are represented by French authors, and how francophone African writers consider France. These cultural and ethnic perspectives will be examined through the study of historical documents, critical analyses, films, and literary texts. Topics include colonization, the struggle for independence, immigration, and popular culture. Non-French majors may elect to write papers and do exams in English. *Four credit hours.* L SIAMUNDELE

**397Af 20th-Century French Narrative** An examination of the works of the great intellectual French filmmakers and novelists of the 20th century (including Renoir, Godard, Resnais, Camus, Sarraute, Beckett), as they move from a classical time-space storyline to exploded forms of the narrative in their attempt to deal with the profound complexities of human experience. Non-French majors may do written work in English. *Four credit hours.*  
L. GREENSPAN

**397Bf French Culture and Politics, 1918-1944** The cultural and political history of France from the freedom of new forms of art and literature in the 1920s to the conformity of the fascist-style "national revolution" of the Pétain government of the early 1940s. Phenomena such as immigration, socialism, and anti-Semitism will be studied within the context of a Europe divided between right and left. Coordinated with History 397B, which studies a similar phenomenon in German history; students may not register for both. Non-French majors may write papers and examinations in English. *Four credit hours.* WEISS

**398s The Short Story** What makes a great short story and what are the creative choices and literary techniques that writers practice in their art of the "short take"? Texts from both the classic and modern traditions of France and the francophone world of North Africa, the Caribbean, and sub-Saharan Africa. Written work will include the choice of writing an original short story or creating the critical apparatus for a collection of the student's choosing. Non-French majors may do written work in English. *Four credit hours.*  
L. DIACONOFF

**[412] Stylistics** Through exercises in translation and discussion of selected English-American texts to French (*thèmes*) and French to American texts (*versions*), this hands-on course aims to sensitize the advanced student to the various styles, intricacies, and nuances particular to both languages. *Prerequisite:* French 231 and upper-level work in French. *Four credit hours.*

**483f, 484js Senior Honors Thesis** The senior honors thesis will be undertaken in addition to all required courses for the major; it does not replace any part of the major. The thesis, written in French, is to be a substantial study of a carefully defined topic in literature or area studies supported by critical sources. *Prerequisite:* A 3.5 or higher major average at the end of the junior year and permission of the department. *Two credit hours.* FACULTY

**491f, 492s Independent Study** Individual projects in areas where the student has demonstrated the interest and competence necessary for independent work. *Prerequisite:* Permission of the instructor. *Two to four credit hours.* FACULTY

**493f La France imaginée** An integrating experience required for senior French majors, allowing students, through the choice of a particular theme, to synthesize and coordinate both their academic work in the major and their experiences in French-speaking countries. The theme for 2004 is "La France imaginée": a study of representations of France in fiction and nonfiction. Readings will be supplemented with film. Students will be required to produce a critical or creative work based on their readings and their experiences in a French-speaking country. *Four credit hours.* WEISS

**497f French Writing Practicum** An advanced writing workshop for senior French studies majors with major emphasis on clarity, organization, and correct expression in the development of ideas. Group discussion geared to assignments that will culminate in the senior seminar paper and opportunity for individualized work on writing in French. *Prerequisite:* Senior standing as a French studies major. *One credit hour.* GERE

# Geology

*Chair*, PROFESSOR ROBERT GASTALDO

*Professors Donald Allen, Gastaldo, and Robert Nelson; Assistant Professor Jennifer Shosa; Visiting Assistant Professor Bruce Rueger*

If you are interested in Earth—how it developed its present features and what may happen to it in the future, how it functions as a complex physical and chemical system and why we should care, where life originated and how and why our planet supports us, how the environment works, and how what we do affects the world around us—a major in geology is what you are looking for.

The Department of Geology possesses extensive rock, mineral, and fossil collections as a basis from which to investigate Earth, a state-of-the-art powder X-ray diffractometer for determining mineral identities, various geophysical instruments, research-grade stereo and petrographic microscopes, a new Logitech-equipped rock preparation and thin-sectioning laboratory, and one of the College's two scanning electron microscopes equipped with Energy Dispersive X-ray Fluorescence, as well as specialized equipment for student and faculty research. Additional research equipment, shared with other departments in the Division of Natural Sciences, includes a C,H,N,O Analyzer and a research boat equipped with an array of instrumentation from which real-time environmental analyses and studies can be conducted.

Colby's setting provides an intriguing and exciting area for field study, allowing students to integrate field and laboratory experiences. Students are encouraged to work on independent and honors projects in which they develop ways of actively examining and interpreting observational data. Majors are expected to undertake and complete independent research as part of their undergraduate training.

Fieldwork is an integral part of many courses and introduces students to many aspects of local and regional geology. Multi-day off-campus trips also are scheduled regularly to localities and areas of particular geologic interest, such as the Hartford Basin of Connecticut, the Mohawk Valley or Catskill Mountains of New York, the classic Joggins and Brule localities in Nova Scotia, and Late Paleozoic rocks of New Brunswick.

The department offers two major programs and a minor for students with different interests. The point scale for retention of the major applies to all courses taken in the major; no requirement may be taken satisfactory/unsatisfactory. Students should consult regularly with their advisor in selecting courses appropriate for meeting their goals of post-graduation employment or graduate studies.

## **Requirements for the Major in Geoscience**

Geology 131 or 141, 142; four fundamental core courses that include 225, 231, 251, and 254; two geology elective courses (one of which may be a 200-level or higher course in mathematics, physics, chemistry, or biology), three credits of Geology 391, and at least three hours of independent study (491, 492, or 493); Mathematics 122; Chemistry 141; and one additional laboratory science course in chemistry, biology, or physics.

## **Requirements for the Major in Geology**

This curriculum is designed for those students interested pursuing a pre-professional degree program. The requirements are Geology 131 or 141, 142; four core courses that include 225, 231, 251, and 254; four Geology elective courses (one of which may be a 200-level or higher course in mathematics, physics, chemistry, or biology), three credits of Geology 391, and at least six hours of independent study (491, 492, or 493); Chemistry 141; one two-semester sequence of chemistry, physics, or biology; Mathematics 122.

Students should consult one of the major advisors in the first and second years regarding election of languages and other required courses.

## **Requirements for Honors in Geology**

This program involves a substantial research component in the student's senior year, with no fewer than six hours of credit elected in research activities. The Honors Program involves presentation of a research proposal to a faculty committee early in the fall semester,



the submission of a mid-term progress report, and the draft of introductory sections before January. Satisfactory progress will result in Geology 483 credit and allow the student to register for Geology 484. Successful completion of an honors research project, and the major, will enable the student to graduate "With Honors in Geology." Students who wish to pursue a more intensive research agenda should consider the Senior Scholars Program.

### **Requirements for the Minor in Geology**

A minor in geology is available to students majoring in other disciplines who also desire an introductory understanding of the geosciences. Minor programs will be tailored to the needs of individual students; course selection should be done *only* after consultation with the minor advisor. Requirements are Geology 131 or 141, 142, and five courses selected from Chemistry 141, Physics 141, and geology courses numbered 225 and above.

## **Course Offerings**

**131f Introduction to Environmental Geology** Environmental issues considered from a geological perspective: geologic controls of human activities and the impact of humans on natural geologic processes. Major topics of discussion include geologic processes and hazards, natural resources and resource exploitation, land-use planning and geological engineering, waste management and pollution, and potential solutions to environmental problems. Lecture and laboratory; laboratories include mandatory field trips, including an all-day weekend trip to the Maine coast. Gateway to geology major; credit will not be given for both Geology 131 and Geology 141. *Four credit hours.* N. SHOSA

**141fs Physical Processes of Planet Earth** The study of the Earth as a physical environment. Includes study of the composition of earth materials and the processes that have produced and continue to modify the modern Earth, from plate tectonics and volcanoes to streams and glaciation. Lecture and laboratory; laboratories include mandatory field trips, including an all-day weekend trip to the Maine coast. Gateway to geology major; credit will not be given for both Geology 131 and Geology 141. *Four credit hours.* N. NELSON

**142s Deciphering Earth History** Within the crustal rocks of planet Earth is the evidence that can be used to understand the patterns and processes that have shaped the world we know. The course is designed to investigate the physical and biological patterns and processes that can be deciphered from Earth's historical record, as well as the impact these have had on the evolution of the planet over the past 4.6 billion years. The focus is on North America, but global-scale Earth systems are included. Lecture and laboratory; laboratory includes a two-week project at the end of the semester. *Prerequisite:* Geology 141. *Four credit hours.* N. INSTRUCTOR

**[151] Introduction to Volcanoes and Volcanology** An introduction to the scientific study of volcanoes and volcanic phenomena; includes an introduction to global plate tectonics, origins and chemistry of magmas and volcanic gases, reasons for differing eruptive styles and the resulting landforms, impacts of volcanic eruptions, distribution of volcanoes, and areas of high volcanic risk. Cannot be counted toward the geology major. *Three credit hours.* N.

**[171] Oceanography** A multidisciplinary introduction to the oceans and their basins addressing chemical, geological, and physical ocean processes and their effect on organisms and ecosystems and culminating in an assessment of current economic and environmental issues in oceanography. Cannot be counted toward the geology major. *Three credit hours.* N.

**[179] Geology of Bermuda** An introduction to the geology of an island environment created solely from calcium carbonate remains of marine organisms; introduction to carbonate-secreting organisms, sedimentation, and reworking of carbonate grains into



secondary geologic environments. Lecture and laboratory, with course work at Colby and an extended field excursion in Bermuda. Cost in 2004: \$1,770. *Prerequisite:* Geology 131 or 141. *Three credit hours.*

**225f Mineralogy** Physical properties and chemical structure of minerals leading to investigation of the chemical composition and optical properties of minerals. Lecture and laboratory. *Prerequisite:* Geology 141, Chemistry 141 (may be taken concurrently). *Four credit hours.* ALLEN

**231f Structural Geology** Processes and results of deformation of rocks, including stress and strain, faults, folds, joints, and rock fabrics. Formerly listed as Geology 331. *Prerequisite:* Geology 142. *Four credit hours.* SHOSA

**251f The Record of Life on Earth** The biological record of Earth history encompasses unicellular to multicellular organisms that have inhabited non-analogue worlds. The course examines the processes responsible for preservation of marine and terrestrial biota, the application of the fossil record to solving problems in evolution and diversity, morphology and systematics, and ecology and climatology. Lecture and laboratory. *Prerequisite:* Geology 142 or one year of biology. *Four credit hours.* GASTALDO

**254s Principles of Geomorphology** The origin, history, and classification of landforms and the processes that shape the Earth's surface. Emphasis on study of physical processes. Lecture and laboratory; laboratory focus is on aerial photograph and topographic map interpretation, ability to recognize geologic significance of particular landforms. At least one all-day field trip required. Formerly listed as Geology 351. *Prerequisite:* Geology 142; students completing only Geology 141 with a grade of B or better will be admitted but should consult with instructor prior to registration. *Four credit hours.* NELSON

**326s Optical Mineralogy** A continuation of the study of minerals utilizing their optical properties, as studied by petrographic microscope analysis of thin sections and X-ray powder diffraction techniques. Formerly listed as Geology 226. *Prerequisite:* Geology 225. *Four credit hours.* ALLEN

**[332] Igneous and Metamorphic Petrology** Structured as a continuation of Geology 231. Hand-specimen and thin-section examination of igneous and metamorphic rocks to determine structure, composition, and origin. Lecture and laboratory. *Prerequisite:* Geology 326. *Four credit hours.*

**353s Groundwater Hydrology** A survey of the hydrologic cycle, with specific attention to those components of the cycle related to the sources and occurrence of groundwater resources; the factors that govern the movement of groundwater through aquifers and the physical and chemical changes that result from passage through the hydrologic cycle. An introduction to techniques used in groundwater quantity and quality investigations. Lecture and laboratory. *Prerequisite:* Geology 141, 142 and Mathematics 121 or 161. *Four credit hours.* SHOSA

**[354] Glacial and Quaternary Geology** The origin and development of glaciers and their influence on the landscape, both as erosive forces and as transporters of earth materials. Geological and biological evolution of the landscape during the Quaternary, the most recent of the geological periods. Lecture and laboratory with field trips (including two required all-day Saturday trips). *Prerequisite:* Geology 142. *Four credit hours.*

**[356] Sedimentation and Stratigraphy** A course covering the processes of sedimentation, methods of analysis of sediments, interpretation of depositional environments, classification and description of sedimentary rocks, and study of the relationships and correlation of sedimentary rocks. Lecture and laboratory. *Prerequisite:* Geology 225. *Four credit hours.*

**372f Quaternary Paleoecology** Reconstruction of biological environments on land for the recent geologic past, based on the fossil remains of plants and animals preserved in sediments. Emphasis on the use of pollen in reconstructing past vegetation types, but other groups of organisms and what they can tell about past environments are included. Extrapolation of past climatic parameters from the biological data. Lecture and laboratory. *Prerequisite:* Geology 142 and Chemistry 141; Geology 251 or Biology 271 is recommended. *Four credit hours.* NELSON

**374f Ore Deposits** An investigation of the genesis and localization of ore deposits. Topics may include the history of mineral deposits, materials, and formation of ore deposits, supergene sulfide enrichment, paragenesis and zoning, epigenetic versus syngenetic deposits, magmatic segregation deposits, and mineral deposits related to regional tectonic environments. Some Saturday field trips may be required. *Prerequisite:* Geology 225. *Four credit hours.* ALLEN

**391fs Geology Seminar** Paper discussions and presentations from invited guest lecturers on topics of current interest in all areas of the geosciences. Majors must complete three seminars during their course of study. Nongraded. *One credit hour.* GASTALDO

**483f, 484s Senior Honors Project** Research conducted under the guidance of a faculty member and focused on an approved topic leading to the writing of an honors thesis and an oral presentation of the research results. *Prerequisite:* Senior standing as a geology major and permission of the department chair. *Three or four credit hours.* FACULTY

**491f, 492s Independent Study** Field and laboratory problems in geology or environmental geology, with final written report (see requirements for Honors in Geology option) and formal presentation in a professional context. Students should consult with major advisors in the spring of their junior year. *Prerequisite:* Permission of the instructor. *One to four credit hours.* FACULTY

**[493] Problems in the Geosciences** An introduction to approaches and methodologies in the geosciences based on an original research project chosen by the instructor. Geological techniques and analyses will be presented through lectures, discussions, laboratories, and guest presentations. Project results will be presented orally either within the department or at a professional meeting. *Four credit hours.*

## German

*In the Department of German and Russian.  
Unless otherwise specified, all courses are conducted in German.*

*Chair, ASSOCIATE PROFESSOR URSULA REIDEL-SCHREWE (GERMAN)*

*Associate Professors James McIntyre and Reidel-Schrewe; Assistant Professor Maria Morrison; Language Assistant Sophie Schieler*

*Achievement Test:* An entering student seeking credit for a foreign language must either have taken the College Board SAT-II test in the language or take the Colby language placement test during orientation before the beginning of classes in the fall.

The German program emphasizes the acquisition of a solid knowledge of the German language as the basis for the study of the literature and culture of the German-speaking countries. To this aim, unless otherwise noted, all courses are taught in German as students continue to hone their skills in reading, writing, speaking, and listening. Upper-level courses provide training in literary analysis and critical thinking and offer further insight into the rich literature and culture of Germany, Austria, and Switzerland.

Majors in German are *encouraged* to study their entire junior year in a German-speaking country; they are *expected* to spend at least one semester abroad. Study abroad options include approved programs in Berlin, Munich, Freiburg, Regensburg, Tübingen, and Vienna. The German faculty welcomes inquiries from students regarding the different programs and the one-semester and full-year options.

Two majors are open to students interested in German language, culture, and history. Students may pursue a traditional major in German language and literature or may opt for the interdisciplinary field of German studies. Both majors provide preparation for students who wish to pursue German-related grant opportunities, employment in international companies and organizations, or careers in government or academics.

### **Requirements for the Major in German Language and Literature**

Students who choose to major in German language and literature will broaden their knowledge of German literary and cultural history as well as their understanding of theories of genre—from poetry and prose to drama and film.

To fulfill the major, students must complete nine semester courses in German numbered above German 126, of which two courses must be at the 300 level and one must be at the 400 level. Courses taken abroad and approved by the German faculty count toward the major.

### **Requirements for the Major in German Studies**

The major in German studies offers an interdisciplinary approach to the study of the German-speaking countries. While proficiency in the German language is still emphasized, relevant courses taken outside the German program will broaden students' understanding of the formation of cultural identity and of the larger geo-political role of Germany in the world.

To fulfill the major in German studies, students must complete nine semester courses: six courses in German above German 126 and three additional courses chosen from the German curriculum, taken abroad, or from courses with a substantial German component in other departments. Students must take at least one course in German at the 300 level and one course in German or another department at the 400 level. The following courses are approved for the major in German studies:

<i>English</i>	493	Seminar: Franz Kafka
<i>Government</i>	257	Politics and Government of West Europe
	262	German Unification
	354	The European Union
<i>History</i>	111	Europe from late Antiquity to 1618
	112	Survey of Modern Europe
	182	Jewish History II
	215	Heresy, Humanism, and Reform
	223	European Politics, Culture, and Thought, 1789-1914
	224	Germany and Europe, 1871-1945
	322	Europe and the Second World War
	397	German Culture and Politics between the World Wars
	421	Debating the Nazi Past
<i>Music</i>	242	Music History II
	258	In Search of Bach
<i>Philosophy</i>	314	Karl Marx and Marxist Philosophical Thought
	359	19th-Century Philosophy
<i>Psychology</i>	171	Psychology of Nazi Germany

The following statements also apply:

- (1) The point scale for retention of both majors is based on all required and approved courses numbered above German 126.
- (2) No major requirement may be taken satisfactory/unsatisfactory.
- (3) Transfer of credits for courses from other institutions, including study abroad, will be evaluated by the major advisor in German on an individual basis.
- (4) All majors must take at least one course in German approved by the major advisor each semester until graduation.

**Teacher Certification:** Students desiring certification for teaching German should consult the faculty in German and in the Education Program.



## Course Offerings

**125f Elementary German I** Basic comprehensive course for students with little or no previous knowledge of German. Development of all four skills: listening, speaking, reading, and writing. Introduction to contemporary life in the German-speaking countries. Audio and video material accompanies textbook instruction; exercises in the Language Resource Center may be part of daily preparation. *Four credit hours.* REIDEL-SCHREWE

**126s Elementary German II** Basic comprehensive course for students with little or no previous knowledge of German. Development of all four skills: listening, speaking, reading, and writing. Introduction to contemporary life in the German-speaking countries. Audio and video material accompanies textbook instruction; exercises in the Language Resource Center may be part of daily preparation. *Prerequisite:* German 125. *Four credit hours.* MCINTYRE

**127f Intermediate German I** Continued practice in speaking and listening skills; grammar review; readings and conversation based on topics from German literature; emphasis on the practical use of the language. *Prerequisite:* German 126 or appropriate score on the College Board German SAT-II test. *Four credit hours.* MORRISON

**128s Intermediate German II** Written and oral exercises will focus on the formation of correct, idiomatic structures. Increased emphasis on listening as a corollary of speaking. Literary and cultural readings of increasing length will be used as the basis for discussion and writing assignments. *Prerequisite:* German 127. *Four credit hours.* MORRISON

**129f Conversation Group** Review of basic vocabulary and practice in speaking for students at the elementary level. A variety of written and visual materials from everyday life in Germany will be employed to stimulate conversation. Does not count toward the language requirement or the majors/minor in German. *Prerequisite:* German 126. Nongraded. *One credit hour.* SCHIELER

**130s Conversation Group** A variety of written and visual materials will be employed to stimulate conversation and review practical vocabulary for students seeking to retain and reinforce their language skills. Does not count toward the language requirement or the majors/minor in German. *Prerequisite:* German 127. Nongraded. *One credit hour.* SCHIELER

**[131] Conversation and Composition** Emphasis on oral expression and facility in writing. Vocabulary building through reading and discussion of short texts. *Prerequisite:* German 128. *Four credit hours.*

**[132] German Language and Culture in Konstanz, Germany** Intensive language and culture study at the Humboldt-Gymnasium in Konstanz, Southern Germany. Daily language instruction by director, reading and discussion of texts relevant to the cultural environment, and participation in regular German Gymnasium classes. Excursions to historical landmarks, such as the St. Gallen monastery in Switzerland and the Romanesque churches on the island Reichenau in the Lake of Constance, are an integral part of the program. Students live with German families. *Prerequisite:* German 127 and permission of the instructor. *Three credit hours.*

**[135] Introduction to German Literature** Introduction to the history of German literature and to the theories of genres. Critical reading and discussion of prose, poetry, and plays by authors representative of their period. Continued practice in conversation and composition. *Prerequisite:* German 128 or equivalent. *Four credit hours.* L.



**[231] Advanced German** Comprehensive review of all aspects of German grammar with attention to specific grammatical problems and usage of a more specific vocabulary. Close reading of short texts; practice in free composition and writing on directed themes. *Prerequisite:* German 131 or 135. *Four credit hours.*

**232f Survey of German Culture** From the Middle Ages to the Weimar Republic, the course deals chronologically with the major trends in German history and culture as reflected in literature, art, music, and philosophy. Reading of German expository prose, accompanied by documentary texts and short films. Students contribute through reports and improvised dialogues. *Prerequisite:* German 135. *Four credit hours.* REIDEL-SCHREWE

**[234] Post-War German Culture in Literature and Film** The German concept of *Heimat* ("Homeland") in literature and film. Viewing and critical analysis of the TV series *Heimat* (1984) by the renowned filmmaker Edgar Reitz. Reading and discussion of historical documents and literary texts that deal with national identity and its breakdown after World War II. Continued practice in conversation; transition to more formal writing. *Prerequisite:* German 135. *Four credit hours.*

**237s The German Fairy Tale in Popular Culture** Fairy tales permeate our culture on every level; they shape how we think about ourselves and the world around us. The role of the fairy tale in the construction of culture, examining traditional tales and their reincarnation in advertisements, comics, literature, art, and film. How the fairy tale has changed and how these changes reflect social, political, economic, and cultural concerns. Conducted in English; no knowledge of German required. *Four credit hours.* L. MORRISON

**330s Current Topics** Practice in reading and discussion for students at the advanced level. Source materials include newspaper and magazine articles, recent German films, television broadcasts, and the Internet. Does not count toward the language requirement or the majors/minor in German. *Prerequisite:* German 131. Nongraded. *One credit hour.* SCHIELER

**[333] Contemporary Germany** Germany's political, socioeconomic, and cultural landscape as revealed by German Web sites. Topics include political geography, population, government, European integration, and German-American enterprises, as well as education, the media, and the arts. Discussion of issues such as disparities after unification, the integration of foreigners, the social security system, similarities and differences with the U.S., traditional values, and fragmentation of national identity. *Prerequisite:* A 200-level German course. *Four credit hours.*

**358f 20th-Century German Drama** Reading and discussion of plays by Gerhart Hauptmann, Frank Wedekind, Arthur Schnitzler, Georg Kaiser, Bertolt Brecht, and Friedrich Dürrenmatt. *Four credit hours.* L. MORRISON

**491f, 492s Independent Study** Individual projects in areas where the student has demonstrated the interest and competence necessary for independent work. *Prerequisite:* Permission of the instructor. *Two to four credit hours.* FACULTY

**493s Seminar: German Literature** Topics may cover an author, a genre, a literary theme or movement. Spring 2005: topic to be announced. *Prerequisite:* A 200-level German course. *Four credit hours.* REIDEL-SCHREWE

# Government

*Chair*, PROFESSOR GUILAIN DENOEU

*Professors Anthony Corrado, Denoeux, G. Calvin Mackenzie, L. Sandy Maisel, and Kenneth Rodman; Associate Professors Joseph Reiser and Jennifer Yoder; Assistant Professors Ariel Armony, Liliana Botcheva-Andonova, and Walter Hatch; Visiting Assistant Professor Patrick McGuinn*

The Department of Government offers a wide range of courses in American government and politics, comparative government and politics, international politics, political theory, environmental politics, and research methods and quantitative analysis. The departmental goals include exposing students to a variety of forms of governments and intergovernmental activities and to the means for studying governments and their actions.

## Requirements for the Major in Government

Fulfillment of the government major requires successful completion of 10 courses in government, including: Government 111, 131, 151, and 171; a 400-level senior seminar; at least five other government courses; and a writing project meeting the department's guidelines. Government majors should complete all four of the 100-level courses by the end of their sophomore year.

Among the courses counted toward the government major, the four 100-level courses, the 400-level course, and the writing assignment must be taken at Colby, and at least three 200- or 300-level courses (not internships and independent studies) must be taken at Colby or be taught by Colby, Bates, or Bowdoin faculty in CBB programs abroad. Courses transferred from other institutions and/or field experience courses can count (up to a maximum of two) in the 10-course requirement. For transfer students, the department will count up to five courses from the previous institution with the permission of the department chair, excluding the seminar and writing assignment. Students taking government courses abroad *must* secure provisional approval for each course *prior* to leaving; upon return to Colby, brief descriptions of work completed must be submitted to the department for final approval. No government major may take any government course satisfactory/unsatisfactory. No requirement for the government major may be waived—for completion of an Advanced Placement course or examination or any other reason—without written permission of the department chair.

## Honors in Government

For those students who intend to pursue the study of government in more depth, the department offers an honors program that emphasizes substantial independent research under the close guidance of one or two members of the faculty. Students majoring in government may apply during their junior year for admission to the honors program. To be eligible for honors, students need a 3.50 GPA in the major or permission of the department. Eligible students must have completed Government 281 prior to the senior year. Students contemplating spending the spring semester of their junior year abroad should take the research methods course in the sophomore year. Successful completion of this program and of the major will result in the degree being awarded "With Honors in Government."

Government 100- and 200-level courses are normally limited to 45 students, 300-level courses to 30 students, and 400-level courses to 12 students.

Internships are encouraged so that students can experience the practical as well as the more theoretical aspects of the field. Attention is called especially to the Colby in Washington Semester Program.

## Course Offerings

**111fs Introduction to American Government and Politics** How does the American government work? An examination of the relationships among American values, politics, government institutions, and public policy. Priority to first-year students; open to others majoring in government with permission of the instructor. *Four credit hours.* S, U. MAISEL, MCGUTNN

**131fs Introduction to International Relations** An introduction to the major issues within the field of international relations and the theoretical approaches that have been developed to understand these issues. *Four credit hours.* S. BOTCHEVA-ANDONOVA, HATCH, RODMAN

**151fs Comparative Politics: An Introduction to Politics Outside the United States** A comparative analysis of politics in liberal democracies, communist and post-communist political systems, and developing countries. Important concepts in the field of comparative politics are introduced. The overriding theme is that of democracy and the challenges of democratization. *Four credit hours.* S, D, I. ARMONY, DENOEX

**171s Introduction to Political Theory** A discussion of the basic terms, concepts, and principles of modern political science, with particular focus on modern liberalism and its critics. Topics include sovereignty, individual rights, equality, nationalism, socialism, and revolution. Readings from Hobbes, Locke, Rousseau, Mill, Burke, Marx, and others. *Four credit hours.* S, I. REISERT

**210s Interest Group Politics** Organized interests have always been an important constituent of American political life. How have changes in government and electoral politics affected the role of interest groups? Are these groups an essential aspect of good government? Do they exert too much influence in modern politics? An examination of the activities of interest groups in American politics, including their formation, behavior, and evolution in recent decades. Formerly offered as Government 310. *Prerequisite:* Government 111. *Four credit hours.* CORRADO

**[211] The American Presidency** The organization, powers, and actions of the executive branch of the American government examined in historical and contemporary perspective. *Prerequisite:* Government 111. *Four credit hours.* U.

**[212] The American Congress** The Congress is the "first branch" of the American national government, but most of us know little about it. The course will focus on elections to Congress and the functioning of the modern Congress. *Prerequisite:* Government 111. *Four credit hours.* U.

**[213] United States Senate Simulation** A month-long simulation of how the United States Senate, particularly in its committee system, functions. Students are assigned the role of actual senators, executive branch officials, interest group representatives, and members of the media. Students will then "play" their roles throughout the policy-making process. Open to all classes. *Three credit hours.* S.

**214f Parties and the Electoral Process** An analysis of partisan politics and elections in the United States, emphasizing the role of parties and dealing with candidates, their staffs, the electorate, and the media. *Prerequisite:* Government 111. *Four credit hours.* MAISEL

**[231] United States Foreign Policy: The Cold War** An analysis of the major events facing the United States during the Cold War and the controversies surrounding them. Academic and policy debates over national security doctrines, the proper place of ideology in foreign policy, the role of economic factors, and domestic political institutions. Topics include the origin of the Cold War, nuclear weapons strategy, the Vietnam War, containment and detente, and the end of the Cold War. *Prerequisite:* Government 131. *Four credit hours.*

**[232] United States Foreign Policy II: After the Cold War** Foreign policy issues confronting the United States in the post-Cold War environment. The impact of the end of the Cold War on American definitions of national security and the prospects for international cooperation. *Prerequisite:* Government 131. *Four credit hours.*



**[233] International Relations in East Asia** An introduction to the evolution of the international order, distribution of power, and security concerns in Asia-Pacific. The great power competition (China, Japan, the United States, and the Soviet Union) in the vast region. Case studies include the Sino-Japanese War, the Russo-Japanese War, the Pacific War, the Korean War, the United States-Vietnam War, and the Sino-Vietnam War. The changing international relations in the post-Cold War era. *Prerequisite:* Government 131 or 151. *Four credit hours.* **D.**

**[235] Sustainable Development** Listed as Environmental Studies 235 (q.v.). *Four credit hours.*

**237s Justice and War** An examination of scholarly controversies surrounding the issue of when war and the means of waging it are considered legitimate. Among the cases covered are the Persian Gulf War, humanitarian intervention in Bosnia, Hiroshima, the ethics of nuclear deterrence, guerrilla warfare, terrorism, the question of whether the Nuremberg precedent in trying war criminals can be extended to contemporary conflicts in South Africa, Rwanda, Yugoslavia, and Cambodia. *Four credit hours.* **S, I.** RODMAN

**238f Politics of War Crime Tribunals** An examination of attempts to establish criminal accountability over genocide, war crimes, and crimes against humanity, from the Nuremberg and Tokyo tribunals at the end of World War II through the recent controversies over the International Criminal Court. The central questions posed in the class are (1) whether international laws and institutions can end impunity for those leaders and soldiers who violate international humanitarian law, and (2) how considerations of politics influence decisions about international justice. Academic and legal analysis will be combined with simulated court proceedings, such as the trial of Milosevic at the Hague, the Pinochet extradition hearings in the U.K., and the question of whether the Geneva Conventions apply to Taliban and Al Qaeda prisoners captured during the war in Afghanistan. *Four credit hours.* **S.** RODMAN

**251j Israelis and Palestinians: Conflict and Accommodation** The roots and the evolution of the conflict between Israelis and Palestinians. Themes include the origins of Zionism and Palestinian nationalism; the British mandate over Palestine; the creation of Israel and the birth of the Palestinian refugee problem; the Arab-Israeli wars; stereotyping and prejudices; the intifada and its impact on the conflict; the origins, content, and significance of the September 1993 agreement between PLO leader Yasir Arafat and Israeli Prime Minister Yitzhak Rabin; the September 1995 Oslo II agreement; and the "Peace Process" since the election of Benjamin Netanyahu as prime minister of Israel. Scholarly analyses and firsthand accounts, essays, and documentaries depicting the attitudes and emotions that have sustained the conflict between Arabs and Jews in the Palestine-Israel region throughout the 20th century. *Three credit hours.* **S, D, I.** DENOEU

**252s Politics of the Middle East** An introduction to the internal politics of Middle Eastern countries, centering on the two main forces that currently play themselves out in this region: the intertwining of religion and politics, and the growing tension between the authoritarian nature of Arab regimes and increasing popular pressures for democratization. The origins of modern Arab states, the challenges of modernization and political development, leadership styles, strategies of political control, and the politics of economic and political liberalization. *Prerequisite:* Government 151. *Four credit hours.* **D, I.** DENOEU

**253f Latin American Politics** An introduction to major political institutions, actors, and processes in the region as well as some key concepts and controversies affecting discussions of Latin America today. Specifically, an effort to find answers to the following questions: 1) What are the sources of political instability in Latin America? 2) What are the basic patterns of state-society interaction in the region? 3) Is it possible to "make democracy work" in Latin America? *Prerequisite:* Government 151. *Four credit hours.* **D, I.** ARMONY



**[254] Latin American Politics in Film** The study of Latin American politics approached from a fresh and creative perspective. An introduction to major political topics in Latin America through the interrelated analysis of feature films and readings. Films are in English or Spanish/Portuguese with subtitles. Topics include human rights, social movements, discrimination, and political violence. *Three credit hours.* S, D, I.

**[255] Introduction to Chinese Politics** The political system of China since 1949, including political institutions, the policy-making process, political culture, and the relationship between state and society. The main focus is on the post-Mao era reforms beginning in 1978. *Prerequisite:* Government 151. *Four credit hours.* D, I.

**[257] Introduction to the Politics and Government of West Europe** An examination of the development of Western European forms of democratic governance, particularly in France, Germany, Italy, and Great Britain. Political cultures and institutions in contrasting national settings and implications of the European integration process for democracy in Western Europe. *Prerequisite:* Government 151. *Four credit hours.* I.

**258f Introduction to the Politics and Government of Eastern Europe** An investigation of the political, cultural, and institutional legacies of Soviet-style communism in Eastern Europe today. The course briefly examines the rise and fall of communism in the region and then analyzes the political, economic, and social transformation processes underway in several cases. Consideration of Western influences on the public policies of post-communist countries, and implications for the integration of Eastern and Western Europe. *Prerequisite:* Government 151. *Four credit hours.* I. YODER

**261s Japanese Politics** A study of competing (and cooperating) actors in the domestic political system, focusing on dominant interest groups and emerging challengers. Also, an examination of the foreign policy of the only non-Western nation in the Group of Eight. *Prerequisite:* Government 151. *Four credit hours.* D, I. HATCH

**[262] German Unification and the Challenges of West-East Integration** A look at the institutional and cultural integration of the two German states since their formal unification in 1990. The course will use relevant texts, novels, and films to examine the political, economic, and social dimensions of the merger. *Prerequisite:* Government 151. *Three credit hours.*

**[263] The Balkan Crisis** The nature of political and ethno-cultural tensions during the transition to pluralism in Southeastern Europe. Nationalism considered as the main successor ideology to communism; films and novels studied to better understand the dynamics of political cultures in the region. *Prerequisite:* Government 151. *Three credit hours.* I.

**271s Classical Political Theory** A survey covering major works by Sophocles, Plato, Aristotle, Cicero, and Augustine and their varied understandings of justice, the design of the best regime, the relation of human nature to the shape of political institutions, the limits of human knowledge, the obligations of citizenship, the relation between political theory and political practice, as well as the role of religion and philosophy in defining a political order. *Prerequisite:* Government 171. *Four credit hours.* I. REISERT

**[272] Modern Political Theory** A survey of major works by Machiavelli, Hobbes, Locke, Rousseau, Kant, Hegel, and Nietzsche. Modern understanding of the social contract, the individual, and the state; psychology; religion and politics; knowledge and political power; and the definition of freedom. A continuation of political theory building upon, but not requiring, Government 271. *Prerequisite:* Government 171. *Four credit hours.* I.

**[273] American Political Thought** A survey of the fundamental principles of American political thought as presented in primary source documents and writings. General themes include the notion of republican government, the concepts of liberty and equality, the role of commerce in a democratic society, and the foundations of social justice. *Prerequisite:* Government 111. *Four credit hours.*

**281s Introduction to Research Methods for Political Science** An examination of the research methods used by political scientists, with emphasis on understanding the relationships among political variables and on designing research projects to explore those relationships, using basic tools of both quantitative and qualitative analysis. Required for the honors program. *Prerequisite:* Permission of the instructor. *Four credit hours.* Q. MCGUINN

**297j The Politics of Education Policy: 50 Years After Brown** *Three credit hours.* S. MCGUINN

**[313] Constitutional Law I: Federalism** An examination of major themes in American constitutional law, focusing on the period from the founding to the New Deal. Topics include constitutional interpretation and judicial review, the role of an independent judiciary, the structure and powers of the national government, and the rise and fall of substantive due process and economic rights. Readings of major U.S. Supreme Court decisions and related documents. *Prerequisite:* Government 111. *Four credit hours.* U.

**[314] Constitutional Law II: Individual Rights** Legal, moral, and political controversies involving the Bill of Rights and the 14th Amendment. Particular attention to the period from the New Deal to the present. Cases examined deal with freedom of expression; the "right of privacy" and protections for contraception, abortion, and homosexuality; and affirmative action and the status of women and minorities under the law. Readings of major U.S. Supreme Court cases and related works of moral and political philosophy. A continuation of constitutional law building upon, but not requiring, Government 313. *Prerequisite:* Government 111. *Four credit hours.* U.

**[317] The Policy-Making Process** The policy-making process, including agenda setting, program formulation, consensus building, implementation, and the use and misuse of policy analysis. Special attention to methods and techniques of policy evaluation. Primary focus on policy making at the national level in the United States government. *Prerequisite:* Government 111. *Four credit hours.* U.

**318s Money and Politics** The role of money in the political process and the policy debates on various campaign finance reform alternatives. Formerly offered as Government 419. *Prerequisite:* Government 111. *Four credit hours.* CORRADO

**[320] The Rights Revolution and Its Discontents** The changing role of the national government in American society since the beginning of the 20th century, especially government involvement in defining and protecting individual and civil rights. Critical analyses of the movements that led to those expansions, the government programs that resulted, and the opposition and reaction they inspired. *Prerequisite:* Government 111 or History 132. *Four credit hours.* U.

**[332] International Organization** The structure, politics, and current operation of international organizations within the nation-state system. Topics include conflict resolution, nonproliferation, human rights, and international economic cooperation. *Prerequisite:* Government 131. *Four credit hours.*

**333f Globalization and Social Justice** What is globalization? What is the relationship between recent global changes and the problem of social justice? Themes include globalization and inequality, transnational networks, global rights, citizenship and ethnicity, and the questions of property and solidarity. Students conduct original research to assess the impact of globalization in central Maine. *Prerequisite:* Government 151 or a government course on the politics of a region outside the United States. *Four credit hours.* ARMONY

**334f International Environmental Regimes** Listed as Environmental Studies 334 (q.v.). *Four credit hours.* BOTCHEVA-ANDONOVA

**335s United States-Latin American Relations** The evolving relationship between Latin America and the United States from the 1790s to the present. Analysis will focus on the continuities and changes in U.S. policy toward Latin America as well as Latin American perceptions and policies towards the United States; special attention to U.S. policy in Central America during the Cold War. Post-Cold War issues such as hemispheric economic integration, drug trafficking, and immigration. *Prerequisite:* Government 151 or 253. *Four credit hours.* ARMONY

**338s The Politics of Chinese Cinema** An exploration of competing conceptions of "nation" by filmmakers from three distinct parts of what constitutes China: the mainland, Hong Kong, and Taiwan. How political and financial pressures on these filmmakers, from sources such as the domestic government and the international marketplace, shape their different perspectives. Featured directors include Zhang Yimou, Chen Kaige, Wong Kar-wai, Clara Law, Hou Hsiao-hsien, and Ang Lee. *Four credit hours.* D. HATCH

**[351] United States Policy Toward the Middle East** An overview of the Middle East policy of successive administrations from Harry Truman to Bill Clinton. The motivations and worldviews that have guided United States policy toward the region. Topics include American interests in the Middle East; the origins of U.S. involvement in the region; American policy toward the Arab-Israeli conflict and toward Arab and Iranian nationalism; the "special relationship" between Israel and the United States; the American debacle in Iran; the United States response to the Iraqi invasion of Kuwait; and the challenges of U.S.-Middle East policy in the post-Cold War era. *Prerequisite:* Government 252. *Four credit hours.* D, I.

**354s The European Union** The evolution and institutions of the European Union, focusing on the major policy debates within the E.U. and the challenges of European integration, especially those posed by enlargement to include former communist countries. *Prerequisite:* Government 131 or 151. *Four credit hours.* YODER

**357f Political Economy of Regionalism** Comparative analysis of economic and political integration in three regions: Europe (the E.U.), North America (NAFTA), and Asia. Why do states agree to give up some sovereignty by cooperating on regional projects? Why do these projects vary so much from region to region? *Four credit hours.* HATCH

**[358] Comparative Politics of the Middle East** Building on the material covered in Government 252, a more in-depth study of the political dynamics of Middle Eastern countries. Crosscutting themes revolve around issues of political reform and economic liberalization in the Arab world. Case studies will illustrate how prospects for democratization and economic restructuring are impacted by pre-existing configurations of political and economic interests, Islamist movements, regime responses to those movements, and the policies of international and regional actors. *Prerequisite:* Government 252 *Four credit hours.*



**359f Political Ideologies** An exploration of the major ideological currents and movements in the contemporary world. Theoretical underpinnings of democracy, as well as issues within, and challenges to, democracy in the late 20th century. Ideologies examined against the background of important political changes such as the Bolshevik revolution, the rise of fascism and the Third Reich, and the collapse of Soviet-style communism. *Prerequisite:* Government 151. *Four credit hours.* YODER

**371s Foundations of American Constitutionalism** An examination of the philosophical foundations of the constitution and American political thought at the time of the founding, through an analysis of Revolution-era documents, the writings of Locke and Montesquieu, and selected Federalist and anti-Federalist essays. *Prerequisite:* Government 111. *Four credit hours.* CORRADO

**397Af The Politics of Race** The history of race in American politics and its contemporary significance to the nation's citizens, politicians, and governmental institutions. *Prerequisite:* Government 111. *Four credit hours.* D, U. MCGUINN

**397Bf Political Journalism** An examination of the ways in which journalists cover election campaigns and politics in the United States, and of the ways in which politicians and their handlers attempt to influence the ways in which they are covered. *Four credit hours.* D, U. POLSTER

**[412] Tutorial: The Politics of Presidential Elections** The procedural and strategic environment of modern presidential elections and the decision making that takes place within presidential election campaigns. Case studies and analyses of the 2000 presidential campaign. The development of electoral college strategies, the use of political advertising, the role of candidate debates, and press coverage of general elections. *Prerequisite:* Government 111 and permission of the instructor. *Four credit hours.*

**[413] Seminar: Policy Advocacy** Intensive study of selected public policy issues and the techniques of policy advocacy; emphasis on oral presentations of policy positions. *Prerequisite:* Government 317. *Four credit hours.*

**414s Seminar: Ethics in Politics** A discussion of critical ethical issues faced by American and other national leaders. Case studies of 20th-century decisions, including those involved with violence (e.g., Truman's decision to drop the bomb on Hiroshima and Nagasaki), deception in government (e.g., Oliver North's decision to lie to Congress about Iran-Contra), disobedience of those in authority (e.g., Daniel Ellsberg's release of the Pentagon Papers), policies regarding life and death (e.g., abortion and euthanasia laws), and others. *Prerequisite:* Government 111 and permission of the instructor. *Four credit hours.* U. MAISEL

**[415] Tutorial: The Way We Vote** A small group of students will work collectively to analyze the strengths and weaknesses in current American voting procedures and to develop a program of recommendations for improving the efficiency, accuracy, and participation levels in American elections. *Prerequisite:* Senior standing as a government major and permission of the instructor. *Four credit hours.*

**432f Seminar: United States Foreign Policy** An advanced seminar dealing with major theoretical and policy issues in the study of American foreign policy since World War II. The specific topic of the seminar will be announced each year; possible topics are multinational corporations and foreign policy; Soviet-American relations; levels of analysis; and international organization. *Prerequisite:* Government 131 and permission of the instructor. *Four credit hours.* RODMAN



**435s Seminar: Memory and Politics** A seminar exploring domestic and international attempts to answer difficult questions about justice, collective memory, and democratic transition, particularly as they relate to whether and how a society should address a difficult past. *Prerequisite:* Permission of the instructor. *Four credit hours.* YODER

**450s Seminar: Democratization in Latin America** Understanding key problems such as the transition from authoritarianism to democracy, the role of various actors in this process, and the challenges for the consolidation of democracy. A theoretical analysis of these issues will be combined with an in-depth study of specific cases to understand how democracy re-emerged and how it works in Latin America. *Prerequisite:* Government 151 or 253. *Four credit hours.* I. ARMONY

**451f Seminar: Political Violence, Revolutions, and Ethnic Conflict** Students familiarize themselves with the vast literature on revolutions, political violence, and ethnic conflict and are exposed to a variety of theoretical perspectives and case studies. How to draw on theoretical approaches to make sense of specific instances of political turmoil and, conversely, how to use case studies to assess the validity of different theories. *Prerequisite:* Government 151. *Four credit hours.* I. DENOEU

**[472] Seminar: Modern Political Philosophy** A careful analysis of a single major writing or a single author's thought, such as Alexis de Tocqueville's *Democracy in America* or the works of Rousseau. *Prerequisite:* Government 171 or 272. *Four credit hours.*

**[474] Seminar: Plato and Rousseau** What is justice? In the individual and in society? What political institutions would a just society require? Is a perfectly just person or society possible? Is justice compatible with the flourishing of a society or the happiness of an individual? What obligations do we owe, in justice, to ourselves? To our families and our friends? To fellow-citizens and strangers? To God? A careful comparison and analysis of these and related issues in Plato's *Republic* and Rousseau's *Emile*. *Prerequisite:* Permission of the instructor. *Four credit hours.*

**[475] Seminar: Law, Liberty, and Morality** May the state legitimately use the law to impose a certain conception of morality on its citizens? Or must the state aim, rather, to remain "neutral" when its citizens disagree strongly about the best way of life, protecting its citizens' freedom to choose their own visions of the good life? An examination of these issues as they are developed in works by Rawls, Dworkin, Sandel, Raz, George, and others as well as in selected Supreme Court opinions. *Prerequisite:* Permission of the instructor. *Four credit hours.* U.

**483f, 484s Honors Workshop** Individual and group meetings of seniors and faculty members participating in the government honors program. *Prerequisite:* Admission to the honors program. *Four credit hours.* FACULTY

**491f, 492s Independent Study** A study of government through individual projects. *Prerequisite:* Government major and permission of the instructor. *One to four credit hours.* FACULTY

**498s Seminar: State, Society, and Markets** An exploration of the relationship between state and society, and the effect of this interaction on development. How do some states manage to promote development while others hinder it? *Prerequisite:* Permission of the instructor. *Four credit hours.* HATCH

# Greek

## *In the Department of Classics.*

*The Classics Department offers courses listed in this catalogue under "Ancient History," "Classics," "Greek," and "Latin."*

## Course Offerings

**111fj Introductory Greek** By learning ancient Greek one can explore firsthand the great works of literature, history, philosophy, religion, and the origins of Western civilization, while improving one's English vocabulary and developing analytical skills. *Four credit hours.* GILLUM, H. ROISMAN

**112s Intermediate Greek** As facility with ancient Greek grows, students read extracts from the great authors of ancient Greece, including Euripides and Plato, and excerpts from the Bible (Old and New Testament). *Prerequisite:* Greek 111. *Four credit hours.* H. ROISMAN

**131f Introduction to Greek Literature** Selected readings; see Greek 251 for 2004 description. Successful completion of this course fulfills the College language requirement. *Prerequisite:* Greek 112. *Four credit hours.* L. H. ROISMAN

**[231] Euripides's *Cyclops*** In this satyric drama, the only of its kind to survive, Euripides pokes fun at the story of the Cyclops, Polyphemus, in the *Odyssey*. Mythical characters like Odysseus, Silenus, and the Cyclops are portrayed humorously to an almost farcical degree. *Prerequisite:* Greek 131. *Four credit hours.* L.

**[232] Male Deception: Sophocles's *Philoctetes*** Patriotism vs. integrity, obedience vs. compassion; these opposing virtues tear at the soul of a young soldier facing a moral dilemma. Is scrupulous honesty that brings ruin on your comrades a more noble choice than a cruel deception that sacrifices a pathetic victim for the good of the many? Also, how does an untested young man escape the shadow of his father's legendary exploits and forge an identity of his own? *Prerequisite:* Greek 131. *Three or four credit hours.* L, D.

**[235] True Lies: Lucian's *True History*** In the second-century C.E. Lucian wrote a parody on the fictitious tales of adventures put forward as true by ancient writers. His fantastic accounts parallel modern science fiction. *Prerequisite:* Greek 131. *Four credit hours.* L.

**[236] Disaster and Triumph: Xenophon's *Anabasis*** Xenophon, philosopher, adventurer, and soldier of fortune, has left us a fascinating account of the trials he endured as a member of the Greek forces in the pay of Cyrus, a pretender to the Persian throne. The death of Cyrus left the Greek mercenaries stranded in the middle of a hostile empire. The *Anabasis* is the true story of the Greeks' courage and ingenuity as they fought their way back to the sea and salvation. *Prerequisite:* Greek 131. *Four credit hours.* L.

**251f Husbands and Wives: Euripides' *Alcestis*** Alcestis agrees to die instead of her husband Admetus? Why? And why does Admetus let her? Is there a tragic character in the play? *Prerequisite:* Greek 131. *Four credit hours.* L. H. ROISMAN

**[351] Diomedes, Hector, and Andromache: Homer's *Iliad*** While Greek and Trojan men alike find an outlet on the battlefield for their hopes and fears, the women of Troy are confined within the walls of Troy. What agency and what roles are open to women in Homeric society? We will focus on the function of women in religious rites

and their status within the family, city, and society. *Prerequisite:* Greek 131. *Four credit hours.* L.

**356s Hektor and Aias: Homer's *Iliad*, Books 7-8** What motivates a Homeric hero to volunteer for a duel? How and why do gods intervene in the battle between the Greeks and the Trojans? *Prerequisite:* Greek 131. *Four credit hours.* L. H. ROISMAN

**[357] Aeschylus: The Libation Bearers: Sex, Lies, and Matricide** In the second play of Aeschylus's trilogy, *The Oresteia*, a young man struggles with conflicting obligations to each of his parents. Should he avenge his father by killing his murdering, adulterous mother, or should he acknowledge his debt to his mother and let her escape the consequences of her vicious deeds? *Prerequisite:* Greek 131. *Four credit hours.* L.

**[359] Menelaos and Paris: Homer's *Iliad*** In preparation for the combat between Menelaos and Paris, Helen shows herself on the walls of Troy. Will the two heroes, rivals for her hand, fight to the death? If not, what will happen next? *Prerequisite:* Greek 131. *Four credit hours.* L.

**491f, 492s Independent Study** Reading in a field of the student's interest, with essays and conferences. *Prerequisite:* Permission of the instructor. *One to four credit hours.* FACULTY

## Hebrew

*In the Program in Jewish Studies.*

*Visiting Instructor Rabbi Raymond Krinsky*

### Course Offerings

**[111] Intensive Conversational Hebrew** An introduction to the grammar, syntax, vocabulary, and idioms of the Hebrew language using current events and aspects of Israeli culture as topics for discussion. Open to beginners and those with some background in Hebrew. *Three credit hours.*

**[125] Beginning Hebrew I** *Three credit hours.*

**[126] Beginning Hebrew II** *Three credit hours.*

**[127] Intermediate Hebrew** *Three credit hours.*

## History

*Chair, Associate Professor* ELIZABETH D. LEONARD

*Professors Richard Moss, James Webb, and Robert Weisbrot; Associate Professors Paul Josephson, Leonard, Raffael Scheck, and Larissa Taylor; Assistant Professors Peter Dittmanson, Ben Fallaw, Howard Lupovitch, and Jason Opal; Visiting Instructor Eugene Avrutin; Faculty Fellow David Lewis-Colman*

History provides the opportunity to understand the human experience through the study of one's own and other cultures and societies as they have evolved over time. It is also a rigorous intellectual discipline involving research techniques, problem solving, and the critical evaluation of evidence. The department offers a wide variety of learning experiences, including lectures, individual tutorials, discussion groups, 300-level seminars, and senior

research seminars. Students are encouraged to take courses in many areas of history and in interdisciplinary programs and related fields. Although a number of distinguished academic historians began their training at Colby, most majors find that history is excellent preparation for careers in business, law, and other professions. In recent years, media research, preservation, and museums have offered new opportunities for persons trained in history.

### **Requirements for the Major in History**

Twelve semester courses in history: at least two courses in each of the following three areas: United States, European, and non-Western history; and History 200 (which should be taken no later than the sophomore year). In each area, at least one course must be at the 200 level or higher; additionally, one of the courses must be in “early” history, the other in “modern” history, as designated by the department (a detailed handout on the division of courses among the fields is available in the department office). Beginning with the Class of 2005, one of the 12 courses for the major must be at the 300 level. Up to four semester courses in history may be transferred from courses taken in history departments at other colleges and universities at home and abroad. Students may petition in advance to count up to a maximum of two courses in allied fields at Colby toward the 12-course requirement for the major, but the combined number of courses both transferred from other colleges and universities and counted from allied fields at Colby is restricted to four.

All majors must take a designated senior research seminar (which may also count toward fulfilling an area requirement) in which they write a major research paper. During the spring semester of their junior year, students should consult with their advisors about an appropriate seminar choice.

The pointscale for retention of the major applies to all courses in history. No requirement for the major may be taken satisfactory/unsatisfactory. No course will count for the history major if the grade is lower than C-. Seniors with a GPA of 3.50 or higher in history courses will graduate “With Distinction.”

### **Honors in History**

Admission to the honors program requires at least a 3.25 grade point average in the history major and approval by the advisor. Students may make application at the end of the spring semester of their junior year and, at the discretion of a history professor who agrees to act as honors advisor, may be admitted in the first semester of the senior year to History 483, the first semester of a year-long honors program. A total of up to eight credits may be given for the year, including January Program credit. Upon successful completion of History 483, the student, at the discretion of the honors advisor, would be admitted to History 484. Upon the successful completion of History 484 and the requirements for the major, the honors student’s graduation from the College will be noted as being “With Honors in History.” The honors thesis must receive at least an A- grade. For specifics, please refer to the History Department Web page: <http://www.colby.edu/history/honors.htm>. *Note:* all three- or four-credit-hour courses offered by the History Department fulfill the area requirement in historical studies (H).

## **Course Offerings**

**[103] Athens, Rome, and Jerusalem** Listed as Classics 139 (q.v.). *Three credit hours.*

**106f Greek History** Listed as Ancient History 158 (q.v.). *Three or four credit hours.* **H.** J. ROISMAN

**111f Europe from Late Antiquity to 1618** A survey of European history from the age of Augustus to the beginning of the Thirty Years War, covering political, intellectual, social, and cultural history. Larger themes include the evolution of medieval kingship, relations between church and state, the development of nation-states, Renaissance, Reformation, and religious wars. Interactions between Christians, Jews, and Moslems; also attention to gender, family, and daily life. *Four credit hours.* **H, I.** TAYLOR



**112s A Survey of Modern Europe** An introduction to European political, socio-economic, and cultural developments from 1618 to the present day. Coverage of international relations, both within Europe and between Europe and the non-European world, the development of modern industrial nation-states, and transformations in culture and everyday life. *Four credit hours.* **H, I.** SCHECK

**116f Science, Technology, and Society** Listed as Science, Technology, and Society 112 (q.v.). *Four credit hours.* **S.** REICH

**131f Survey of United States History, to 1865** A survey of American social, cultural, political, and economic history from the period of settlement to the age of the Civil War, focusing on both the "public" affairs of state (warfare, diplomacy, presidential elections) and the more private concerns of households, communities, and individuals (work routines, child-rearing, religious beliefs, and practices.) *Four credit hours.* **H, U.** OPAL

**132s Survey of United States History, 1865 to the Present** The history of the United States since the end of the Civil War, with particular attention paid to the emergence of the United States as an urban industrial society and a global economic and military power. Also considered are inequality in American society and the various social and cultural movements that sought to expand and define the meaning and practice of American democracy. *Four credit hours.* **H, U.** LEWIS-COLMAN

**[136] The American Superpower, 1945-1970** An exploration of American politics, society, and culture from the emergence of the United States as a superpower at the end of World War II through the turbulent events of the 1960s. Why did America forge a consensus for liberal reform at home and containment of communism abroad? How did this consensus find expression in the civil rights campaigns, a war on poverty, confrontations with the Soviet Union, and involvement in Vietnam? How did this consensus shatter amid anti-war activism, racial turmoil, and a rising counterculture? Part of the Integrated Studies Program; requires concurrent enrollment in American Studies 136 and Philosophy 136. Admission by application. *Four credit hours.* **H, U.**

**151f Introduction to East Asia from Ancient Times to the 17th Century** Listed as East Asian Studies 151 (q.v.). *Four credit hours.* **H, D, I.** DITMANSON

**152s Introduction to East Asia from the 18th Century to Modern Times** Listed as East Asian Studies 152 (q.v.). *Four credit hours.* **H, D, I.** DITMANSON

**[154] Roman History** Listed as Ancient History 154 (q.v.). *Three or four credit hours.* **H.**

**[171] Introduction to Latin American Studies** Listed as Latin American Studies 171 (q.v.). *Four credit hours.* **H, D.**

**173f History of Latin America** Latin America's search for political stability and economic development from the origins of the indigenous American civilizations to the present. Major themes include the Aztec and Inca imperial conquests of the 14th century; Spanish and Portuguese colonization; the Bourbon and Pombaline rationalization of the 18th century; the Independence Wars and national civil wars of the 19th century; and right- and left-wing dictatorships. *Four credit hours.* **H, D, I.** FALLAW

**181f Jewish History I: From Antiquity to 1772** A survey of Jewish history from the world of the Hebrew Bible to the first partition of Poland. Topics include the Chosen People, the Kingdom of David, Jews in the Hellenistic world, the birth of Christianity, the rise of the diaspora, rabbinic Judaism and the Talmud, the Jews of Islam, the Crusades,

the Jewish-Christian polemic, medieval anti-Jewish stereotypes, Jewish Mysticism, the Golden Age of Spain, the expulsion of Jews from Spain, Jews in Poland-Lithuania. *Four credit hours.* **H, D, I.** AVRUTIN

**[182] Jewish History II: From 1492 to the Present** A survey of Jewish history from the Expulsion from Spain through the birth of the state of Israel. Topics include the return of Jewish life to Western Europe, Jews and the Italian Renaissance, Martin Luther and the Jews, the Jewish Enlightenment, the age of emancipation, reform movements in Judaism, Hasidism, the world of the Shtetl in Poland and Russia, anti-Semitism and Jewish responses, the birth of Zionism, and the emergence of new centers of Jewish life in America, Israel, and the Soviet Union. *Four credit hours.* **H, D, I.**

**200fs Introduction to History** A course divided into three units: the first introduces students to history's history and philosophical problems; the second explores the nature of historical disputes with emphasis on the nature of historical evidence and its use; the third introduces the problems of doing original research in history. *Prerequisite:* History major. *Four credit hours.* **H.** LEONARD, OPAL

**[208] Romans and Jews: History and Religion** Listed as Classics 258 (q.v.). *Three credit hours.* **H, D.**

**[209] History As Fiction: The Medieval Historical Novel and Film** Through a reading of Connie Willis's *The Doomsday Book* and contemporary sources from 1347-48, and viewing films such as *The Seventh Seal* and documentaries, an examination of the historical events and human responses to them. Critical evaluation of the portrayal of history in fiction and the role of interpretation by both historians and writers/filmmakers. Fulfills historical studies requirement if taken for three credits. *Two or three credit hours.* **I.**

**210f Christianity from the Reformation to the Present** Listed as Religious Studies 236 (q.v.). *Four credit hours.* **H.** CAMPBELL

**[212] England from 1066 to 1603** A focus on English history from the Norman Conquest to the death of Elizabeth I. Topics include the changes from Anglo-Saxon to Norman rule, the Anarchy, Magna Carta and the development of parliamentary institutions, plague and rebellion, the Hundred Years War, the Wars of the Roses, the English Renaissance and Reformation, and the Elizabethan Settlement. Attention to social life, cultural innovations, and gender issues. *Four credit hours.* **H, I.**

**[214] Italian Renaissance** An interdisciplinary look at the history and culture of the Renaissance in Italy, with special attention to Florence and Venice. Topics include politics and city-states; court life and patronage; honor and clientage; art and architecture; academic and civic humanism; books, writers, and literature (including Dante, Boccaccio, and Machiavelli); women and family life; popular culture. *Four credit hours.* **H, D, I.**

**[215] Heresy, Humanism, and Reform** The wide range of medieval heresies, including the appeal to women and the poor; popular culture on the eve of the Reformation; northern humanism; Luther, Zwingli, and Calvin; the Radical Reformation; Counter-Reformation; Inquisition; the effects of reform on women and the family; the religious wars and the growth of toleration; the witch crazes. *Four credit hours.* **H, I.**

**216s Church History and Theology in Medieval Europe** The history and theology of Christianity in Western and Central Europe from the time of Jesus to the Lutheran Reformation. Topics will include the earliest church, martyrdom, sainthood and relics, monasticism, the development of institutional religion, mysticism, worship, popular devotion, heresy, and interactions between Christianity, Judaism, and Islam throughout the period. *Four credit hours.* **H.** TAYLOR

**220s Yugoslavia: Emergence to Dissolution** In a search to understand the violent dissolution of Yugoslavia and the Bosnian conflict, the course analyzes the history of the complex Balkan region that constituted Yugoslavia from 1918 to 1991, beginning with Ottoman and Habsburg influence in the 18th century and ending with the civil war of the 1990s. *Four credit hours.* **H, I.** SCHECK

**[223] European Politics, Culture, and Thought, 1789-1914** A survey of the "long" 19th century in Europe. Special focus on political and social change connected to industrial revolution, demographic explosion, and overseas expansion. Introduction of intellectual and cultural currents in close historical context. *Four credit hours.* **H, I.**

**[224] Germany and Europe, 1871-1945** What went wrong with German history from the first unification to the catastrophe of Nazism? Examining the question of German peculiarities within the European context and the debate on continuities in recent German history. *Four credit hours.* **H, I.**

**227f The Russian Empire: Russia Looks to the West, 1613-1905** The cultural and social history of Russia. Topics include Kievan Rus', the rise of Moscow, the westernizing influence of Peter the Great, and the development of serfdom and autocracy. Focus on Russia's self-identity as Western or Eastern and on the challenges of building civil society. *Four credit hours.* **H, I.** JOSEPHSON

**228s The Russian Empire: Soviet History and 20th-Century Revolutions** The people of the Soviet Union lived through three revolutions (1905, 1917, 1991) and two world wars. Their leaders forced the pace of modernization and subjected their own citizens to class war, arrest, and execution. An exploration of the last days of Tsarism, of Leninism and Stalinism, and of the forces leading to the Gorbachev revolution and break-up of the Soviet empire. *Four credit hours.* **H, I.** JOSEPHSON

**230Af Religion in the U.S.A.** Listed as Religious Studies 217 (q.v.). *Four credit hours.* **S.** CAMPBELL

**[230B] Women in American Religion** Listed as Religious Studies 257 (q.v.). *Four credit hours.* **H, D.**

**231f American Women's History, to 1870** An examination of key themes in the varied lives of women in America from colonial times to the end of the Civil War, such as their relationship to the public sphere and politics; women's work in the contexts of household production, early industrialization, and slavery; women and citizenship in the new republic; and women, religion, and social reform. *Four credit hours.* **H, D, U.** LEONARD

**[232] American Women's History, 1870 to the Present** An exploration of critical topics in the history of women in America from Reconstruction to the present, including the struggle for suffrage; black women in the aftermath of slavery; women and the labor movement; the impact on women of two world wars; birth control and reproductive freedom; women's liberation; the feminization of poverty; and the backlash against feminism. *Four credit hours.* **H, D, U.**

**[233] Not Work: The Rise of Sport and Leisure in America** Surveying the rise in America of a culture characterized by extensive leisure and a nearly fanatical concern with sport. Students will think critically about the historical roots of modern American society and the meaning of sport and leisure in that society. History 131 and/or 132 recommended but not required. *Four credit hours.* **H, U.**

**[234] The American Revolution** A social, cultural, and political study of the revolutionary era in American history. The forces leading up to the war, the war itself,



and the people who fought it; and such post-war developments as the promulgation of the U.S. constitution. In what ways did the revolution transform what had been a colonial society into something new? Did the constitutional period witness a retreat, by the founders and American society at large, from the democratic promises of the revolution? *Four credit hours.* H, U.

**[235] The American Family, 1600s to the Present** The domestic lives of Americans from the age of European settlement to the present day, treating the family as a social institution that both shaped and was shaped by political events, cultural movements, and economic forces. Topics include the clash between Indian and English family forms in the colonial period; the effect of slavery and emancipation on black families; the changing legal, economic, and cultural dimensions of patriarchy; and the rise of “alternative” domestic ideals and practices in modern America. *Four credit hours.* H.

**[236] The American Frontier, 1600-1900** The settlement of North America by Europeans and Africans from the early 17th to the late 19th centuries. The frontier is studied as both a place and an idea, a site of opportunity as well as tragedy. Topics include Native American responses to white encroachment, the spread of capitalist labor relations and market exchanges, the effect of the frontier on family structure and gender relations, and the struggle between settler families and elites, including the fight over Maine lands during the post-Revolutionary period. *Four credit hours.* H, D, U.

**238s American Political History, 1600-Present** An exploration of public life in America from colonial times to the present, considering not only the elections, parties, and movements that have defined the American political landscape but also the social and cultural changes underpinning it. *Four credit hours.* H, U. OPAL

**239s The Era of the Civil War** A social, political, and cultural survey of the Civil War, its origins, and its aftermath. Was the war a watershed in American history, as historians have commonly suggested? And if so, what kind of watershed? *Four credit hours.* H, U. LEONARD

**[241] History of Science in America** Listed as Science, Technology, and Society 271 (q.v.). *Four credit hours.* H.

**[242] Industry, Technology, and Society** Listed as Science, Technology, and Society 251 (q.v.). *Four credit hours.* H.

**[244] Changing Notions of Progress** Since the Enlightenment, many Western thinkers have promoted the practical arts, technology, and science as the keys to the betterment of the human condition. They have advocated the use of various production and processing technologies to ensure adequate resources for present and future generations. They have assumed that “progress,” based on technological achievements, in and of itself was good. The roots of this notion and its development from the late 1700s until the mid-1900s. *Three credit hours.* H, U.

**[245] Science, Race, and Gender** Historical analysis of the concepts of race and gender in four different ways: its institutional basis; its scientific content; epistemological issues that surround notions of race and gender; and the cultural and social background of the scientists and science that developed from 1800 to the present. Consideration of importance of historical issues for contemporary society. Requires concurrent enrollment in Biology 245. *Four credit hours.* H, D, U.

**246s Luddite Rantings: A Historical Critique of Big Technology** Adopting a technologically determinist argument, the instructor will subject to withering criticism the way in which Westerners, and in particular Americans, have embraced such technologies



as automobiles, computers, reproductive devices, rockets, and reactors, with nary a thought about their ethical, moral, political, or environmental consequences. Students will be encouraged to argue. *Four credit hours.* H. JOSEPHSON

[247] **African-American History, from Slavery to Freedom** The nature of racism, the experience of slavery, the role of African Americans in shaping the nation's history, and the struggle for equality from colonial times until the present. *Four credit hours.* H, D, U.

[252] **Medieval China** The history of China from 200 to 1200 C.E. The evolution of aristocratic culture and society through the rise and fall of successive dynasties, focusing on political thought and institutions, religious and philosophical traditions, literature and art. The ways in which men and women defined their roles and identities within the shifting dimensions of their world. East Asian Studies 151 recommended. *Four credit hours.* H, D, I.

[253] **The World of Thought in Ancient China** A close reading of the *Analects* of Confucius, the *Daodejing* of Laozi, and other texts to examine the problems and solutions posed by early Chinese thinkers in their historical context. The place of these schools of thought in the intellectual foundations of imperial China. *Three credit hours.* H, D, I.

254j **The World of Ming China, 1368-1644** The Ming dynasty was a period of great flux in Chinese history in terms of political and social order, moral philosophy, gender relations, and artistic and literary representation. An examination of the social and cultural dynamics of this period through reading and discussion of a variety of materials, including political treatises, philosophical essays, religious texts, fiction, drama, and art. *Three credit hours.* H, D, I. DITMANSON

256f **Heian and Medieval Japan** An exploration of the evolution of culture and society of Japan from the eighth to the 16th centuries, examining changes in the rise and fall of the Heian aristocratic world and the development of the warrior culture of the Kamakura and Ashikaga periods. Readings and discussions will explore these processes of change in politics and society, religion and thought, and literature and art. East Asian Studies 151 recommended. *Four credit hours.* H, D, I. DITMANSON

[257] **Modern Japan** A survey of the history of modern Japan from the 18th century to the present: the decline and fall of the Tokugawa Bakufu; the political, social, and cultural changes in the Meiji era; the emergence of Japan as a global political, military, and economic power; and the culture of Japan in the post-World War II era. *Four credit hours.* H, D, I.

261j **African History** An introduction to major themes in Africa's past. Topics include the peopling of Africa, the evolution of African states, the role of Islam, the impact of the Atlantic slave trade on Africa, slavery within Africa, European imperialism, the impact of colonial rule, and struggles for independence. *Three credit hours.* H, D, I. WEBB

[272] **History of Law, Society, and Rebellion in Mexico** Looking beyond the clichéd image of the Mexican bandit, a consideration of the complex economic, social, and political problems behind ruptures in the legal order from Aztec times to the present. Focusing on revolts, the social origins and political construction of crime, and state regulation of popular culture, the course both traces the outlines of the history of Mexico and considers how notions of legality vary across time and cultures. *Four credit hours.* H, D, I.

[273] **History of Women, Gender, and Family in Latin America** How has women's status in Latin America changed and not changed since the Conquest? Social histories, a novel, and a film will serve as bases to trace the historical evolution of such key factors as family and regional notions of masculinity and femininity, as well as the impact of political revolutions and economic modernization on women. *Four credit hours.* H, D, I.

**[275] Strongmen and Populism in Modern Spain and Latin America** A cross-disciplinary study of the historical factors behind the creation of Trujillo's dictatorship in the Dominican Republic, the rise of Getulio Vargas's Estado Novo in Brazil, the role of Zapata as an agrarian warlord in the Mexican Revolution, and the failure of the Spanish Republic and the emergence of Franco's regime, and the crises that have brought populist regimes and caudillos, or charismatic strong leaders, to power. *Three credit hours.* **H, I.**

**276f Patterns and Processes in World History** An introduction to patterns and processes in world history, principally focused on the period since 1200. Themes include the evolution of trade and empire, global balances in military and political power, historical epidemiology, the evolution of capitalism, slavery and its abolition, democratic and industrialization revolutions, imperialism, global warfare, and decolonization. *Four credit hours.* **H, I.** WEBB

**[277] History of the Maya from 200 B.C.** A multidisciplinary survey (archaeology, anthropology, sociology, literature, and history) of the trajectory of the Mayan peoples from the writing of the first known Maya glyphs (c. 200 B.C.) to the current conflicts in Chiapas and Guatemala. *Four credit hours.* **H, D, I.**

**[281] Jews and Judaism in America** The history of American Jewry from the 17th century through the present with emphasis on the century after 1880. Topics include the flight from Spanish oppression, Jews in colonial America, Jews and the westward movement, attempts to reconcile Jewish life with the openness of American society, the triumph of Reform Judaism, the Jewish role in the slave trade and the Civil War, Jews and the labor movement, Black-Jewish relations, Jewish and other immigrant experiences, Zionism in America, American Jewish responses to anti-Semitism, Nazism, and McCarthyism, the impact of feminism, the sexual revolution and the counterculture movement, and the political strategies of American Jews. Fiction, film, and other sources will be used. One course in Jewish, American, or European history is recommended but not required. *Four credit hours.* **H, D, U.**

**[284] Zionism and the Jewish State** The dynamics of the Zionist revolution in Jewish history, focusing primarily on the ideology of Zionism, its program for settling the Land of Israel and regenerating the Jewish people, and the Arab-Israeli conflict over Palestine. *Four credit hours.* **H.**

**297Af Black Metropolis: African Americans and the Northern City** The emergence of urban black communities in the United States between 1910-1990, during which period millions of African Americans left the rural South and moved to northern cities in search of freedom, equality, and opportunity. Vibrant black communities emerged in cities like Chicago, Detroit, and New York. How the Black Metropolis transformed race relations and the country's political and economic system and gave rise to new forms of protest and cultural expression. *Four credit hours.* **H, D, U.** LEWIS-COLMAN

**297Bf The United States and World Affairs, 1898 to the Present** The relationship between the United States and the world, with particular attention to the emergence of the United States as the dominant global power. The social, political, and economic forces that shaped United States foreign relations and the impact of American global power on other countries and on American society. The role of the state in international relations as well as non-governmental players such as missionaries, political activists, corporations, and musicians and artists. *Four credit hours.* **H.** LEWIS-COLMAN

**297Cf East European Jewish History and Culture** An introduction to the long, contentious, and politically charged history and culture of Jews in Eastern Europe beginning with an analysis of three key terms (emancipation, assimilation, and integration) that will recur throughout the course. Three main topics illustrate the sociological and cultural

transformation of East European Jewry in the “long” 19th century: (1) Russia gathers her Jews; (2) Tradition and Innovation; and (3) Integration and its Discontents. Themes include Jewish education, family life and communal organization, and analysis of Jewish responses to the growing conservatism and violence and the unprecedented educational, professional, and geographic opportunities of the late 19th century. *Four credit hours.* **H, D, I.** AVRUTIN

**[302] Manhood in Greek Society and Literature** Listed as Classics 332 (q.v.). *Four credit hours.* **H, D.**

**[306] Alexander the Great** Listed as Classics 356 (q.v.). *Four credit hours.* **H.**

**[313] Women in Medieval and Early Modern Europe** The history of women and gender from the early Middle Ages to the French Revolution, with attention to women of all classes and categories of society; virgins, wives, and widows; saints, nuns, and mothers; queens, intellectuals, physicians, and brewers; prostitutes, magicians, and witches. Changes in legal, family, and economic status over time; working opportunities and restrictions; attitudes to sexuality; the *querelle des femmes*; male views of women; writings by women; church attitudes. *Four credit hours.* **H, D, I.**

**[317] The Gothic Moment: Paris and the Ile-de-France, 1100-1250** An exploration of the 12th-century renaissance—the moment during which universities first develop, Gothic cathedrals and churches are built all over northern Europe, literature in the form of Arthurian legends, courtly love, and *fabliaux* reach all levels of society, and speculative philosophy and theology engage the minds of the leading thinkers. Concentrating on Paris between 1100 and 1250, exploring the culture of this period through interdisciplinary studies. *Four credit hours.* **H, I.**

**[319] France in the Ancien Régime** France from the High Middle Ages to the French Revolution, with special attention to developments in culture, social history, politics, intellectual life, and gender. Reading knowledge of French desirable but not required. *Four credit hours.* **H, I.**

**322j Europe and the Second World War** An exploration of the origins of World War II, its military, civilian, and diplomatic aspects, and its effects. Includes debates on the Versailles peace order, appeasement, collaboration and resistance in Nazi-occupied Europe, war aims, the mass murder and deportation of civilian populations, and the rebuilding of Europe after 1945. Although the focus is on Europe, the global dimensions of the war will receive ample consideration. *Three credit hours.* **H, I.** SCHECK

**[328] Advanced Topics in Soviet Cultural and Intellectual History** Three major periods in Soviet history: the era of the New Economic Policy in the 1920s; the era of High Stalinism, from the end of World War II until the death of Stalin; and the era of reforms under Mikhail Gorbachev, from 1985 until the break-up of the Soviet Union in 1991. The formation of the new Soviet intelligentsia, including the political leadership, and their efforts to mold new cultural institutions. *Four credit hours.* **H.**

**[331] Markets, Morals, and Greed in Early America: 1620-1820** An exploration of the moral and social dimensions of economic life in early America. Americans are characterized throughout the Western world as aggressive capitalists. Has such unbounded acquisitiveness always characterized American culture? Was America born capitalist, or did it become so through some social, cultural, or economic upheaval? An examination of such questions, focusing on market exchange and market ethics from the age of European settlement to the dawn of the Industrial Revolution. *Four credit hours.* **H.**

**[333] American Cultural History, 1600-1865** American life from the founding to the Civil War as seen from a social and intellectual perspective. Emphasis on the growth



of a unique American mind and its relationship to New World social and political development. *Four credit hours.* H, U.

**[334] U.S. Cultural History, 1860-1974** The growth of the United States as a mass culture, with special focus on the development of popular culture, leisure, and the consumer society, including such traditional themes as Darwinism, pragmatism, and existentialism. *Four credit hours.* H, U.

**[335] Antebellum American Histories, 1830-1860** The crucial pre-Civil War period in America, exploring not only the major conflicts and concerns facing the nation during the antebellum years but also the ways in which individual Americans' experience of the period varied dramatically according to their social positions. That one's race, gender, class, and location shape one's perspective and experience was as true in antebellum America as it is today. *Four credit hours.* H, D, U.

**337f The Age of the American Revolution** The American Revolutionary period (ca. 1760-1820), blending political, social, intellectual, and cultural history. From 18th-century America, as a society built on contradictions (liberty and slavery, property and equality, dependence and independence), through the rebellion against Britain, to the democratic, slave-owning, egalitarian, libertarian, and hyper-commercial world of the early republic. *Four credit hours.* H, U. OPAL

**340s Seminar: Biographies and Autobiographies of Great American Women** A junior-level seminar in which biographies and autobiographies of prominent individual American women are used to explore not only their lives but also critical issues in American women's history, in the discipline of biographical/autobiographical historical writing, in developing a concept of historical "greatness." *Prerequisite:* Permission of the instructor. *Four credit hours.* H, D, U. LEONARD

**[342] Crisis and Reform: American Society and Politics in the 1960s** The utopian hopes for government during the Kennedy and Johnson years, both in solving social problems and in containing communism around the world. Readings focus on the shaping of federal policies, their domestic and global impact, and the cultural and political legacy of this era. *Four credit hours.* H, U.

**[347] America in Vietnam** The course traces the roots of conflict in Vietnam, American involvement, the course of the war, and its legacy for both Americans and Vietnamese. *Four credit hours.* H, U.

**[355] Culture, Wealth, and Power in Tokugawa Japan, 1600-1868** The political and social dimensions that shaped the dynamic culture and society of Tokugawa Japan, 1600-1868. The evolving tensions between the conservative concerns of the *Bakufu* regime, the shifting identity of the *samurai* class, and the burgeoning commercialism of the townsman community. *Prerequisite:* Previous East Asian course work. *Four credit hours.* H, D, I.

**364s Ecological and Economic History of Africa** A junior-level seminar on major issues in African ecological and economic history. Topics include early human occupation and technological change; the agricultural and horticultural revolutions; the impacts of tropical disease; ecological change in the pre-colonial, colonial, and post-colonial periods; the debates over rainforest destruction, desertification, and conservation biology; and interpretations of the food crisis and international aid. *Four credit hours.* H, D, I. WEBB

**[374] Religion and World War II** Listed as Religious Studies 334 (q.v.). *Four credit hours.*



**[378] Comparative Perspectives East and West: Europe and East Asia 1000-1700**

A seminar comparing and contrasting the cultures of East Asia and Western Europe, focusing primarily on China, Japan, France, and Italy in the period before 1700. Thematic topics include court life and kingship; religion and popular culture; fate, destiny and prediction; philosophy and history; pilgrimages and travel; family life; love, birth, and death; gender and sexuality. *Prerequisite:* History 111 or East Asian Studies 151. *Four credit hours.* **H.**

**[383] War and Society: Classical and Modern Perspectives** Listed as Ancient History 393 (q.v.). *Four credit hours.*

**[384] Dilemmas of Modern Jewish Identity** An exploration of the conflicts between Jewish identity and the demands of modern life, and how Jewish thinkers have tried—with varied success—to resolve these conflicts. Topics include Moses Mendelssohn and the separation of church and state, Judaism and democracy, the future of the diaspora, Judaism and Marxism, Judaism and feminism, secular Jewish culture, and Jewish identity after the Holocaust. *Four credit hours.* **H, D, I.**

**[386] Anti-Semitism** The origins and manifestations of anti-Semitism during the 19th and 20th centuries. Topics include medieval anti-Judaism, racial anti-Semitism, political anti-Semitism and notions of a Jewish conspiracy, the role of anti-Semitism in Nazi ideology, and post-war anti-Zionism as an expression of anti-Semitism. *Prerequisite:* One course in European, American, or Jewish history. *Four credit hours.* **H, D, I.**

**[393] Text and Tradition: Judaism, Past and Present** The essential components of Judaism and their historical developments from the second century C.E. to the present, using classical sources of Judaism and 19th- and 20th-century critiques of these sources. *Prerequisite:* History 181 or 182 or Religious Studies 233. *Four credit hours.* **H, D, I.**

**394f Ecological History** A junior-level seminar that explores major issues in humankind's relationship to the natural world. Topics include the food crisis in prehistory, the human use of fire, disease and urbanization, the domestication of animals, the global exchange of flora and fauna, the impacts of industrialization and global capitalism, tropical deforestation, and the conservation movement. *Four credit hours.* **H, I.** **WEBB**

**397Af The Gothic Moment: Paris and the Ile-de-France, 1100-1250** An exploration of the cultural, social, religious, and political developments that were part of what has been called the "12th-Century Renaissance." The growth of universities, urban expansion, popular and official religion, chivalry and courtly love, gender and sexuality, and a developing sense of the self in society. Significant time will be devoted to Romanesque and French style (Gothic) architecture, which increasingly served both church and state as they worked together to forge a stronger kingdom of France. Co-enrollment in Philosophy 297 is required. *Four credit hours.* **H, I.** **TAYLOR**

**397Bf German Culture and Politics Between the World Wars: Roaring Twenties and Depressing Thirties** An exploration of the intense connections between culture and politics in the troubled but immensely productive Weimar Republic (1918-1933) and the Nazi dictatorship before World War II. Focus on revolutionary thinkers and artists, the breakthrough of "modernity," the Nazi approach to the arts, as well as exile and persecution after 1933. Coordinated with French 397B, which studies the same period in French history; students may not register for both. *Four credit hours.* **H, I.** **SCHECK**

**398s The Working Class in the United States, 1900-Present** The working class and the role of class in the United States in the 20th century. The structure of the United States economy, the changing nature of work, working-class culture and community, the

rise and decline of the labor movement, and the fate of American workers in a global economy, with particular attention paid to the role of gender, race, and ethnicity in shaping class relations. *Prerequisite:* Permission of the instructor. *Four credit hours.* **H, U.** LEWIS-COLMAN

**[411] Sainthood and Popular Devotion in the Middle Ages** An interdisciplinary seminar to explore ideas of sanctity and popular devotion from the Middle Ages to approximately 1700, with attention to studies in anthropology, art history, literature, and religion. Issues include the formation of concepts of sainthood and martyrdom in late antiquity; the uses of sanctity, pilgrimages, and relics; gender differences; and popular versus elite belief. Recommended: previous course in medieval or early modern history. *Prerequisite:* Permission of the instructor. *Four credit hours.* **H, I.**

**413f Research Seminar: Joan of Arc: History, Legend, and Film** A critical examination of one of the most famous figures in history within the context of 15th-century French history, and particularly the Hundred Years' War with England. Focus will be on the role of narrative and interpretation in the understanding of history from the time of Joan of Arc to our own. *Prerequisite:* Permission of the instructor. *Four credit hours.* **H, I.** TAYLOR

**[418] Research Seminar: Art of Biography: Tudor England** Using film, biography, and the plentiful primary sources from Tudor England, students will learn how to critique a biography and film and conduct research using primary sources. The goal will be to write the biography of a minor figure from English history in this period. Films will include *A Man for All Seasons*, *Lady Jane*, *Six Wives of Henry VIII*, *Anne of the Thousand Days*, *Richard II*, *Mary Queen of Scots*, *Elizabeth R*. *Four credit hours.* **H.**

**421f Research Seminar: Debating the Nazi Past** Analysis and discussion centered on Ian Kershaw's Hitler biography, with special focus on the Holocaust and the difficulties of dealing with the Nazi past after 1945. *Prerequisite:* Permission of the instructor. *Four credit hours.* **H, I.** SCHECK

**[433] Research Seminar: United States Cultural History, 1890-1915** What is culture, how and why should historians study it? Major issues in the methodologies and writing of cultural history as they have been discussed among historians who study the United States. Selected readings in cultural history and historiography and development of a research project in cultural history. *Prerequisite:* Permission of the instructor. *Four credit hours.* **H, U.**

**[435] Research Seminar: The American Civil War** An in-depth study of the Civil War in America, with a series of common readings on the war, including its causes; its aftermath; significant military and political leaders (e.g., Grant, Lee, Longstreet, Sherman, Lincoln, Davis); the experiences and the impact of the war for women and African Americans; the impact of defeat on the South; the ways in which Americans "remember" and "reenact" the war. *Prerequisite:* Permission of the instructor. *Four credit hours.* **H, U.**

**[445] Nuclear Madness** An examination of the place of nuclear technologies in the modern world, using social, cultural, and institutional history, and focusing on the U.S.S.R. and the United States. Nuclear technologies are symbols of national achievement, yet significant scientific uncertainties accompanied their creation, they require significant public outlays, and they have led to dangerous pollution. What explains their great momentum? *Four credit hours.* **H.**

**[446] Research Seminar: Historical Epidemiology** An exploration of humankind's historical experience with epidemic disease. Topics include the evolution of human diseases and those of domesticated animals, urbanization and disease, the integration of disease

reservoirs, "childhood" epidemics, the world's medical traditions and the efficacy of their interventions, the rise of public health and the pharmaceutical industry, and the contemporary challenges of HIV/AIDS and bioterrorism. *Prerequisite:* History 261, 276, or 394. *Four credit hours.* **H.**

**[447] Research Seminar: The Cold War** An examination of the Cold War from both Soviet and American perspectives, tracing the reasons for this prolonged rivalry, the patterns of military and diplomatic confrontation, the global impact of the Cold War, and the upheaval in Soviet-American relations that recently moved the Cold War into the realm of history. *Prerequisite:* Permission of the instructor. *Four credit hours.* **H.**

**[452] Research Seminar: The Rise of Modern East Asia** The transformations of China, Japan, and Korea from the imperial orders of the latter 19th century to the national regimes of the early 20th. Readings and discussions examine changes in politics, society, religion, and culture to consider the shifting definitions of what it means to be Chinese, Japanese, or Korean. *Prerequisite:* Permission of the instructor. *Four credit hours.* **H, D, I.**

**454s Culture and Change in 17th-Century China** China in the 17th century was engulfed in changes, including the expansion of popular literature, economic upheaval, shifting gender roles and social relations, and the complete collapse of the Ming dynasty itself. An exploration of current scholarly approaches to the dynamics of change in this period. *Four credit hours.* **H, D, I.** DITMANSON

**471f Research Seminar: Science, Government, and Culture** Examination of the impact of polity, economic desiderata, and ideology on the practice of scientists and engineers in Weimar and Nazi Germany, the Soviet Union, and the United States in the 1920s and 1930s. How do scientists fare under democracy, communism, and fascism? How do political institutions and cultural constructs shape the nature of their research? *Four credit hours.* **H.** JOSEPHSON

**473f Historical Roots of Political Violence and Ethnic Conflict in Modern Latin America** Why have modern Latin American states consistently faced resistance and rebellion from peasants and indigenous peoples? An interdisciplinary examination of Latin America's colonial legacy, followed by analysis of conflicts spurred by 19th-century Liberalism and 20th-century social revolutions in the Andes, Central America, and Mexico. Special attention paid to ethnicity, political violence, and different theoretical perspectives on how states are (un)made. *Prerequisite:* A previous course on Latin America and permission of the instructor. *Four credit hours.* **H, D, I.** FALLAW

**[477] Research Seminar: The Jews of Eastern Europe: Image and Reality** Major themes of Jewish society, politics, and culture in the lands between Germany and Russia, the center of world Jewry until 1940 and the place of origin of most American Jews. Readings will include legal documents, folk tales, short stories, rabbinic homilies, memoirs, and the Jewish press. *Prerequisite:* History 181, 182, 223, or 227. *Four credit hours.* **H, D, I.**

**483f, 484s History Honors Program** Majors may apply late in their junior year for admission into the History Honors Program. These courses require research conducted under the guidance of a faculty member and focused on an approved topic leading to the writing of a thesis. Upon successful completion of the thesis and the major, the student will graduate "With Honors in History." *Prerequisite:* Senior standing, a 3.3 grade point average in the history major at the end of the junior year, and permission of the instructor. *Four credit hours.* FACULTY

**491f, 492s Independent Study** Individual projects in areas where the student has demonstrated the interest and competence necessary for independent work. *Prerequisite:* Permission of the instructor. *One to four credit hours.* FACULTY



**[494] History Independent Research** Individual projects in areas where the student has demonstrated the interest and competence necessary for independent work. *Prerequisite:* Permission of the instructor. *One to four credit hours.*

## Human Development

*In the Program in Education.*

*A minor in human development is described in the "Education" section of the catalogue.*

## Indigenous Peoples of the Americas

*In the Department of Anthropology.*

ADVISORY COMMITTEE: *Jeffrey Anderson (Anthropology), Ben Fallaw (History and Latin American Studies), David Nugent (Anthropology), Patricia Onion (English)*

The indigenous peoples of the Americas minor is an interdisciplinary course of study offering a survey of the cultural diversity, history, literature, political status, and contemporary issues of the indigenous peoples of South, Central, and North America. The program offers students multiple perspectives for understanding the historical and contemporary experiences and issues of the original peoples of the western hemisphere. The minor is offered to students to support and complement majors, for example, in anthropology, sociology, history, government, Latin American studies, American studies, religious studies, and environmental policy.

### **Requirements for the Minor in Indigenous Peoples of the Americas**

Five courses, including Anthropology 211; four courses selected from Anthropology 213, 217, 235, 256, 329, 354, English 342, History 173, 277, Sociology 252; and one field experience or independent study. Course substitutions and exchanges may be made in consultation with the minor advisor and the department.

The point scale for retention of the minor applies to all courses offered toward the minor. No courses for the minor may be taken satisfactory/unsatisfactory.

## Integrated Studies

*Coordinator, PROFESSOR ROBERT MCARTHUR*

Integrated Studies is a pioneering program in liberal arts education, designed to explore an era or an aspect of world civilization from the perspective of several disciplines. The program is supported by grants from the Christian A. Johnson Endeavor Foundation of New York. The Integrated Studies semester provides an opportunity for students to learn about a subject in depth and to make broad connections among disciplines that will help reveal the essential unity of human knowledge and experience.

Clusters of courses from several disciplines are offered for first-year students and for advanced students. First-year students who elect to take one of the integrated studies clusters will enroll in *all* courses listed in that cluster and will receive credit toward the appropriate area requirements. The courses, which have no prerequisites, are described below and cross-listed in their respective departmental sections of this catalogue. Each course is offered for four credit hours. Enrollment in each first-year cluster is limited to 15-20 students.

Advanced clusters typically involve two integrated courses from different departments or programs and are aimed at sophomores, juniors, and seniors. Students may elect to take *either* course in an advanced cluster or *both*. Advanced cluster course descriptions will be found in the relevant department or program section and are cross-listed below.

In 2004-2005 the program will offer four first-year clusters and three advanced clusters.



## Course Offerings

**126f It's Not Easy Being Green** A three-course cluster (all required) on environmental ethics and literature, with biological science. For descriptions see Biology 131 (lab C is designated for this cluster), English 126, Philosophy 126. *Twelve credit hours.* BURKE, CHRISTENSEN

**133s War, The Modern, and the Cultural Crisis (1910-1945)** A two-course cluster (both required) on the philosophy and literature of the era of two World Wars and the interval between. For descriptions see English 133, Philosophy 133. *Eight credit hours.* BASSETT

**136f Post War World: 1945-70** A two-course cluster (both required) dealing with the literature and philosophy of the post-World War II era, the 1950s and 1960s. For descriptions see English 136, Philosophy 136. *Eight credit hours.* BURKE, MCARTHUR

**175f The Ancient World** A two-course cluster (both required) plus an optional January Program in Greece, with a focus on ancient Greek thought and culture. For descriptions see Anthropology 175, Philosophy 175. *Eight credit hours.* BARRETT, MCPHERRAN

**278s Sexuality and Gender** An advanced two-course cluster on sex, sexuality, and gender as these issues are developed in philosophy and literature. For descriptions see English 386A, Philosophy 298. *Eight credit hours.* FACULTY

**397Af Medieval Worlds** An advanced two-course cluster (both required) with a focus on medieval philosophy, literature, history, architecture, and art. For descriptions see Philosophy 297, History 397A. *Eight credit hours.* COHEN, TAYLOR

**397Bf France and Germany from Democracy to Fascism** An advanced two course cluster that focuses on the cultural and political history of two very different but comparable countries. For descriptions see French 397B, History 397B. Students may take either course, but not both; the courses will meet jointly once each week. *Eight credit hours.* SCHECK, WEISS

## International Studies

*Director*, ASSOCIATE PROFESSOR JENNIFER YODER

*ADVISORY COMMITTEE*: Professors Priscilla Doel (Spanish), Patrice Franko (Economics), Jane Moss (French), and Kenneth Rodman (Government); Associate Professors Kimberly Besio (East Asian Studies), Catherine Besteman (Anthropology), Guilain Denoeux (Government), Paul Josephson (History), Mary Beth Mills (Anthropology), David Nugent (Anthropology), Ursula Reidel-Schrewe (German), Raffael Scheck (History), James Webb (History), and Yoder (Government and International Studies); Assistant Professors Ariel Armony (Government), Ben Fallaw (History and Latin American Studies), and Kashif Mansori (Economics)

### Requirements for the Major in International Studies

Up to 14 courses, including the five courses that constitute the core curriculum; three courses in area studies; three courses from policy studies; and one senior seminar or appropriate independent study (International Studies 494). At least one seminar or senior project must be completed during the senior year as the capstone experience. Majors must complete a concentration within the major unless they have a double major or minor in African studies, anthropology, economics, government, history, French studies, Spanish, Latin American studies, environmental studies, Russian, East Asian studies, Italian, Chinese,

Japanese, or German. Majors also must complete the equivalent of two courses beyond the introductory (usually through 131) level in a modern foreign language. Students are encouraged to develop language skills relevant to their regional specialization. At least one semester of foreign study is required, although under exceptional circumstances students with extensive overseas experience can petition the director and the advisory committee to be exempted. A student must receive a grade of C- or better for a course to count toward the major. No courses listed for the major may be taken satisfactory/unsatisfactory.

*Note:* Students must have at least a 2.70 grade point average by the end of the sophomore year to be eligible for foreign study. Students who do not meet this minimum requirement will not be able to retain their international studies major.

*Note to junior transfer students:* The College requires that all students spend at least four semesters in residence at Colby. Therefore, to satisfy the semester abroad requirement for the major, junior transfer students must either stay for a fifth semester or enroll in a summer study abroad program for at least nine credits (unless the study abroad requirement has been met in some other way).

### **Courses Composing the Core Curriculum:**

Anthropology 112, Economics 133 and 134, Government 131, and History 276.

### **Courses Approved to Fulfill the Area Studies Component:**

Note that (a) at least two courses must be drawn from the same region and one course from a different region, and (b) courses must be drawn from at least two disciplines.

#### ***Latin America:***

<i>Anthropology</i>	231	Caribbean Society and Culture
	235	Latin American Culture and Society
<i>Economics</i>	214	Latin American Economic Policy
	253	Latin American Politics
<i>Government</i>	254	Latin American Politics in Film
	335	United States-Latin American Relations
	450	Democratization in Latin America
	171	Introduction to Latin American Studies
	173	Introduction to Latin American History
<i>History</i>	275	Strongmen and Populism in Modern Spain and Latin America
	473	Historical Roots of Political Violence and Ethnic Conflict in Modern Latin America
	273	Contemporary Spanish-American Short Story
<i>Spanish</i>	371	The Colonial Experience
	493	Senior Seminar (when appropriate)

#### ***Europe and Russia:***

<i>French</i>	232	Cultural History of France
	233	Contemporary France
	238	Introduction to the Francophone World
	252	Provocative Texts: Worlds Apart
	351	French-Canadian Literature and Society
	358	Passionate Discontent: The 19th-Century Epidemic
	372	France and Africa
<i>German</i>	493	Seminar (when appropriate)
	232	Survey of German Culture
	234	Post-War German Culture in Literature and Film
	358	20th-Century German Drama
<i>Government</i>	257	Introduction to Politics and Government of Western Europe
	258	Introduction to Politics and Government of Eastern Europe
	262	German Unification and the Challenges of West-East Integration
	263	The Balkan Crisis
	354	The European Union

<i>History</i>	112	A Survey of Modern Europe
	220	Yugoslavia: Emergence to Dissolution
	223	European Politics, Culture, and Thought, 1789-1914
	224	Germany and Europe, 1871-1945
	227	The Russian Empire: Russia Looks to the West, 1613-1905
	228	The Russian Empire: Soviet History and 20th-Century Revolutions
	322	Europe and the Second World War
	418	Research Seminar: Art of Biography: Tudor England
	421	Seminar: Debating the Nazi Past
	477	Research Seminar: The Jews of Eastern Europe: Image and Reality
<i>Italian</i>	352	Modern and Contemporary Italian Literature and Culture
<i>Russian</i>	231	Topics in Russian Literature, 19th Century
	232	Topics in Russian Literature, 20th Century
	237	19th-Century Russian Literature
	238	20th-Century Russian Literature
	346	20th-Century Russian Poetry
	425	The Russian Short Story
	426	The 19th-Century Russian Novel
	427	Contemporary Russian Studies
	428	The 20th-Century Russian Novel
<i>Spanish</i>	233	Contemporary Spanish Culture
	271	Questions of Identity, Spaces, and Power
	334	Women in Hispanic Texts
	351	Ideology and Ethics in Spanish Golden Age Literature
	352	Don Quijote
	371	The Colonial Experience
	493	Seminar (when appropriate)
<i>Africa:</i>		
<i>Anthropology</i>	237	Ethnographies of Africa
	254	Women of the African Diaspora
<i>French</i>	372	France and Africa
<i>History</i>	261	African History
	284	Zionism and the Jewish State
	364	Ecological and Economic History of Africa
<i>The Middle East:</i>		
<i>French</i>	357	Women Writers in the Maghreb
<i>Government</i>	251	Israelis and Palestinians: Conflict and Accommodation
	252	Politics of the Middle East
	351	United States Policy Toward the Middle East
<i>History</i>	284	Zionism and the Jewish State
<i>Religious Studies</i>	254	Islam and the Middle East
<i>Asia:</i>		
<i>Anthropology</i>	239	Southeast Asian Cultures and Societies
<i>East Asian Studies</i>	152	Introduction to East Asia from the 18th Century to Modern Times
	231	The Chinese Novel: Vignettes of Life in Imperial China
	252	Hell on Earth? Chinese Writers on Modern Chinese Society
	271	Women in Japanese Cinema and Literature
<i>Economics</i>	294	Economic Policy and Performance in East Asia
<i>Government</i>	233	International Relations in East Asia
	255	Introduction to Chinese Politics
	261	Introduction to Japanese Politics

<i>History</i>	254	The World of Ming China, 1368-1644
	256	Japan from Early Times to the 17th Century
	452	The Rise of Modern East Asia
	454	Culture and Change in 17th-Century China
<i>Religious Studies</i>	117	Passage to India: India and the Western Imagination
	211	Religions of India
	212	Religions of China and Japan
	312	South Asian Women at the Crossroads: Tradition and Modernity
	317	Sikhism: Scripture, Sacred Music, and Art
<b>Courses Approved to Fulfill the Policy Studies Component:</b>		
Courses must be drawn from at least two different disciplines.		
<i>Anthropology</i>	213	Human Rights and Indigenous Peoples
	217	Race and Ethnicity: Cross-Cultural Perspectives
	252	Hunger, Poverty, and Population: The Anthropology of Development
	256	Land, Food, Culture, and Power
	373	The Anthropology of Gender and Sexuality
<i>Economics</i>	214	Economic Policy and Performance in Contemporary Latin America
	231	Environmental and Natural Resource Economics
	277	International Finance
	278	International Trade
	292	Economic Transition in China
	294	Economic Policy and Performance in East Asia
	333	Evolution of the Global Economy
	373	Open-Economy Macroeconomics
<i>Environmental Studies</i>	237	Environmental Law
<i>Government</i>	231	United States Foreign Policy: The Cold War
	232	United States Foreign Policy II: After the Cold War
	233	International Relations in East Asia
	235	Sustainable Development
	237	Justice and War
	238	Politics of War Crime Tribunals
	251	Israelis and Palestinians: Conflict and Accommodation
	332	International Organization
	333	Globalization and Social Justice
	334	International Environmental Law
	335	United States-Latin American Relations
	351	United States Policy Toward the Middle East
	354	The European Union
	357	Political Economy of Regionalism
	432	Seminar: United States Foreign Policy
	435	Memory and Politics
	451	Seminar: Political Violence, Revolutions, and Ethnic Conflict
<i>History</i>	322	Europe and the Second World War
	347	America in Vietnam
	364	Ecological and Economic History of Africa
	374	Religion and World War II
	394	Ecological History
	446	Research Seminar: Historical Epidemiology
	447	Seminar: The Cold War
<i>Russian</i>	271	Human Rights in World Literature



<i>Science, Technology, and Society</i>	273	Apocalypse Now: Science, Technology, and the Millennium
	281	Global Environmental History
	356	The Biography of Oil
	393	Technology, War, and Society
<i>Sociology</i>	251	Population Problems in International Perspective
	333	Globalization
	336	The Sociology of Food

### **Courses Approved to Fulfill the Seminar Requirement:**

*\*Note:* the student must submit a copy of the title page of the seminar paper signed by the instructor to demonstrate appropriateness.

<i>Anthropology</i>	452	Anthropology of Power
<i>Economics</i>	47-	Senior Seminar (if topic is appropriate*)
<i>Environmental Studies</i>	493	Environmental Policy Seminar (if topic is appropriate*)
<i>Government</i>	432	Seminar: United States Foreign Policy
	435	Memory and Politics
	450	Seminar: Democratization in Latin America
	451	Seminar: Political Violence, Revolutions, and Ethnic Conflict
<i>History</i>	421	Seminar: Debating the Nazi Past
	447	Seminar: The Cold War
	452	The Rise of Modern East Asia
	477	Research Seminar: The Jews of Eastern Europe: Image and Reality
<i>Languages</i>		Senior-level seminar (if topic is appropriate*)

*Note:* Students can petition the director of the program to count a seminar-style 200- or 300-level course toward the seminar requirement. In such cases, students also will be expected to enroll in International Studies 494 (for two credits) to complete an original research paper. Approval of this option is at the discretion of the instructor and the advisory committee. Students may also pursue a four-credit independent research project (International Studies 494) to fulfill the senior requirement.

*Note:* Some courses are listed under two or three categories; with the exception of counting courses toward the concentration or a second major (if students have a relevant double major or minor [see above]), no single course can be used to satisfy more than one requirement. A minor must have four freestanding courses not required for the major. Students may petition to include other courses if the course has a substantial international component and is approved by the director and advisory committee.

### **Honors Program in International Studies**

An honors program is available in which the student can pursue a year-long independent research project that also fulfills the seminar requirement; successful completion of this project may entitle the student to graduate "With Honors in International Studies." To be eligible, a student must have a grade point average of 3.40 or better in the major and should petition the program for permission to pursue honors by May 1 of the junior year.

### **Requirements for Concentrations**

Majors are required to complete either a regional or policy concentration unless they have a double major or minor in anthropology, Chinese, East Asian studies, economics, environmental studies, French studies, German, government, history, Italian, Japanese, Latin American studies, Russian, or Spanish. Students may propose an independent concentration. Concentrations should be declared by the spring of the sophomore year.

#### *Regional Concentrations:*

A regional concentration requires completion of the following:

- four courses dealing with a specific region. Courses appropriate to each region are listed above under the area studies component. At least two of those courses should be taken at Colby. At least one of the four courses must be drawn from the social sciences and at least one other from the humanities.
- a coordination of area specialization with study abroad. For European concentrators, study abroad would normally take place in a non-English-speaking country.

- a coordination of the language requirement with foreign study where Colby offers an appropriate program.
- a seminar project or independent study in the senior year that addresses issues in the chosen area.

### ***Policy or Functional Concentrations***

Five tracks have been established for policy concentrations:

- International Relations/Foreign Policy
- International Economic Policy
- Development Studies
- Global Environmental Studies
- Power and Inequality

Each track requires at least four courses designated as relevant to the respective field *plus* a seminar or an independent senior project relevant to the chosen specialization. Note that some of the courses appropriate for these concentrations are not designated as international studies courses. While they are relevant to their respective specialization, they do not count toward the requirements for the major or the grade point average in the major. These courses are designated by an asterisk (\*).

### ***International Relations/Foreign Policy***

Students must take a relevant senior seminar (or senior paper) in addition to four of the courses listed below, two of which should be from the Government Department and one from Economics. Introduction to American Government is strongly encouraged as an additional course.

<i>Economics</i>	277	International Finance
	278	International Trade
	333	Evolution of the Global Economy
<i>Government</i>	335	Economic Development: Theory and Experience
	231	United States Foreign Policy: The Cold War
	232	United States Foreign Policy II: After the Cold War
	233	International Relations in East Asia
	237	Justice and War
	238	Politics of War Crime Tribunals
	332	International Organization
	334	International Environmental Law
	335	United States-Latin American Relations
	351	United States Policy Toward the Middle East
	354	The European Union
	357	Political Economy of Regionalism
	432	Seminar: United States Foreign Policy
<i>History</i>	435	Memory and Politics
	322	Europe and the Second World War
	347	America in Vietnam
	374	Religion and World War II
<i>Science, Technology, and Society</i>	447	Seminar: The Cold War
	393	Technology, War, and Society

### ***International Economic Policy***

Students must take a relevant senior seminar (or senior paper) and take four of the courses listed below; one must be outside economics:

<i>Anthropology</i>	252	Hunger, Poverty, and Population
	256	Land, Food, Culture, and Power
<i>Economics</i>	214	Economic Policy and Performance in Contemporary Latin America
	277	International Finance
	278	International Trade
	292	Economic Transition in China

	294	Economic Policy and Performance in East Asia
	333	Evolution of the Global Economy
	335	Economic Development: Theory and Experience
	373	Open-Economy Macroeconomics
<i>Government</i>	332	International Organization
	354	The European Union
	357	Political Economy of Regionalism
<i>History</i>	364	Ecological and Economic History of Africa
<i>Sociology</i>	333	Globalization

### ***Development Studies***

Students must take a relevant senior seminar (or senior paper) and take four of the courses listed below, one of which is drawn from Anthropology 252 or 256, one from Economics 214 or 293, and one outside of anthropology and economics:

<i>Anthropology</i>	213	Human Rights and Indigenous Peoples
	252	Hunger, Poverty, and Population
	256	Land, Food, Culture, and Power
<i>Economics</i>	214	Economic Policy and Performance in Contemporary Latin America
	277	International Finance
	278	International Trade
	335	Economic Development: Theory and Experience
<i>French</i>	372	France and Africa
<i>Government</i>	235	Sustainable Development
	252	Politics of the Middle East
	253	Latin American Politics
	333	Globalization and Social Justice
	353	Promoting Democracy in Transitional Countries
	450	Seminar: Democratization in Latin America
	451	Seminar: Political Violence, Revolutions, and Ethnic Conflict
<i>History</i>	364	Ecological and Economic History of Africa
	394	Ecological History
<i>Sociology</i>	251	Population Problems in International Perspective
	333	Globalization
	336	Sociology of Food

### ***Global Environmental Studies***

Four courses (plus a relevant senior seminar or independent paper), at least three of which must be drawn from the following:

<i>Anthropology</i>	252	Hunger, Poverty, and Population
	256	Land, Food, Culture, and Power
<i>Economics</i>	231	Environmental and Natural Resource Economics
	47-	Economics Seminar (if topic is appropriate)
<i>Environmental Studies</i>	237	Environmental Law
	493	Environmental Policy Seminar
<i>Government</i>	235	Sustainable Development
	334	International Environmental Law
<i>History</i>	394	Ecological History
	446	Research Seminar: Historical Epidemiology
<i>Sociology</i>	251	Population Problems in International Perspective
	336	Sociology of Food
<i>Science, Technology, and Society</i>	281	Global Environmental History

The fourth course can be taken from the above or from one of the courses listed below:

<i>Economics</i>	214	Economic Policy and Performance in Contemporary Latin America
	293	Economic Development of the Third World

<i>Government</i>	332	International Organization
<i>History</i>	364	Ecological and Economic History of Africa
<i>Sociology</i>	333	Globalization

### ***Power and Inequality***

Students must take a relevant senior seminar (or senior paper) and take four of the courses listed below, two of which are drawn from a core of Anthropology 252, 256, 452, Sociology 274, 333.

<i>Anthropology</i>	213	Human Rights and Indigenous Peoples
	217	Race and Ethnicity: Cross-Cultural Perspectives
	252	Hunger, Poverty, and Population
	256	Land, Food, Culture, and Power
	352	Anthropology of Power
<i>Government</i>	272*	Modern Political Theory
	333	Globalization and Social Justice
	451	Seminar: Political Violence, Revolutions, and Ethnic Conflict
<i>History</i>		
<i>Philosophy</i>	236*	Social and Political Philosophy
	312*	Philosophical Topics in Feminist Theory
<i>Sociology</i>	251	Population Problems in International Perspective
	274*	Social Inequality and Power
	333	Globalization
	336	Sociology of Food
<i>Spanish</i>	493	Seminar: Feminine Fictions
<i>Women's, Gender, and Sexuality Studies</i>	311*	Seminar in Feminist Theory

## **Course Offerings**

**111f Human Rights in Global Perspective** Discussion classes addressing human rights topics introduced in lectures and other events sponsored by Colby's Oak Institute for the Study of International Human Rights. These will take place throughout the semester and be led by the Oak Fellow, an international human rights practitioner/activist. This year's Oak Fellow is Ms. Chanthol Oung, director of the Cambodian Women's Crisis Center, an organization that seeks to combat violence against women and the trafficking in women and children through legal intervention, community education, and the provision of shelter. The course will contrast the challenges Oung has faced in promoting these goals in Cambodia with those faced by women's organizations elsewhere in Asia. Nongraded. *One credit hour.*  
OUNG

**483f, 484s Honors in International Studies** A year-long research project for senior majors, resulting in a written thesis to be publicly presented and defended. *Prerequisite:* A 3.25 grade point average and permission of the advisory committee. *Four credit hours.*  
FACULTY

**491f, 492s Independent Study** An independent study project devoted to a topic chosen by the student with the approval of an advisor. *One to four credit hours.* FACULTY

## **Italian**

*In the Department of French and Italian.*  
*All courses are conducted in Italian unless otherwise noted.*

*Chair, PROFESSOR ARTHUR GREENSPAN (FRENCH)*  
*Assistant Professor Mario Moroni; Visiting Assistant Professor Davida Gavioli; Instructor Allison Cooper; Language Assistant Stefano Maccianti*



*Entrance Credit:* If a student offers a foreign language for entrance credit and wishes to continue it in college, that student must either have taken the College Board SAT-II test in the language or take the placement test during orientation.

### Requirements for the Minor in Italian Studies

The minor in Italian studies seeks to acquaint students with the breadth of Italian language and civilization and to introduce them to the life and culture of Italy, from the Middle Ages to the modern and contemporary unified Italian state. Minors are strongly encouraged to spend at least one semester studying in Italy. The minor requires six courses: a minimum of four in the Italian program beginning with Italian 127, and either two additional courses in Italian literature or culture or two courses, which may be taught in English, that deal centrally with one field of Italian cultural studies (for example, Italian art, literature, or music). All courses taken outside of the department must be approved by the department chair.

## Course Offerings

**[117] Italian Women Writers of the 20th Century** A look at cultural and social issues raised in the works of 20th-century women writers in Italy including the turn of the century context, the fascist era's ideal woman, the post-World War II situation, the impact of the feminist movement, and contemporary experimentation. Readings include novels, short stories, and plays. Conducted in English; no knowledge of Italian required. *Three credit hours.* L, D, I.

**125f Italian I** Basic comprehensive course for students with little or no previous knowledge of Italian. Focus is on developing the skills of listening, speaking, reading, and writing at an introductory level as well as familiarizing students with facets of Italy, Italian culture, and contemporary Italian life. Exercises in the language lab constitute an integral component of the course. *Four credit hours.* GAVIOLI

**126s Italian II** Basic comprehensive course for students with little or no previous knowledge of Italian. Focus is on developing the skills of listening, speaking, reading, and writing at an introductory level as well as familiarizing students with facets of Italy, Italian culture, and contemporary Italian life. Exercises in the language lab constitute an integral component of the course. *Prerequisite:* Italian 125. *Four credit hours.* COOPER

**127f Italian III** Continued practice in listening and speaking skills; grammar review, with greater emphasis on writing. Reading and conversation topics taken from contemporary Italian literature; course materials strive to convey a sense and understanding of contemporary Italian society. *Prerequisite:* Italian 126 or equivalent. *Four credit hours.* COOPER

**128s Italian IV: Reading Italian Culture** Through readings of Italian authors (primarily 20th-century prose) and contemporary essayists, the course focuses on the regional differences that both enrich and confound Italian culture and society. Emphases are on reinforcing reading, speaking, and writing skills. *Prerequisite:* Italian 127 or equivalent. *Four credit hours.* MORONI

**235fs Italian Conversation** An informal, weekly, small group meeting for conversation practice, led by the Italian language assistant. Topics will vary, to include everyday life experience, contemporary culture and media, and literature. Conducted in Italian. May be repeated for credit. *Prerequisite:* Italian 127 (may be taken concurrently) or prior study abroad experience in Italy. *One credit hour.* MACCIANTI

**237f Advanced Italian Conversation and Composition** Focus on writing and speaking. Through a series of projects (leading a cultural debate, writing a book, a film review, or a magazine article, delivering a political speech, leading a job meeting) students

work in a variety of styles of expository prose to develop different forms of speech. *Prerequisite:* Italian 128. *Four credit hours.* COOPER

**352s Modern and Contemporary Italian Literature and Culture** The modern history, culture, and society of Italy, covering the political and cultural aspects of Italian unification during the 19th and 20th centuries. Beginning with the Risorgimento, the early 19th-century movement for independence, and continuing through World War II, the Fascist era, and the post-war period. Students will work with texts by 20th-century fiction writers, poems, essays, songs, and films. *Prerequisite:* Italian 237. *Four credit hours.* L. MORONI

**491f, 492s Independent Study** Individual projects in areas where the student has demonstrated the interest and competence necessary for independent work. *Prerequisite:* Permission of the instructor. *Two to four credit hours.* FACULTY

## January Program

Selected courses, offered in January, may be used to fulfill the January Program requirement, which is described under "Academic Requirements." A complete list of offerings is published in the *January Program Course List*, issued in October, when students elect a course for the January term. Enrollment is limited to 30 or fewer students in nearly all courses. First-year students have priority in all noncredit and 100-level courses unless otherwise indicated in the course list.

Most courses to be offered in January are described in this catalogue with the regular semester offerings of each department or program (a "j" following the course number indicates a January Program course). Some courses, however, are independent of any specific department and are described below. Many are not determined until after publication of this catalogue.

## Course Offerings

**002j Emergency Medical Technician Training** Intensive training in basic techniques practiced in emergency medicine. Theory and practical exercises given in conjunction with Kennebec Valley Community College and KVEMSC. Course includes the basic 119-hour EMT program and requires eight to 10 additional hours of clinical practicum in a hospital emergency department or other approved facility. Upon successful completion of the course, which includes examinations, individuals will be eligible to sit for the exams to be certified as a State of Maine and/or National Registry Basic EMT. Supplemental course cost (\$425) covers materials and a required CPR course offered the first day; it does not include text and workbook. *Noncredit.* INSTRUCTOR

**006j Furniture Making** An introduction to the basic techniques and design skills that will enable students to create fine furniture. Hand and power tool techniques taught in a well-equipped shop at the Colby-Hume Center. Required reading: Peter Korn's *Working With Wood*. No charge for materials or supplies. *Prerequisite:* Permission of the instructor. *Noncredit.* HUME

**007j Blacksmithing** An introduction to the basic techniques of forging and metal craft, which will enable students to design and create ornamental ironwork and functional household items. Students will work under the supervision of a blacksmith at the Colby-Hume Center. Required reading: Jack Andrews's *New Edge of the Anvil*. No charge for materials or supplies. *Prerequisite:* Permission of the instructor. *Noncredit.* HUME

**[008] Principles of Residential Design and Construction** A comprehensive introduction to the principles and practices of residential design and construction, this

course will provide future homeowners and aspiring amateur builders a thorough understanding of how a house functions to meet the needs of its occupants. Topics will be examined through a problem-solving approach and will include siting and design considerations, structural requirements, and plumbing, heating, and electrical systems. Eight to 10 hours per week will be spent in the classroom with additional hands-on activities available outside of classroom time. *Noncredit.*

**137j Multidisciplinary Approaches to HIV/AIDS** Since its first appearance in 1981, AIDS became perhaps the world's most serious public health problem. As scientists continue to study its epidemiology, scholars from virtually every discipline have begun to address the psychological, sociological, spiritual, economic, and ethical implications of this disease, and scholars in literature, music, and art depict these implications in a variety of media. Accordingly, the goal of the course is to explore AIDS from the perspective of several academic disciplines. *Two credit hours.* INSTRUCTOR

## Japanese

*In the Department of East Asian Studies.*

*Chair, PROFESSOR KIMBERLY BESIO [CHINESE]*

*Professor Tamae Prindle; Associate Professor Besio; Assistant Professor Randle Keller Kimbrough; Language Assistant Naomi Miyake*

A minor in Japanese is offered for students who have a substantial interest in Japanese language and culture.

### **Requirements for the Minor in Japanese**

Five language courses of at least three credits each at the level of Japanese 126 or above, and one more course with a substantial literary/cultural component to be chosen from either Japanese 421, 422, or a course on Japanese literature at the 200 level or higher (Japanese literature courses are listed in the "East Asian Studies" section of the catalogue). Students who start taking Japanese from an upper level are expected to take at least four language courses probably including 421, 422, and independent study 491 and 492. *Note: the minor in Japanese is intended for non-East Asian studies majors. East Asian studies majors must declare either a Chinese concentration or a Japanese concentration within the major.*

## Course Offerings

**125f, 126s Elementary Japanese I, II** Introduction to the spoken and written language, to provide a thorough grounding in all the language skills: speaking, listening, reading, and writing. *Prerequisite:* Japanese 125 is prerequisite to 126. *Five credit hours.* NAKAGAWA

**127f, 128s Intermediate Japanese I, II** A continuation of the methods and goals used in elementary Japanese. *Prerequisite:* Japanese 126; Japanese 127 is prerequisite to 128. *Four credit hours.* KIMBROUGH

**135fs Conversational Japanese I** In a small group setting, students practice speaking. Nongraded. *Prerequisite:* Concurrent enrollment in Japanese 125 or 126. *One credit hour.* MIYAKE

**235fs Conversational Japanese II** In a small group setting, students practice speaking. Nongraded. *Prerequisite:* Concurrent enrollment in Japanese 127 or 128. *One credit hour.* MIYAKE

**321f, 322s Third-Year Japanese** Advanced reading, audiovisual comprehension, and writing practices in Japanese. Designed primarily for those students who have had substantial

experience in a Japanese-speaking setting. *Prerequisite:* Japanese 128; Japanese 321 is prerequisite to 322. *Four credit hours.* NAKAGAWA

**[335] Conversational Japanese III** In a small group setting, students practice speaking. Nongraded. *Prerequisite:* Concurrent enrollment in Japanese 321, 322, 421, or 422. *One credit hour.*

**421f, 422s Fourth-Year Japanese** Further reading, writing, listening, and speaking in Japanese, using current newspaper articles, short stories, and audiovisual materials. *Prerequisite:* Japanese 322; Japanese 421 is prerequisite to 422. *Four credit hours.* KIMBROUGH, NAKAGAWA

**491f, 492s Independent Study** Individual projects in areas where the student has demonstrated the interest and competence necessary for independent work. *Prerequisite:* Permission of the instructor. *Two to four credit hours.* FACULTY

# Jewish Studies

*Director, ASSOCIATE PROFESSOR ELISA NARIN VAN COURT*  
PROGRAM FACULTY AND ADVISORY COMMITTEE: *Professors Guilain Denoeux (Government), David Suchoff (English), and Robert Weisbrot (History); Associate Professors Narin van Court (English) and Raffael Scheck (History); Assistant Professor Howard Lupovitch (History); Visiting Instructors Eugene Avrutin (History) and Rabbi Raymond Krinsky*

The Jewish Studies Program is an academic program affiliated with the Division of Interdisciplinary Studies. The program seeks to acquaint students with the breadth of Jewish culture, to introduce them to life and culture in the modern state of Israel, and, because Hebrew has been the primary vehicle of Jewish expression in Israel and in the diaspora, to help them attain a working knowledge of the Hebrew language. Through the minor in Jewish studies, the program offers students an opportunity to take courses in the following areas of Jewish studies: history, literature and thought, Israeli society and politics, and Hebrew. The interdisciplinary nature of Jewish studies allows students to take courses in different departments, including History, Religious Studies, English, and Government.

## Requirements for the Minor in Jewish Studies

A minimum of seven courses including two core courses (History 181 and 182) and five other courses in Jewish studies selected from the following list. Students are strongly encouraged to pursue the study of Hebrew, either by completing two semesters of biblical Hebrew (Religious Studies 201, 202) or by studying modern Hebrew in Israel. Students may count up to two courses in Hebrew toward the five elective courses required for the minor.

Successful completion of the minor requires a 2.00 average for all requirements above. None of the required courses may be taken satisfactory/unsatisfactory.

Courses listed below are described in the appropriate department sections of this catalogue.

## Courses approved for the Minor in Jewish Studies:

<i>English</i>	349	Modern Jewish Writing
	397E	Christ-Killers, Moneylenders, Prophets, and Neurotics: Jews in Literature Medieval to Modern
<i>Government</i>	251	Israelis and Palestinians: Conflict and Accommodation
	252	Politics of the Middle East
<i>History</i>	181	Jewish History I: From Antiquity to 1492
	182	Jewish History II: From 1492 to the Present
	281	Jews and Judaism in America
	284	Zionism and the Jewish State
	384	Dilemmas of Modern Jewish Identity
	386	Anti-Semitism



<i>Religious Studies</i>	421	Research Seminar: Debating the Nazi Past
	477	Research Seminar: The Jews of Eastern Europe
	151	Reflections on Evil: A Study of the Book of Job
	233	Introduction to Hebrew Scriptures
	393	Judaism: Ancient and Modern

## Course Offerings

**491f, 492s Independent Study** *One to four credit hours.* FACULTY

## Latin

*In the Department of Classics.*

*The Classics Department offers courses listed in this catalogue under "Ancient History," "Classics," "Greek," and "Latin."*

## Course Offerings

**111f Introductory Latin** Learn Latin grammar and syntax while reading Roman comedy! Laugh your way through declensions and conjugations and develop reading skills. *Four credit hours.* O'NEILL

**112s Intermediate Latin** As one learns more Latin, one reads extracts from Roman law courts. If the toga doesn't fit, you must acquit. *Prerequisite:* Latin 111. *Four credit hours.* O'NEILL

**131f Introduction to Latin Literature** Selected readings, see Latin 251 for 2004 description. Successful completion of this course fulfills the College language requirement. *Prerequisite:* Latin 112, or appropriate score on the College Board Latin SAT-II test or placement test administered during new student orientation. *Four credit hours.* L. O'NEILL

**[237] Runaways, Wolves, and Kings—Livy's History of Rome** Livy's account of the foundation and early days of Rome has less to do with history than with myth and legend. These famous stories give insight into how the Romans constructed their heroes and villains, and Livy writes beautiful Latin prose. *Prerequisite:* Latin 131. *Four credit hours.* L.

**251f Ovid: *Metamorphoses*** An examination of Ovid's most famous work for evidence of the author's views on poetry, politics, and power, as a basis for discussion of Ovid's artistry and inventiveness. *Prerequisite:* Latin 131. *Four credit hours.* L. O'NEILL

**[255] Forbidden Love: *Dido and Aeneas* (Virgil, Book 4)** Translation and analysis of selections from the *Aeneid* concerning the ill-starred love of Dido and Aeneas. Topics for discussion include duty vs. love, Dido as foreign enchantress, Virgil and Homer, love as a madness/disease, and legitimate couple or illicit lovers? *Prerequisite:* Latin 131. *Four credit hours.* L.

**[341] Sacred Rites and Erotic Magic: Propertius 4** An analysis of the two, rival poetic programs of Propertius 4; how "patriotic" poems become erotic manifestos, and how sacred rites are profaned by erotic ritual. *Prerequisite:* Latin 131. *Four credit hours.* L.

**[355] Roman Satire: Mockery, Ridicule, and Outrage** The only literary genre claimed by the Romans as their own invention, satire targets everyone in its scathing and humorous attacks, as it paints a vivid picture of the urban landscape of ancient Rome. Readings from Horace and Juvenal. *Prerequisite:* Latin 131. *Four credit hours.*

[358] **Tacitus: *Agricola*** *Prerequisite:* Latin 131. *Four credit hours.* L.

**362s Lovers, Exiles, and Shepherds—Virgil's *Eclogues*** The *Eclogues* have exerted a tremendous influence on later poets across Europe and the Americas. Virgil's bucolic poetry draws on ancient learning, contemporary politics, and his own artistic sensibility. *Prerequisite:* Latin 131. *Four credit hours.* O'NEILL

**491f, 492s Independent Study** Reading in a field of the student's interest, with essays and conferences. *Prerequisite:* Permission of the instructor. *One to four credit hours.* FACULTY

## Latin American Studies

*Director,* PROFESSOR DAVID NUGENT

*ADVISORY COMMITTEE:* Professors Patrice Franko (*Economics*), Nugent (*Anthropology*), and Jorge Olivares (*Spanish*); Associate Professors Luis Millones-Figueroa (*Spanish*) and Betty Sasaki (*Spanish*); Assistant Professors Ariel Armony (*Government*), Daniel Contreras (*English*), Ben Fallaw (*History and Latin American Studies*), and Maritza Straughn-Williams (*Anthropology and African-American Studies*)

### Requirements for the Major in Latin American Studies

A total of 10 courses, including Introduction to Latin American Studies (Latin American Studies 171), Advanced Spanish Grammar (Spanish 231), two Latin American literature courses at the 200 level or above, History of Latin America (History 173), four additional courses on Latin America at the 200 level or above from at least three disciplines other than literature, and one senior seminar or senior project.

Students must receive a grade of C- or better for a course to count toward the major. No major requirements may be taken satisfactory/unsatisfactory. The point scale for retention of the major applies to all courses taken to fulfill the major.

Majors are required to spend at least one semester in Latin America matriculated in a program that offers university-level courses (not in a language acquisition program); all course work abroad must be conducted in either Spanish or Portuguese. All study abroad plans must be approved by the director of the Latin American Studies Program. No more than the equivalent of four semester courses of foreign study or transfer credit may be counted toward the major. A minimum grade point average of 2.70 is required for admission to study abroad.

*Note:* Students wishing to fulfill the advanced grammar requirement in Portuguese must enroll, after securing the approval of the director of the Latin American Studies Program, in either a one-semester language program abroad (which will *not* replace the study abroad requirement) or in an intensive summer language program that certifies advanced proficiency.

### Honors in Latin American Studies

Students majoring in Latin American studies with a 3.30 major average or better at the end of their sixth semester (including course work done abroad) may apply for admission to the honors program by the Friday after fall break of their senior year. Permission is required. It involves a year-long independent research project that replaces the senior seminar requirement. Successful completion of the work of the honors thesis and of the major will enable the student to graduate "With Honors in Latin American Studies."

### Courses Approved for the Major in Latin American Studies

<i>Anthropology</i>	217	Race and Ethnicity: Cross-Cultural Perspectives
	231	Caribbean Society and Culture
	235	Latin American Culture and Society
	254	Women of the African Diaspora
<i>Economics</i>	214	Economic Policy and Performance in Contemporary Latin America
<i>Government</i>	253	Latin American Politics
	254	Latin American Politics in Film

	335	United States-Latin American Relations
	450	Seminar: Democratization in Latin America
<i>History</i>	173	History of Latin America
	272	History of Law, Society, and Rebellion in Mexico
	273	History of Women, Gender, and Family in Latin America
	275	Strongmen and Populism in Modern Spain and Latin America
	277	History of the Maya from 200 B.C.
<i>Spanish</i>	473	The Roots of Conflict in Modern Latin America
	231	Advanced Spanish
	273	Contemporary Spanish-American Short Story
	276	U.S. Latina/Chicana Women Writers
	371	The Colonial Experience: European and Amerindian Responses to the Cultural Encounter
	493A	Seminar: Natural Histories of Colonial Americas

## Course Offerings

**[171] Introduction to Latin American Studies** An intensive, cross-disciplinary introduction to Latin American society and culture. Elite and popular search for identity through writings and art (music, painting, murals). Institutions and structures found across Latin America such as frontiers, the landed estate, urban shantytown, religious syncretism. *Four credit hours.* **H, D, I.**

**483f, 484js Senior Honors Thesis** A year-long research project for senior majors, resulting in a written thesis to be publicly presented and defended. Students may register either for two credits in the fall, January, and spring terms or for three credits in the fall and spring terms. *Prerequisite:* a 3.3 or higher major average at the end of the junior year and permission of the Latin American studies advisory committee. *Two or three credit hours.*  
FACULTY

**491f, 492s Independent Study** An independent study project devoted to a topic chosen by the student with the approval of an advisor. Only independent studies taken with a Colby faculty member and approved by the director of the Latin American Studies Program may count toward fulfilling major requirements. *One to four credit hours.* FACULTY

## Literature in Translation

*Courses may be offered by the departments of Classics, East Asian Studies, French and Italian, German and Russian, and Spanish*

*Note:* All courses listed in this section fulfill the area requirement in Literature (**L**). Course descriptions and indications of other area designations are included in the sections of the various departments. Literature courses in translation scheduled for 2004-2005 include the following:

<i>Classics</i>	236	Roman Legends and Literature
	240	The Tragic Hero: The Drama of Sophocle
<i>East Asian Studies</i>	232	Male Friendship in Chinese Literature re
	234	Pioneering the Modern: The Literature of Edo and Meiji Japan
	272	Love and Death in the Literature of Pre-Modern Japan
<i>German</i>	237	The German Fairy Tale in Popular Culture
	240	The Tragic Hero: The Drama of Sophocles
<i>Russian</i>	174	Chekhov and the Short Story Tradition
	237	19th-Century Russian Literature

# Mathematics

*Chair*, PROFESSOR THOMAS BERGER

*Professors Berger, Fernando Gouvêa, and Benjamin Matthes; Visiting Professor William Berlinghoff; Associate Professors Jan Holly, Leo Livshits, and George Welch; Assistant Professors Otto Bretscher, Liam O'Brien, and Katherine St. Clair; Faculty Fellows Alvaro Lozano-Robledo and Victor Shubov*

The Department of Mathematics offers courses in mathematics and statistics for students who: (1) plan a career in an area of pure or applied mathematics; (2) need mathematics as support for their chosen major; or (3) elect to take mathematics as part of their liberal arts education or to fulfill the area requirement in quantitative reasoning.

The department offers three programs: majors in mathematics and mathematical sciences and a minor in mathematics. Majors in mathematics and mathematical sciences can be taken with honors. In addition, there is an interdepartmental joint major in economics-mathematics.

Colby mathematics majors in recent years have entered graduate school to do advanced work in mathematics, statistics, computer science, biomathematics, and physics. They also have used the major as a solid foundation for careers in teaching, law, banking, insurance, management, the computer industry, and other areas.

All first-year students who intend to enroll in one of the 100-level calculus courses in the fall semester are required to complete the mathematics placement questionnaire prior to registration.

## **Requirements for the Major in Mathematics**

Completion of one year of calculus, Mathematics 253, 274, 333, 338, either Mathematics 434 or 439, plus four additional courses selected from three- or four-credit mathematics courses numbered 300 or above (excluding Mathematics 484). In exceptional cases, with the permission of the department, another 400-level course may be substituted for 434 or 439.

Although Mathematics 302 and 352 are not specifically required, the department strongly recommends that mathematics majors complete both courses.

## **Requirements for the Major in Mathematical Sciences**

Completion of one year of calculus, Mathematics 253, 274, 302, Computer Science 151; one course (to establish an overall "theme" for the major) selected from Mathematics 311, 332, 372, 381, Computer Science 231; four three- or four-credit courses selected from mathematics courses numbered 200 or above (excluding Mathematics 484). With written permission of the advisor, one (or, in exceptional cases, two) of these courses may be replaced by a course with significant mathematical content from another department.

## **Requirements for the Honors Program in Mathematics or Mathematical Sciences**

An honors program is available for students majoring in mathematics and mathematical sciences who have a grade point average of at least 3.25 in all mathematics courses numbered 200 or higher and who complete an additional, pre-approved program of independent study in the major (Mathematics 484) culminating in both a written paper and a colloquium presentation. Students who successfully complete the requirements and who receive recommendation of the department will graduate "With Honors in Mathematics" or "With Honors in Mathematical Sciences."

## **Requirements for the Minor in Mathematics**

Six three- or four-credit mathematics courses, including completion of at least one semester of calculus, Mathematics 253, and at least one course at the 300 level or above.

The point scale for retention of the majors and minor applies to all courses in the majors/minors. No requirement for the majors or minor may be taken satisfactory/unsatisfactory.



## Course Offerings

**[101] Calculus with Precalculus I** Designed for students who enter Colby with insufficient precalculus background for the standard calculus sequence. It is expected that all students who complete Mathematics 101 will enroll in Mathematics 102 in the following January. The combination of 101 and 102 covers the same calculus material as Mathematics 121. Completion of 101 alone does not constitute completion of a College calculus course for any purpose; in particular, it does not qualify a student to take Mathematics 122 nor does it satisfy the quantitative reasoning requirement. Students electing this course must complete the mathematics placement questionnaire prior to registration. *Three credit hours.*

**[102] Calculus with Precalculus II** A continuation of Mathematics 101. Successful completion of both Mathematics 101 and 102 is equivalent to completion of Mathematics 121. *Prerequisite:* Mathematics 101. *Three credit hours.* **Q.**

**110f Elementary Statistics** An introduction to basic concepts in statistics with a focus on statistical literacy. Students will learn practical applications, and the language and reasoning involved in analyzing data including the use of statistical software. Topics include graphical and numerical methods for summarizing data, central tendency, variability, introductory probability, designing experiments and collecting data, and evaluating data from experiments, studies, and surveys. Does not count toward any major or minor. Credit may be received for only one of Mathematics 110, 112, 212, or 231. *Four credit hours.* **Q.** ST. CLAIR

**111s Mathematics as a Liberal Art** The historical and contemporary role of mathematics in culture and intellectual endeavor; the nature of contemporary mathematics; mathematics as a tool for problem solving; logical reasoning; selected topics from modern mathematics. *Four credit hours.* **Q.** BERLINGHOFF

**121fs Single-Variable Calculus** Differential and integral calculus of one variable: limits and continuity; differentiation and its applications, antiderivatives, the definite integral and its applications; exponential, logarithmic, and trigonometric functions. Students electing this course in the fall term must complete the mathematics placement questionnaire prior to registration. *Four credit hours.* **Q.** FACULTY

**122fs Series and Multi-Variable Calculus** Further study of calculus of one and several variables: infinite series; vectors and analytic geometry in two and three dimensions; partial derivatives; multivariable calculus. *Prerequisite:* A course in single-variable calculus. *Four credit hours.* **Q.** FACULTY

**[131] Complements to Calculus** Intended for students with some prior exposure to calculus who do not feel prepared to enter Mathematics 122 or 161, the course will reinforce and complement calculus concepts by relating calculus with other areas of mathematics, such as discrete mathematics, linear algebra, and complex variables. For students with no prior exposure to calculus, this course may be taken concurrently with Mathematics 121. *Prerequisite:* Previous exposure to calculus. *Four credit hours.* **Q.**

**161f Honors Calculus I** The first course in the honors calculus sequence. A synthesized approach to the calculus of one and several variables presented as a deductive mathematical theory, with emphasis on concepts, theorems, and their proofs. May not be taken for credit if the student has earned credit for Mathematics 122. First-year students must complete the mathematics placement questionnaire before selecting this course. *Prerequisite:* One year of calculus in high school. *Four credit hours.* **Q.** MATHES

**162s Honors Calculus II** A continuation of Mathematics 161. Integral calculus of several variables, infinite series. May not be taken for credit if the student has earned credit for Mathematics 122. *Prerequisite:* Mathematics 161. *Four credit hours.* MATHES

**194s Mathematics Seminar** Informal discussion of topics related to the mathematical sciences. Topics vary but are centered on a single book whose emphasis will generally be on the non-technical, humanistic side of mathematical endeavors. May be repeated for credit. Nongraded. *One credit hour.* BERGER

**212fs Introduction to Statistical Methods** A first course in statistical methods for scientists, this course addresses issues for proposing/designing an experiment, as well as exploratory and inferential techniques for analyzing and modeling scientific data. Topics include descriptive statistics, design of experiments, randomization, elementary probability, random variables, discrete and continuous probability distributions, contingency tables, measures of association for categorical variables, confidence intervals, one- and two-sample tests of hypotheses for means and proportions, analysis of variance, correlation/regression, logistic regression, nonparametrics. Statistical computing packages will be used throughout. Credit may be received for only one of Mathematics 110, 112, 212, or 231. *Four credit hours.* Q. O'BRIEN, ST. CLAIR

**231fs Applied Statistics and Regression Analysis** Elementary probability theory, special discrete and continuous distributions, descriptive statistics, sampling theory, confidence intervals, tests of hypotheses, correlation, linear regression, and multiple linear regression. Examples and applications slanted toward economics. Credit may be received for only one of Mathematics 110, 112, 212, or 231. *Prerequisite:* Mathematics 102, 121, or 161. *Four credit hours.* Q. O'BRIEN, ST. CLAIR

**253fs Linear Algebra** Solutions of linear systems of equations, matrix algebra, determinants. Introduction to abstract vector spaces and linear transformations, eigenvalues, and eigenvectors. *Prerequisite:* Mathematics 102, 121, 131, or 161. *Four credit hours.* BRETSCHER, MATHES

**274fs Introduction to Abstract Mathematical Thought** An introduction to fundamental mathematical techniques used in upper-level mathematics courses. The course presents the principles of mathematical logic and uses them to examine standard methods of direct and indirect proof, including mathematical induction. Topics include techniques from finite mathematics, the set theoretic approach to functions and relations, and the theory of infinite sets. *Prerequisite:* Mathematics 102, 121, 131, or 161. Two semesters of calculus is recommended. *Four credit hours.* LIVSHITS, SHUBOV

**302s Vector Calculus** An advanced calculus course. Vectors, lines, and planes; limits, continuity, derivatives, and integrals of vector-valued functions; polar, spherical, and cylindrical coordinates; partial and directional derivatives; multiple integrals; line and surface integrals; Green's Theorem; Stokes's Theorem; Fourier series; applications. Typically involves the use of a large computer mathematics package such as Mathematica or Maple. *Prerequisite:* Mathematics 122 or 162. *Four credit hours.* BERGER, BRETSCHER

**311fs Introduction to Differential Equations** Theory and solution methods of ordinary differential equations; linear differential equations; first-order linear systems; qualitative behavior of solutions; nonlinear dynamics; existence and uniqueness of solutions; applications. *Prerequisite:* Mathematics 122 or 162, and 253. *Four credit hours.* J. HOLLY

**[312] Partial Differential Equations** An introduction to partial differential equations. Linear and nonlinear partial differential equations, systems; initial value problems, boundary value problems; analytic and numerical methods of solution; applications. *Prerequisite:* Mathematics 253 and either 302 or 311 (either of the latter may be taken concurrently). *Four credit hours.*

**[313] Differential Geometry** An introduction to the differential geometry of curves and surfaces in three-dimensional space. Curves: tangent, normal, and binormal vectors; curvature and torsion; the moving frame. Surfaces: the first and second fundamental forms, the *Theorema Egregium*, sectional and Gaussian curvature, and selected additional topics. *Prerequisite:* Mathematics 122 or 162, and 253, 274. *Four credit hours.*

**315f Geometry** Euclidean geometry and its symmetries applied to modern topics in geometry. *Prerequisite:* Mathematics 253. *Four credit hours.* BERGER

**332s Introductory Numerical Analysis** Solution by numerical methods of linear and nonlinear equations, systems of equations, and differential equations; numerical integration; polynomial approximation; matrix inversion; error analysis. *Prerequisite:* Mathematics 122 or 162, and 253. *Four credit hours.* J. HOLLY

**333f Abstract Algebra** Introduction to algebraic structures, such as groups, rings, integral domains, and fields. *Prerequisite:* Mathematics 253 and 274. *Four credit hours.* GOUVÊA

**[336] Mathematical Economics** Listed as Economics 336 (q.v.). *Prerequisite:* Economics 223, 224, and Mathematics 122 or 162. *Four credit hours.*

**338s Real Analysis** An introduction to real analysis, with special focus on foundational issues. *Prerequisite:* Mathematics 122 or 162, and 274. *Four credit hours.* MATHES

**[352] Complex Variables** The arithmetic and calculus of complex numbers and functions. The properties of analytic functions, including Cauchy's integral theorem and formula, representation by Laurent series, residues and poles, and the elementary functions. Offered in alternate years. *Prerequisite:* Mathematics 122 or 162, and 274. *Four credit hours.*

**[357] Elementary Number Theory** An introduction to the theory of numbers. Factorization and primes: unique factorization, greatest common divisors, the sequence of primes, primality testing and factoring on the computer, connections with cryptography. Congruences: linear congruences, theorems of Fermat, Euler, and Wilson, Chinese remainder theorem, quadratic residues, quadratic reciprocity law. Further topics chosen by the instructor. Offered in alternate years. *Prerequisite:* Mathematics 102, 121, 131, or 161. Two semesters of calculus or Mathematics 253 is recommended. *Four credit hours.*

**[372] Mathematical Modeling** Application of mathematics to real-life problems in a variety of areas. Interpretation of existing mathematical models, analysis, and computer simulation. Formulation and development of mathematical models. *Prerequisite:* Mathematics 122 or 162, and 253. *Four credit hours.*

**[373] Operations Research** A survey of the application of scientific methods to the study of organizational operations via quantitative models. *Prerequisite:* Mathematics 112 or 231, and 253. *Four credit hours.*

**376s History of Mathematics** A survey of the history of mathematics from the dawn of civilization. Original sources will be examined. The instructor may choose to focus on one theme or topic and its development throughout the history of mathematics. *Prerequisite:* Mathematics 274. *Four credit hours.* H. GOUVÊA

**[378] Introduction to the Theory of Computation** Listed as Computer Science 378 (q.v.). *Prerequisite:* Mathematics 274 or Computer Science 231 and either Mathematics 122 or 162. *Four credit hours.*

**381f Mathematical Statistics I: Probability** A first course in probability covering axiomatic foundations, combinatorics, random variables, discrete and continuous probability

distributions, special probability distributions, independence, conditional and marginal probability distributions, properties of expectations, moment generating functions, sampling distributions, weak and strong laws of large numbers, and the central limit theorem. *Prerequisite:* Mathematics 122 or 162. *Four credit hours.* O'BRIEN

**382s Mathematical Statistics II: Inference** An introduction to statistical inference covering method of moments and maximum likelihood estimation, sample properties of estimators including sufficiency, consistency and relative efficiency, Rao-Blackwell theorem, tests of hypotheses, confidence intervals, linear models, analysis of variance, and regression. Although applications are discussed the emphasis is on theory. *Prerequisite:* Mathematics 381. *Four credit hours.* O'BRIEN

**[391] Problem-Solving Seminar** Seminar on problem-solving designed for students of all levels. The focus is on mathematical puzzles and curiosity-driven mathematics. The goal is to explore systematic ways in which non-standard problems can be approached. Facts and strategies presented will be of value to both pure and applied pursuits. Nongraded. *One credit hour.*

**434s Topics in Abstract Algebra** A sequel to Mathematics 333. Topics may vary from year to year. May be repeated, with permission of instructor, for credit. *Prerequisite:* Mathematics 333. *Four credit hours.* GOUVÊA

**439f Topics in Real Analysis** A sequel to Mathematics 338. Content may vary from year to year, but topics such as topology, measure theory, functional analysis, or related areas may be considered. May be repeated for credit with permission of instructor. *Prerequisite:* Mathematics 338. *Four credit hours.* MATHES

**484s Honors Independent Study** The independent study component of the honors program in mathematics. Cannot be counted toward the major or minor. *Prerequisite:* Permission of the instructor and admission to the honors program. *Three or four credit hours.* FACULTY

**491f, 492s Independent Study** Independent study in an area of mathematics of particular interest to the student. *Prerequisite:* Permission of the instructor. *One to four credit hours.* FACULTY

## Music

*Chair,* PROFESSOR STEVEN SAUNDERS

*Professors Paul Machlin and Saunders; Associate Professors Jonathan Hallstrom, Eva Linfield, and Steven Nuss; Adjunct Associate Professor Cheryl Tschanz; Faculty Fellow David Rothenberg*

The Colby Music Department integrates academic instruction in music with a broad range of performance opportunities. Both the music major and the music minor include Western music history, tonal and post-tonal analysis, and applied music, while allowing students flexibility to emphasize composition, theory, history, performance, or popular music. Course offerings range from music history and theory to musicianship, conducting, composition, world music, jazz history, and American popular music. Music students acquire a broad range of critical, analytical, and performing skills, preparing them for careers in higher education, performance, teaching, arts management, librarianship, and music technology, as well as fields outside music that demand abstract reasoning, aesthetic sensitivity, and analytical skill.

The Music Department is housed in the Bixler Art and Music Center, whose facilities include a 394-seat recital hall, a large band/orchestra rehearsal room, a state-of-the-art



electronic music studio, classrooms, two seminar rooms, faculty offices, and practice rooms. Performances are scheduled in the recital hall, in the Page Commons Room, and in Lorimer Chapel. In addition to its collection of books, scores, and performing editions, the art and music library includes a listening center, a large collection of CDs, DVDs, and other recordings, a computer cluster, scanning and digital sound-processing facilities, a seminar/study room, and resource materials for curricular and recreational needs. Colby is also home to the Ralph T. Gould Collection, a set of more than two dozen 19th-century brass and woodwind instruments.

### **Requirements for the Major in Music**

Music 111, 181, 182, 184, 241, 242, 281, 282, 341, 493; one elective in music at the 200 level or higher; two semesters of lessons and two semesters of ensemble participation. The department requires majors to demonstrate keyboard proficiency through a brief examination by the end of the first semester of the junior year. The specific elements of the exam are available from the department.

The point scale for retention of the major applies to all courses in music. No requirement for the major may be taken satisfactory/unsatisfactory.

### **Requirements for the Minor in Music**

Music 111, 181, 182; one semester of music history chosen from Music 241, 242, 341; two four-credit music courses at the 200 level or higher (or one 200-level course and Music 184); and two semesters of applied music (both of which must be taken on the same instrument). The College does not subsidize the cost of lessons for minors. For additional information concerning applied music options, refer to the statement below.

### **Honors in Music**

An honors program is available to students majoring in music who have a 3.25 overall grade point average and a 3.50 average in the major. In addition to fulfilling the requirements for the music major, honors students must take one additional course in music, approved by the department, at the 300 level or above; they must also complete the honors sequence (Music 483, 484) in one of four areas (analysis, history, performance, or theory/composition). During the second semester of the junior year, students seeking admission to the honors program submit a formal proposal outlining their proposed research or creative project to the department for approval.

### **Applied Music**

Private lessons in voice and a variety of instruments are available, with or without academic credit (see Music 091, 191). Music 153 or Music 181 fulfills the co-requisite for graded credit in Music 191 and 193.

Fees for lessons, billed through the College business office, depend upon the number of credits elected; consult the Music Department for specific charges. Extracurricular instruction in applied music is also available in January and may satisfy a January requirement; no academic credit for applied music may be earned in January. Students electing Music 091 or 191 or taking extracurricular instruction must consult the applied music coordinator. Individual lessons/times are scheduled in consultation with the appropriate applied music associate. *Note:* By electing any applied music, the student incurs a responsibility for the appropriate fee.

Music majors, beginning in the first semester of their sophomore year, are eligible for six semesters of subsidized instruction in applied music (Music 191 for two credits) in the instrument of their choice. Majors are also eligible for an additional four semesters of subsidized instruction; however, the College will not fund more than two instruments per semester, and when piano is being studied in preparation for the proficiency exam, it will be considered the second instrument. Majors who study with approved instructors who are not members of the Music Department's applied music staff may be eligible for the same subsidy; consult the applied music coordinator for specific criteria.

*Note:* all three- or four-credit hour courses offered by the Music Department, fulfill the area requirement in arts (A). Those that also fulfill the diversity requirement are so designated.

## Course Offerings

**091 Lessons: Noncredit (or JP)** Noncredit instruction in voice and instruments for qualified students. Regular offerings include violin, viola, violoncello, piano, voice, flute, guitar (classical, American traditional, and jazz), and selected brass and woodwind instruments. One 30- or 60-minute lesson weekly in fall and spring; two 45-minute lessons weekly in January. For additional information concerning fees, scheduling, and related matters, see the Music Department secretary. Cost during January Program: \$210. *Noncredit.* FACULTY

**093 Applied Music: Ensemble, Noncredit** Noncredit participation in musical ensembles sponsored by the Music Department. See description for 193.

**111s Introduction to Music** An exploration and celebration of the art of listening. Develops techniques and vocabulary for critical listening, emphasizing student involvement with a wide range of musical works. Stresses both the structure of musical works and their place in Western culture and history. Survey of styles during the major historical periods: Medieval, Renaissance, Baroque, Classical, Romantic, and Modern. No previous musical experience is assumed. *Four credit hours.* A. SAUNDERS

**114j Jazz Improvisation** Basic jazz theory and improvisation, including melody-, scalar-, modal-, and chord-based improvisation. Introduction to arranging for jazz groups and interactions between soloists and background musicians; jazz style and performance practices. The class includes semi-private instruction, and performances in both large groups and smaller combos. Listening assignments include jazz greats. Instrumentalists and vocalists welcome. *Prerequisite:* Ability to sing or play major scales. *Three credit hours.* A. THOMAS

**[115] History of Chamber Music** A history of music for string quartet offered by the members of the Portland String Quartet, artists-in-residence at Colby. Representative works by Haydn, Mozart, Beethoven, Schubert, and others will be studied in their cultural and historical contexts. *Two credit hours.*

**[117] Music and the Divine** Recent and classic scholarship in the fields of quantum physics and chaos theory, Eastern and Western theologies and myths, literary, cultural, and music theory, and gender studies (among others) will be used as vehicles to hear how multi-dimensional and non-linear realities describe, influence, and determine how we hear and make music. Lectures, discussions, and student projects will all consider the “quantum-theological” certainty that, like charged electrons or Catholic bread and wine, musical things and thoughts too can be simultaneously here and there, this and that, before and after. *Prerequisite:* Music 182. *Four credit hours.*

**[118] African Music** An introduction to the music of Africa, an integral and defining aspect of the culture of Africa. Hands-on experience with various instruments (e.g., drums, rattles, bells) as well as singing and dancing, to provide important insights into the cultures of Africa. Various African music themes will be explored through films and recordings. The course will culminate in a final performance by the class. *Three credit hours.* A.

**[119] Carnival in Music** Funny, bawdy, crude, and often wise, the characters of the *Commedia dell'Arte* emerged in different cultures as *Pulcinella*, *Pierrot*, *Harlequin*, and *Punch and Judy*. The *Commedia* originated as popular culture of music and theater in 16th-century Italy and has inspired visual, literary, and musical expression from its beginnings into our time. Selected music from the Baroque period to the 20th century will be studied in its context of other arts: film, theater, and the visual arts. *Four credit hours.* A.

**133f American Music** An examination of selected genres of American music, including the cultivated traditions of music for voice, piano, chamber ensemble, and symphony, as well as the vernacular heritage of hymnody, folk, and popular song, African-American music (including the blues, ragtime, and jazz), Tin Pan Alley, Broadway musical, and rock. Includes close reading of selected works, study of selected composers (Billings, Gottschalk, Ives, Ellington, Copland), and consideration of relationships between music and cultural context. *Four credit hours.* **A.** MACHLIN

**153f Introduction to Music Theory** An introductory survey of the main aspects of music theory and practice, including rhythm, intervals, scales and keys, melody, harmony, and form. Some music reading, creative writing, and analytical studies in various styles and periods are included. Primarily for students without extensive musical training; may be taken as preparation for Music 181. *Four credit hours.* **A.** HALLSTROM

**181f Music Theory I** The first course in a sequence exploring the language of music. Just as learning a foreign language involves mastering a variety of skills (listening, speaking, reading, and writing), becoming conversant in music requires the ability to hear, notate, analyze, compose, and perform. The course introduces the elements and structure of music, including intervals, scales, chords, melody, harmony, and counterpoint. It investigates how great composers have organized their musical thoughts, allows students to compose in a variety of styles, and introduces ear training and sight singing. Primarily for students with some prior musical training (see also Music 153). *Four credit hours.* **A.** NUSS, SAUNDERS

**182s Music Theory II** A continuation of Music Theory I; an introduction to four-part writing is included. Primarily for music majors and others with prior training in music. *Prerequisite:* Music 181. *Four credit hours.* **A.** NUSS

**[183] Modal and Tonal Counterpoint** A study of counterpoint—the composition of complementary musical lines—is essential for a thorough understanding of the origins of tonal harmonic practice and of why chords behave as they do. Indeed, no lesser figures than Mozart, Haydn, Beethoven, and Brahms recognized the importance of rigorous counterpoint studies for a musician's development and training. Students will learn the art of this “linear” musical thinking as they develop the aural and technical skills necessary to compose contrapuntal works in two, three, and four voices. *Prerequisite:* Ability to read music. *Four credit hours.* **A.**

**184f Musicianship** A course aimed at focusing students' musical sensibilities in both listening and performing contexts. Emphasis is on the development of aural skills, including recognition of increasingly complex musical patterns, sight-reading via both instrument and voice, and keyboard skills (including sight-reading of harmonic progressions and chorales, score-reading, and simple improvisation). Primarily for music majors; open to other qualified students with permission of the instructor. *Prerequisite:* Music 181. *Four credit hours.* **A.** NUSS

**191 Lessons: Credit** Instruction in voice and instruments for qualified students. Regular offerings include violin, viola, violoncello, piano, voice, flute, guitar (classical, American traditional, and jazz), selected brass and woodwind instruments, and African drums. The student's performance in the course will be evaluated by faculty jury at the end of the semester. For additional information concerning fees, scheduling, and related matters, see the Music Department secretary. May be repeated for additional credit. *Prerequisite:* Music 153 or 181 (may be taken concurrently). *One or two credit hours.* **A.** FACULTY

**193 Applied Music: Ensemble for Credit** Credit for participation in musical ensembles sponsored by the Music Department. In addition to the large ensembles listed below, the department frequently offers contemporary music ensemble, flute choir, guitar ensemble,



trumpet choir, and small chamber music groups. Interested students should consult the department for additional information before registering. May be repeated for credit. Prerequisite: Music 153 or 181 for graded credit (may be taken concurrently) and permission of the department. One credit hour.

**African Drumming.** Performance of music from various African cultures, with hands-on experience with various instruments, including drums, rattles, bells, and exposure to several traditions of African singing and dancing. The group presents concerts both on campus and throughout the state of Maine. BENISSAN

**Chorale.** The largest choral ensemble, its repertoire includes unaccompanied works of the 18th through 20th centuries by European and American composers as well as major works for chorus and orchestra. Tours and exchange concerts are arranged. Enrollment, open to all students, is through auditions early in the fall semester. MACHLIN

**Collegium Musicum.** A chamber ensemble, performing music from the Medieval, Renaissance, and Baroque periods. Its core consists of a vocal group of about 18 singers to which instruments will be added as needed. Students with experience in recorder, classical guitar, and harpsichord are encouraged to enroll with permission of the instructor. Enrollment for singers is through auditions early in the fall semester. LINFIELD

**Jazz Band.** The Jazz Band presents a standard big band setup performing swing, Latin jazz, funk, soul, R & B, and bebop styles for concert, tour, and college functions. Brass, wind, and percussion players by audition. THOMAS

**Orchestra.** A symphony orchestra composed of students, local amateurs, and professionals performs four concerts per year of works spanning the entire range of major symphonic literature. Non-competitive auditions are held at the beginning of each semester. HALLSTROM

**Wind Ensemble.** Each semester the Wind Ensemble presents a concert each semester of works drawn from standard literature, symphonic works, movie music, marches, etc. Open to all interested brass, wind, and percussion players without audition. THOMAS

**213f Introduction to Computer Music** An introduction to computer music materials and techniques, with emphasis on the role computers are currently playing in the redefinition of musical thought. Topics include the basics of MIDI (Musical Instrument Digital Interface), various synthesis techniques, sampling, software systems for music generation, etc. Students will create small etudes designed to bring them into practical contact with the new musical horizons made possible by computer technology. *Four credit hours.* A. HALLSTROM

**232s Jazz History** A survey of the first half-century of jazz (during its recorded era), examining the music and the cultural and social forces that shaped it. Specific consideration given to the development of various forms and styles (the blues, New Orleans jazz, stride piano, big band music, bebop), and analyses of the music of seminal performers and composers (Louis Armstrong, Bessie Smith, Duke Ellington, Billie Holiday, Charlie Parker, Miles Davis). *Prerequisite:* Music 111 or 133 or 153 or 181. *Four credit hours.* D, U. MACHLIN

**[238] Burnt Biscuits and Green Onions: From Rhythm and Blues to Soul** An examination of African-American popular song during the rhythm-and-blues era, from its origins in the 1930s and '40s in the blues, small band "jump blues," and black swing bands to its transformation into soul in the mid-1960s. A focus on analysis of the musical styles of individual musicians and groups as well as on a study of the way these styles analyze and comment on the culture(s) in which they are embedded. *Prerequisite:* Music 111, 133, 153, or 181. *Four credit hours.* A, D, U.



**241f Music History I: From the Middle Ages Through the Renaissance to the Early Baroque Period** The first in a three-semester sequence for majors acquainting students with the history and literature of Western art music. An investigation of compositional concepts and sociological contexts of the earliest notated music from the Middle Ages (c. 800) to polyphony of the Renaissance (c. 1400 to c. 1600) and the emergence of opera as well as the rise of autonomous instrumental music in the 17th century. Consideration of music within a broader cultural context with its relation, for example, to theology, literature, and the visual arts. *Prerequisite:* Music 111 and 181. *Four credit hours.* ROTHENBERG

**242s Music History II: From the High Baroque to the Dawn of Romanticism** The second in a three-course music history sequence for majors. The principal genres of the High Baroque, Classical, and Early Romantic periods (including opera, oratorio, cantata, song, sonata, string quartet, concerto, and symphony) as well as major composers (Bach, Handel, Haydn, Mozart, Beethoven, and Schubert). Theoretical issues and cultural context include music's relationship to literature and the visual arts, the nature of dramatic music, the rise of functional tonality, national styles, and aesthetics. *Prerequisite:* Music 111 and 181. *Four credit hours.* SAUNDERS

**[252] Introduction to World Music** Cultures throughout the world have made their music in bewilderingly diverse ways. Listening to that diversity, students will develop and refine listening skills to enable them to approach world musics as a rich reserve of cultural knowledge; a particularly sonic way of knowing. Music cultures of Africa, India, indigenous America, Indonesia, and Japan are among those explored. Listening lab, selected readings, and writing projects; no knowledge of musical notation necessary. *Four credit hours.* A, D.

**[253] Music and the Visual Image** A composition class examining the role of music in film, television, and commercials. Explores representative samples of music/video pairings; the ways in which the composer and visual director influence and manipulate the listener/audience; and relationships between visual and musical elements. Students compose music for a number of individual video projects using basic video editing technology and MIDI (Musical Instrument Digital Interface) skills. *Prerequisite:* Music 181. *Four credit hours.* A.

**[257] The Art of Song Composition** The musical grammar and mechanics of some famous examples from the Western classical and contemporary song literature will serve as the means for exploring and unraveling some of the mysteries of song composition. Students will become proficient in setting text, composing convincing melodies and idiomatic keyboard accompaniments, and producing professional quality, computer-generated piano-vocal scores of their work. *Prerequisite:* Music 182. *Four credit hours.* A.

**[258] In Search of Bach** An examination of Johann Sebastian Bach's life and works with special attention to the many genres in which he worked—orchestral music, cantatas, keyboard music, and dramatic works. We will listen carefully to this music and uncover his ingenious compositional tricks. Although Bach supposedly led an uneventful life, we will consider his music in the context of his fascinating cultural moment. Finally, we will assess his influence on subsequent composers, from Mozart to The Beatles. *Four credit hours.* A.

**[271] Music and Contemplative Practice** The relationships between specific types of contemplative practice (Rinzai Zen meditation [zazen], hatha yoga, Hindu mantra chanting and asceticism, Greek Orthodox "psychosomatic prayer," etc.) and the musics and theologies of the cultures in which they are practiced. Special attention will also be given to explorations of how a knowledge of and participation in these contemplative practices and traditions may enhance and inform hearings of whatever music we are about most. *Four credit hours.*

**[275] Music and Art in Japanese Culture** Despite its high profile in the world, much about Japan remains largely misunderstood in the West. A study of the materials, forms, and social roles of four major genres of Japanese traditional music to posit an overall Japanese aesthetic and worldview. The musically-based interpretation of Japan and its people used as a means of developing an interdisciplinary “lens” through which to explore elements of Japanese literature, visual art, social customs, history, religious beliefs, and the Japanese language in both its spoken and written forms. *Four credit hours.* **A, D.**

**281f Music Theory III** Form and structure, harmony, and an introduction to chromatic harmony. Primarily for music majors. *Prerequisite:* Music 182. *Four credit hours.* **NUSS**

**282s Music Theory IV** Post-Romantic harmony and contemporary techniques, focusing on representative works of 20th-century composers. Primarily for music majors. *Prerequisite:* Music 281. *Four credit hours.* **HALLSTROM**

**298As Music of Meditation: Chant Traditions of Zen Buddhism, Hinduism, and Roman Catholicism** The history, theory, and practice of three rich and diverse chant traditions: Zen Buddhism, Hinduism, and Roman Catholicism. No previous musical experience is required, but students must be willing to participate in group singing/chanting and meditation. *Four credit hours.* **NUSS**

**298Bs The Baroque Concerto from Corelli to Bach** A survey of style, structure, and performance practice in the concerto, the most significant instrumental genre of the Baroque period. Close historical study and analysis of concertos by Corelli, Vivaldi, Bach, Telemann, Handel, and others, with special emphasis on Corelli’s “Op.6,” Vivaldi’s “Op.3” and “Op.8,” and Bach’s Brandenburg Concertos. *Prerequisite:* Music 111, 153, or 181. *Four credit hours.* **ROTHENBERG**

**341f Music History III: Music of the 19th and 20th Centuries** The third in a three-course music history sequence for majors. A survey of the music of Western Europe and America beginning with Hector Berlioz and continuing to the present. Issues include the evolution of symphonic, operatic, solo piano, and solo song styles during the mid- and late 19th century and the subsequent impact these genres had on the wide-ranging stylistic, philosophical, and technological directions music has taken since the early 20th century. *Prerequisite:* Music 111 and 182. *Four credit hours.* **MACHLIN**

**[358] Imagining Music** An introduction to recent trends in the disciplines of musicology and music theory through reflections on the ways that we think about and use music. Topics include theories of musical meaning (what music means, and how such meanings are communicated); absolute vs. constructed meanings (fixed or immutable vs. created uniquely by each listener); referentialism vs. formalism (music as representing objects, emotions, or ideas in the material world vs. music as a closed, self-referential system); music’s ontological status (its ways of existing; for example, can music exist apart from notation and performance?); music as a universal language; and musical values (including differences between music of diverse styles and cultures). *Prerequisite:* Music 182 or a 200-level music course. *Four credit hours.* **A.**

**[374] Conducting and Score Reading** Basic conducting techniques and their application to stylistic interpretation, designed to develop the student’s ability to read, rehearse, and perform a full instrumental or choral score with fluency and insight. Analysis and preparation of scores from different eras in music history, involving basic principles of score reduction for keyboard rendition. *Prerequisite:* Music 281. *Four credit hours.*

**397f Beethoven and the Myth of Beethoven** A survey of Beethoven's biography and music, and their reception histories. Issues include the "Beethoven Mystique," the "Immortal Beloved," Beethoven's personality, deafness, compositional style, and creative process. Beethoven's influence on music by generations of composers and listeners, including the Romantics, and the music's appropriation in Nazi Germany. Beethoven's music in modern popular culture from Peanuts comic strips to *A Clockwork Orange*, *Die Hard*, and *Immortal Beloved*. *Prerequisite:* Music 182, 184, 241, or 242. *Four credit hours.* A. SAUNDERS

**483f, 484s Honors Research I** Substantial original research or completion of a major creative project under faculty supervision, culminating in a written paper and/or a public presentation. *Prerequisite:* 3.25 overall grade point average, 3.5 major average at the end of the junior year, and permission of the department. *Three credit hours.* FACULTY

**491f, 492s Independent Study** Individual topics in areas where the student has demonstrated the interest and competence necessary for independent work. Primarily for senior music majors. *Prerequisite:* Permission of the department. *One to four credit hours.* FACULTY

**[493] Seminar: Schenker Theory** An exploration of the most elegant and influential theory of tonal music of the 20th century, the theories of the Austrian theorist Heinrich Schenker. Topics include Schenker's early writings on harmony and counterpoint; his development of the idea of the *Ursatz* or fundamental structure; analytical and graphing techniques; and recent critiques of the ideologies of Schenker theory. *Prerequisite:* Senior standing as a music major or minor. *Four credit hours.*

## Neuroscience

*In the Departments of Biology and Psychology.*

*Majors with concentrations in neuroscience are described in the "Biology" and "Psychology" sections of the catalogue.*

## Philosophy

*Chair,* PROFESSOR CHESHIRE CALHOUN

*Professors William Adams, Calhoun, Daniel Cohen, Jill Gordon, and Robert McArthur; Visiting Professor Mark McPherran; Visiting Assistant Professors Sarah Conly, Thornton Kline, and Jason Read*

"Philosophy," as William James put it, "is an attempt to think without arbitrariness or dogmatism about the fundamental issues." One of the core disciplines of the liberal arts, philosophy provides a unique perspective on human and social problems. As a critical and an integrative discipline, it collects and analyzes the questions that arise from the basic principles of all areas of knowledge. Colby's program features a sequence of courses dealing with intellectual and philosophical history, as well as courses treating the major philosophical issues.

### Requirements for the Major in Philosophy

To complete the major in philosophy, a student must take a minimum of 10 courses, at least three of which must be at or above the 300 level and no more than two of which may be at the 100 level. Those courses must include Ancient Philosophy 231; Modern Philosophy 232; one course in logic, either 151 or 158; one course in metaphysics and epistemology chosen from 239, 274, 317, 338, 353, 373, 376; one course in values chosen from 211, 218, 234, 236, 272, 311, 374; one course in diversity chosen from 213, 215, 221, 272, 312, or a pre-approved course in non-Western philosophy; and four additional courses in philosophy, only



one of which can be from 483/484, 491/492, and none from 277/278. In addition to the 10 courses, students must enroll in one year of the philosophy colloquium series (201 and 202).

### **Honors in Philosophy**

Students majoring in philosophy may apply during their junior year for admission to the honors program. Permission is required; guidelines are established by the department and posted at [www.colby.edu/philosophy](http://www.colby.edu/philosophy). Successful completion of the work of the honors program and of the major will enable the student to graduate "With Honors in Philosophy."

### **Requirements for the Minor in Philosophy**

To complete the minor in philosophy, a student must take a minimum of six courses in philosophy, at least one of which must be at or above the 300 level. The six courses must include (1) Ancient Philosophy 231 or Modern Philosophy 232; (2) one additional course in the history of Western philosophy selected from Philosophy 231, 232, 352, 353, 359, 373, 374, 378; and (3) four additional courses, no more than one of which may be at the 100 level.

## **Course Offerings**

**111s Central Philosophical Issues: Self and Society** An introduction to philosophy by consideration of two of its central branches: social and political philosophy and ethics. Issues addressed are: moral absolutes, the social contract, political power, individual rights, economic justice, the good society. Readings from Plato, Locke, Mill, Marx, Malcolm X, and Orwell. *Four credit hours.* **S.** GORDON

**[114] Central Philosophical Issues: Nature and God** An introduction to philosophy focusing on epistemology (the theory of knowledge) and metaphysics (the theory of the basic nature of the universe). What is knowledge and why, exactly, does it matter (assuming it does)? What, if anything, constitutes the data of metaphysics, and how, if at all, does that data justify metaphysical positions? These issues approached with attention to the philosophy of religion. How strong are the arguments for and against the existence of God, and what is one to do if the arguments seem inconclusive? Readings from Plato, Sextus Empiricus, Descartes, Berkeley, Hume, and James. *Four credit hours.* **L.**

**[119] Plato: Philosophy, Poetry, Rhetoric** What is philosophy? Plato was the first to make a sustained answer to this question and his efforts have had enormous influence on subsequent thinkers. As we read several of Plato's dialogues including *Apology*, *Gorgias*, and *Phaedrus*, we will ask how these works seek to define what it means to do philosophy. We will consider the figure of Socrates as a model for the philosophical life; how and why the dialogues distinguish philosophy from poetry and from rhetoric; whether there is such a thing as philosophical rhetoric; and what Plato's own use of the dramatic dialogue suggests about the relationship between philosophy and literature. *Three credit hours.* **S.**

**126f Philosophy and the Environment** Application of philosophical ideas to pressing questions about the environment. Does it make sense to talk about moral obligations to nature? Does an ecosystem have rights? Preserve biodiversity or refrain from polluting—are these obligations to future generations? Part of the Integrated Studies Program; requires concurrent enrollment in Biology 131 and English 126. *Four credit hours.* **S.** READ

**133s Philosophy in the First Half of the 20th Century** Pragmatism, Pluralism, Positivism, and Professionalization. This period saw philosophy gradually (and somewhat painfully) settle into the role of an academic discipline among others, rather than the discipline prior to and more fundamental than other disciplines. An examination of the "divorce" between philosophy and psychology, and an assessment of attempts by philosophers to locate language, experience, or culture as the proper subject matter for their discipline.



How World War I, the theory of relativity, immigration, and industrialization shaped the discipline philosophy was becoming. Part of the Integrated Studies Program; requires concurrent enrollment in English 133. *Four credit hours.* S. INSTRUCTOR

**[135] Puzzles and Paradoxes** An introduction to some of the central concepts, problems, and methods of contemporary philosophy by engaging with an assortment of perplexing problems that inevitably arise when thought turns in on itself. Dilemmas of decision theory and paradoxes of rationality are among the topics covered. *Four credit hours.*

**136f Philosophy in the Post-War Era, 1945-70** An introductory, interdisciplinary survey of philosophy using themes from the post-war period, including existentialism and the meaning of life, the intellectual foundations of religion, scientific "truth" and the responsibilities of scientists, war and pacifism, social justice, civil disobedience, and free speech. Part of the Integrated Studies Program; requires concurrent enrollment English 136. *Four credit hours.* S. MCARTHUR

**151f Logic and Argumentation** A survey of the theory and practice of rational argumentation. Diagramming, fallacy identification, and propositional logic, the formal and critical tools needed for argument analysis, are developed in order to enhance the ability to understand, construct, and critically evaluate arguments. Not open to students with credit for Philosophy 152 or 158. *Four credit hours.* Q. COHEN

**158s Formal Logic** A survey of the techniques of formal reasoning, and the nature of logic systems, with applications in ordinary language. Propositional logic, predicate logic, and Boolean systems. Not open to students with credit for Philosophy 151 or 152. *Four credit hours.* Q. MCARTHUR

**175f Ancient Greek Thought** An introduction to ancient Greek philosophy, beginning with its emergence out of mythological patterns of thought as initiated by Thales and his pre-Socratic successors (e.g., Anaximander, Heraclitus, Parmenides, Democritus). Examination of the work of the Greek Sophists (e.g., Gorgias, Protagoras), continuing with Socrates, Plato, and Aristotle, focusing on their accounts of the relationship between morality, religion, and argumentation. Requires concurrent enrollment in Anthropology 175. May not be substituted for Philosophy 231 in the major or minor. *Four credit hours.* S. MCPHERRAN

**197f Philosophical Anthropology** What does it mean to be human? The varied answers to this question, from the ancient Greeks to the present, define humanity as something related to but distinct from animals, as a conjunction of animal life and something else: language, reason, or soul. What is the relationship between the division of humanity from the animal kingdom and the divisions internal to human society: divisions of race, class, and society? Is it possible to define what it means to be human without dividing humanity from nature, and against itself? Readings will include: Plato, Aristotle, Montaigne, Descartes, Marx, Mills, and Agamben. *Four credit hours.* S. READ

**201f, 202s Philosophy Colloquium** A year-long colloquium series of presentations from faculty and invited speakers on topics of current philosophical interest. Students are expected to attend all the colloquia, read the papers beforehand, and, with mentors, prepare questions to be asked of the presenters. *One credit hour for completion of two semesters of the series.* Prerequisite: Philosophy major or minor. FACULTY

**211f Moral Philosophy** How can we tell what is right and what is wrong? Is this merely a matter of convention, preference, or opinion, or is there some more objective basis to our moral beliefs? If so, what could that be? How have philosophers attempted to understand the nature of morality? Views discussed will include those of Aristotle, Hobbes, Hume, Kant, and Mill. *Four credit hours.* S. CONLY

**212s Philosophy and Technology** An exploration of the causes and social effects of technology, principally during the 19th and 20th centuries. Topics will include the human tendency toward control, the ethics of technological development and implementation, and the relationships between technology and social organization. Emphasis on communications, military, information, biological, and medical technologies. *Four credit hours.* MCARTHUR

**[213] Philosophical Inquiries into Race** A philosophical treatment of several aspects of race and racism: ontological issues surrounding what racism is; existential and phenomenological issues about embodiment as a visible racial minority; social and political issues regarding oppression, colonization, and discrimination; and ethical issues involving racial minorities in the American context. *Four credit hours.* S, D.

**215s Feminist Philosophies** Whether one views feminism as a philosophical school of thought, an interpretive strategy, a political movement, or a way of understanding culture and ideas, it has many faces; feminism is neither unified nor monolithic. Students examine several feminist frameworks (structures of political thought that shape feminism), their relationship to and difference from one another, and feminist issues that lie outside of those frameworks. Formerly offered as Philosophy 155. *Four credit hours.* S, D, U. GORDON

**218f Philosophy of Law** An exploration of central philosophical issues in law. Topics include the nature of legal systems, the political, social, and ethical implications of laws, and their administration, justice, and legal reasoning. Readings from philosophers, jurists, and legal cases. *Four credit hours.* S. MCARTHUR

**231f History of Ancient Greek Philosophy** A survey of ancient thought that also examines the social and cultural contexts in which that thought arises. Study of the Greek world through the ideas of the pre-Socratics, the Sophists, Plato, Aristotle, Epicurus, the Skeptics, and the Stoics. *Four credit hours.* H. GORDON

**232s History of Modern Philosophy** Central philosophical issues in the modern period, from Descartes to Kant, with emphasis on metaphysics and epistemology. *Four credit hours.* H. CALHOUN

**[234] Philosophy and Art** An examination of the nature of art in its various forms and aesthetic concepts such as beauty, value, and meaning. The social, ethical, and political dimensions of art will also be explored. Readings from classical and contemporary sources. *Four credit hours.*

**[236] Social and Political Philosophy** Readings from traditional and non-traditional sources focusing on social contract theories; theories of human nature and their connection to political theory, racism, and feminism in contemporary society; and economic justice. *Four credit hours.* S.

**239s Epistemology** An introduction to basic philosophical positions regarding Skepticism, knowledge versus belief, knowledge and the world, and epistemic justification as well as topics such as the nature of certainty, "naturalized epistemology," and the ethics of belief. *Four credit hours.* COHEN

**[253] Skepticism** For almost as long as there have been claims to knowledge, there have been skeptical challenges to those claims. The variety of skeptical arguments seems endless, ranging from considerations of human fallibility, cultural relativity, and the elusiveness of truth to ethical objections about the arrogance of dogmatism and metaphysical speculation about brains-in-vats and other matrix-like scenarios. Skepticism is an irrepressible

phenomenon for all times and all cultures. This course will engage with a variety of skeptical texts from different historical eras and different cultures as well as responses to them. *Prerequisite:* A prior course in philosophy. *Three credit hours.*

**[258] Advanced Logic** Further investigations into symbolic logic and its extensions, with special attention to modal logic and some attention to metatheoretic results. *Prerequisite:* Philosophy 151 or 158. *Four credit hours.*

**[272] Applied Ethics** An examination of philosophical approaches to contemporary debates about affirmative action, euthanasia, gay rights, environmental ethics, abortion, workfare, prostitution, speech codes, and capital punishment. Special attention to the structure of philosophical arguments on these issues and the key theoretical frameworks and concepts used by philosophers. *Four credit hours.* **S, D, U.**

**[274] Philosophy of Religion** A treatment of the principal philosophical problems concerning the nature and justification of religious belief. Topics include the classic arguments for God's existence, the nature of the divine attributes, the problem of evil, mystical experience, the role of religion in ethics, and the relation of faith to reason. *Prerequisite:* One course in philosophy or religious studies. *Four credit hours.* **S.**

**277 Reuman Reading Group** Faculty-student reading groups arranged for the purpose of informal, but regular and structured, discussions of philosophical texts. May be repeated for additional credit. Nongraded. *Prerequisite:* Permission of the instructor. *One credit hour.*

**297Af Medieval Philosophical Thought** Philosophical debates that animated early Medieval philosophers, with special attention to the problems of reconciling Faith and Reason, the metaphysics of universals, and mysticism as an avenue to knowledge. Readings will be from texts by Boethius, Plotinus, Augustine, Pseudo-Dionysius, Erigena, Anselm, Abelard, Hildegard, and others. Part of the "Medieval Worlds" Integrated Studies cluster with History 319, students co-enrolled in which will be given priority if Philosophy 297 is overenrolled. *Four credit hours.* **COHEN**

**297Bf Introduction to Chinese Philosophy** The development of early Chinese philosophy (550-200 BCE) as an extended discussion among various thinkers trying to provide solutions to a common set of problems—how to characterize human nature, moral psychology, and moral development. Beginning with Kongzi (Confucius), the chronological development of this discussion as each new philosopher criticizes and adopts elements of his predecessors' theories. Philosophers to be discussed include: Kongzi, Mozi, Yang Zhu, Mengzi (Mencius), Zhuangzi, Xunzi, and Han Feizi. *Four credit hours.* **D, I.** **KLINE**

**297Cf Philosophy of Film** Artificial film technologies produce an experience that is to some extent more intense than reality. What the "experience" of the cinema reveals about our experience of images, time, and narrative, focusing on the philosophical questions raised by the medium of film itself. Readings will include: Benjamin, Bergson, Deleuze, and Pierce. *Four credit hours.* **READ**

**298s Thinking Sex** We all talk about sex, but do we know what we mean? Why is it so important to us? How important are sexuality and sexual orientation to our sense of identity? What is sexual attraction? What is good sex and what is bad sex? What is the relationship between sex and love? Are our concepts of sex gendered? Do our concepts reflect a heterosexual bias? We will read and discuss philosophers' attempts to understand what sexuality is and what its value is for us. Part of the Integrated Studies Program; one meeting weekly in conjunction with English 386A. *Four credit hours.* **S.** **CONLY**



**[311] Contemporary Currents in Ethical and Political Theory: Multicultural and Global Citizenship** Recent political theorizing as it relates to cultural and social differences and global poverty. Topics include John Rawls's conception of just institutions, Rawlsian-based arguments for gay and lesbian rights and for protective rights for minority and indigenous cultures, the nature of culture in "multiculturalism," and the moral responsibility of members of wealthy developed nations to the global poor. *Prerequisite:* Two courses in philosophy. *Four credit hours.* **D, I.**

**312s Feminist Philosophical Literature** An in-depth investigation of feminist philosophers' critiques and reconstructions of contemporary themes in ethics, political theory, and theory of knowledge. *Prerequisite:* Six credit hours in philosophy and/or women's, gender, and sexuality studies. *Four credit hours.* **S, D, U.** CALHOUN

**[314] Karl Marx and Marxist Philosophical Thought** Beginning with Marx's and Engels's primary texts, the influence of Marxist philosophical thought on economic theory, revolutionary theory (Mao, Guevara, Castro, Luxembourg, Gramsci), cultural criticism (Marcuse, Adorno), feminism (Hartmann), and aesthetic theory (Jameson, Williams, Eagleton). *Four credit hours.* **S.**

**[317] Philosophy of Science** A consideration of some major 20th-century conceptions of what scientists aim to do, what theoretical structures they employ in pursuing their aims, and what legitimates these structures. Science seems to be constrained by experience in distinctive ways, but it also ventures far beyond experience in pursuing its theoretical and explanatory aims. These issues approached historically by examining the rise and fall of the project known as logical empiricism (or logical positivism). *Prerequisite:* One course in philosophy. *Four credit hours.*

**338s Philosophy of Language** Philosophy has taken a linguistic turn in the 20th century: philosophers have come to suppose that reflection on the nature of language and the linguistic representation can help solve long-standing philosophical problems. The development of the philosophy of language and its success, with special attention to the role of metaphor. *Prerequisite:* Philosophy 151, 152, or 158. *Four credit hours.* COHEN

**[352] American Philosophy** A survey of American philosophy from Puritan times to the present, with special attention to the supposedly "practical" character of American thought. Accordingly, the main focus is on pragmatism in its classical (C.S. Peirce, William James, John Dewey) and contemporary (Richard Rorty) forms, although such thinkers as Jonathan Edwards, Benjamin Franklin, Thomas Jefferson, R.W. Emerson, and W.E.B. Du Bois are also considered. *Four credit hours.* **H.**

**[353] Contemporary Analytic Philosophy** Analytic philosophy in this century is the product of philosophical analysis and foundational empiricism. On occasion, they have appeared as complementary, but there is a deep tension between them as to the nature of philosophy itself. An exploration of the transformations of philosophy that have resulted. *Prerequisite:* Philosophy 232. *Four credit hours.*

**[359] 19th-Century Philosophy** A consideration of some varieties of two major movements in 19th-century philosophy: idealism and naturalism. English and American philosophers (Emerson, Mill, Whewell) will figure in the course along with such European thinkers as Kant, Fichte, Hegel, and Schopenhauer. Topics include the limitations of human reason, the relation between theoretical and practical reason, the theory of scientific method, and some connections between epistemology and politics. *Four credit hours.* **H.**



**[373] History of Medieval Philosophy** The evolution of philosophical debate in the Latin West from Augustine to Ockham, with particular focus on the problems of the reconciliation of faith and reason, of the metaphysics of universals, and of the sources and possibilities of human knowledge. *Prerequisite:* Philosophy 231. *Four credit hours.* **H.**

**374f Existentialism** An examination of such issues as absurdity and meaning, the individual, the nature of being, and choice and responsibility. Readings from Kierkegaard, Nietzsche, Heidegger, Camus, Sartre, de Beauvoir, Buber, and black existential philosophy. *Prerequisite:* One course in philosophy. *Four credit hours.* **GORDON**

**376f Philosophical Psychology** A focus on philosophical accounts of the nature of mind and psychological phenomena, including the relation of mind to body, the significance of consciousness to having a mind, theories of emotion, and the problem of determining personal identity over time. Authors studied include Descartes, William James, Freud, Skinner, and Ryle. *Prerequisite:* Six semester hours in philosophy. *Four credit hours.* **S. CALHOUN**

**[378] Contemporary Continental Philosophy** A fundamental theme of contemporary Continental philosophy: temporality. Particular attention given to the productive tension between time understood as a "structure" (of phenomena, of conscience) and time understood as an "event," out of which will emerge other themes, notably history, origin, death, transcendence, and meaning. Readings include Husserl, Heidegger, Derrida, Levinas, and Blanchot. *Four credit hours.*

**392s Philosophy Seminar: Wittgenstein** A close encounter with Wittgenstein, one of the great minds and central figures of 20th-century philosophy, with attention paid to both his rigorous early work, *Tractatus*, and his enormously influential later work, *Philosophical Investigations*, with its critiques of essentialism and foundationalism. *Prerequisite:* Two courses in philosophy above the 100 level. *Four credit hours.* **COHEN**

**398s Philosophy of History** An examination of the epistemological, existential, and political questions raised by historical inquiry, using classic 19th- and 20th-century texts on the philosophy of history as well as some historians' critical reflections on historical enquiry. Central questions include: What is history? How is it possible to know the past? What is gained (or lost) by attempting to understand ourselves historically? Is there an underlying telos to history? Readings include Kant, Hegel, Marx, Collingwood, Foucault, and White. *Four credit hours.* **READ**

**483f, 484s Philosophy Honors Program** Research conducted under the guidance of a faculty member and focused on an approved topic leading to the writing of a thesis. A 3.25 major average at the end of the senior year, a grade of A- or better on honors work, a public presentation, and final approval by the department are conditions of successful completion of this program. *Prerequisite:* Senior standing, a 3.25 major average at the end of the junior year, and permission of the department. The honors tutor must be a member of the philosophy faculty. *Four credit hours.* **FACULTY**

**491f, 492s Independent Study** Individual projects in areas where the student has demonstrated the interest and competence necessary for independent work. *Prerequisite:* Permission of the instructor. *One to four credit hours.* **FACULTY**

# Physical Education and Athletics

DIRECTOR OF PHYSICAL EDUCATION AND ATHLETICS MARCELLA ZALOT

*Adjunct Professors Debra Aitken and Richard Whitmore; Adjunct Associate Professors Tom Austin, Thomas Burton, Thomas Dexter, Jennifer Holsten, and Edward Mestieri; Adjunct Assistant Professors Tracey Cote, Heidi Godomsky, Mark Godomsky, Patricia O'Brien, Candice Parent, James Tortorella, and Robert Quinn; Adjunct Instructors Todd Coffin, Sakbi Khan, Mike Morgan, and Stewart Stokes; Staff Coaches Richard Bailey and Mark Serdjenian*

Although physical education is no longer required, participation in physical education activities is encouraged for all students. The Department of Physical Education and Athletics offers workshops and clinics, intramural sports, intercollegiate athletics (varsity and "B" programs), informal recreational activities, aerobics programs, and club sports.

More than a third of Colby students—more than 600 men and women—participate in one or more of 32 intercollegiate varsity sports. Varsity teams include baseball, basketball, crew, cross country, field hockey, football, golf, ice hockey, lacrosse, squash, nordic and alpine skiing, soccer, softball, swimming, tennis, indoor and outdoor track and field, and volleyball.

Colby competes in the New England Small College Athletic Conference (NESCAC). Founded in 1971, the conference includes 11 highly selective liberal arts colleges that are committed to academic excellence and believe that athletic excellence supports their educational missions.

Each institution is committed to: a comprehensive athletic program available to the entire student body; equitable treatment of all participants in athletic activities; the highest ethical standards in conference relationships; and equitable competition among member institutions.

Students on all intercollegiate teams are to be representative of the overall student body and are admitted with the expectation of their full participation in the life of the college. In all sports, conference members give primary emphasis to in-season competition and manage competition and post-season play in a manner that minimizes conflicts with class schedules and examinations.

## Physics

*In the Department of Physics and Astronomy.*

Chair, ASSOCIATE PROFESSOR CHARLES CONOVER

*Professors Robert Bluhm and Murray Campbell; Associate Professors Conover and Duncan Tate; Assistant Professor Virginia Long; Teaching Assistant Lisa Lessard*

The department seeks to train students to think analytically in terms of the fundamental principles of physics. Subject matter in introductory courses is selected to illustrate basic laws with wide applicability and to help prepare students to enter professions such as medicine, law, teaching, and business. Advanced course offerings provide excellent background for graduate study in physics, astronomy, engineering, and interdisciplinary fields such as biophysics, medical physics, and bioengineering. Special emphasis is placed upon independent work and cooperative research with the faculty in atomic and molecular physics, semiconductor physics, theoretical physics, and infrared astronomy. Research projects make use of the department's laser and semiconductor laboratories, computer workstations, and supporting machine, electronic, and technical shops.

The Physics 141, 142 course sequence provides a solid basis for further work in physics as well as preparation for medical school and advanced study in the other physical sciences. Physics 141, 142, 241, and 242 form a full introduction to classical and 20th-century physics. Physics 254 provides training in electronics for scientific applications. For students with a previous background in physics and calculus from high school, Physics 143 may be taken instead of Physics 141.

### Requirements for the Physics Major

Thirteen courses are required for the physics major, but students have a lot of flexibility in choosing the courses that are most appropriate for them. Students should work closely with their advisors in selecting courses to fulfill the requirements for the major. Physics 415, to be taken in the fall of the senior year, involves completing an independent project, field experience, internship, or research in physics or a related field. The point scale for retention of the major applies to all courses taken that can satisfy the requirements listed below.

**Required Physics Courses:** Choose all six (unless exempted by Advanced Placement).

<i>Physics</i>	141	Foundations of Physics I (or 143 Honors Physics)
	142	Foundations of Physics II
	241	Modern Physics I
	242	Modern Physics II
	415	Physics and Astronomy Research
	493	Senior Seminar

**Mathematics and Computer Science Courses:** Choose four (unless exempted by advanced placement).

<i>Computer Science</i>	151	Structured Programming and Elementary Algorithms
<i>Mathematics</i>	121	Calculus I (or 131 or 161 Honors Calculus)
	122	Calculus II (or 162 Honors Calculus)
	253	Linear Algebra
	302	Vector Calculus
	311	Introduction to Differential Equations

**Elective Courses:** Choose at least three. At least two must be 300-level or higher physics courses, and at least one 300-level or higher physics course must be taken at Colby.

<i>Astronomy</i>	231	Introduction to Astrophysics
<i>Biology</i>	274	Neurobiology
<i>Chemistry</i>	255	Nuclear Magnetic Resonance
	341	Physical Chemistry
<i>Geology</i>	226	Optical Mineralogy
<i>Mathematics</i>	332	Introductory Numerical Analysis
	352	Complex Variables
<i>Physics</i>	254	Essential Electronics
	311	Classical Mechanics
	321	Electricity and Magnetism
	332	Thermodynamics
	333	Experimental Condensed Matter Physics
	334	Experimental Atomic Physics
	335	General Relativity and Cosmology
	336	Solid State Physics
	338	Nuclear and Particle Physics
	431	Quantum Mechanics
	432	Advanced Quantum Mechanics
<i>Science, Technology, and Society</i>	215	Global Change: Environmental Science and Society

No requirements for the major may be taken satisfactory/unsatisfactory.

### Honors Program in Physics

In the junior year, physics majors may apply for admission to the honors program. A 3.15 grade point average in physics and mathematics courses is normally required. Successful completion of the honors program will result in the degree being awarded "With Honors in Physics." A thesis completed as part of the Senior Scholars Program may be substituted for the honors thesis.

### Requirements for the Honors Major

In addition to fulfilling the requirements for the basic physics major, students must take three additional 300-level or higher physics courses and one additional 200-level or higher mathematics course. In fulfilling these requirements, students must take at least one upper-

level experimental course (Physics 254, 333, or 334). In their senior year, they may also take Physics 483-484 Independent Honors Project. An honors thesis is required.

Students considering graduate school in physics or astronomy are strongly encouraged to take all of the following courses: Mathematics 253, 302, 311, 352, Physics 254, 311, 321, 332, and 431.

Students seeking a career in engineering may consider an exchange program in which both a bachelor of arts and a bachelor of science in engineering can be earned upon successful completion of three years at Colby and two years at Dartmouth College. Students should consult with the engineering advisor before selecting their first-semester courses.

### **Requirements for the Minor in Physics**

Physics 141 (or 143), 142, 241, 242 (or a physics course numbered 300 or above), 493; Mathematics 121 (or 131 or 161), 122 (or 162).

## **Course Offerings**

**[111] From Galileo to Einstein** How has our understanding of the physical universe evolved over the ages? This question forms the central theme of a physics course intended for non-science majors. The physical theories of Galileo, Newton, and Einstein, including their revolutionary impact on our understanding of the universe, are examined. The focus is on the concepts of motion, space, time, matter, and energy. A working knowledge of high school algebra is required. Lecture only. *Three credit hours.* **N.**

**[113] The Elements** A historical, cultural, and scientific discussion of the development of ideas concerning the structure of matter, with emphasis on modern theories of physics. The experimental basis for the idea that all matter is made up of fundamental building blocks (atoms, quarks, leptons), and the development of quantum physics and relativity as theories of how such particles behave. Intended as a course for non-science majors. A working knowledge of high school algebra is required. Lecture and laboratory. *Three credit hours.* **N.**

**[115] The Shadow of the Bomb** More than 50 years ago the United States tested and then used nuclear weapons. The bombs resulted from the leaps we made during the 20th century in understanding the laws of nature. The creation of nuclear weapons and the accompanying technology has shaped both the scientific and political worlds since that time. Topics include the physics of atoms and nuclei, the technology of nuclear weapons and nuclear power, the creation and use of the first nuclear bomb during World War II, the post-war, and present eras, including a study of the development of hydrogen bombs, nuclear power, nuclear waste, and the proliferation of nuclear weapons. A working knowledge of high school algebra is required, but no previous study of physics is assumed. *Three credit hours.* **N.**

**141f, 142s Foundations of Physics I** A calculus-based survey of mechanics of solids, momentum, work and energy, gravitation, waves, electromagnetism, and optics. Lecture, laboratory, and discussion. *Prerequisite:* A working knowledge of high school or college calculus, or concurrent enrollment in Mathematics 121 or 161. Physics 141 or 143 is prerequisite for 142. *Four credit hours.* **N.** TATE

**143f Honors Physics** Motion, forces, conservation laws, waves, gravity, Einstein's special relativity, and nuclear physics. A course for students who have had substantial physics and calculus courses in high school. May not be taken for credit if the student has earned credit for Physics 141. Lecture and laboratory. *Four credit hours.* **N.** BLUHM

**231 Introduction to Astrophysics** Listed as Astronomy 231 (q.v.). *Four credit hours.* **N.** CAMPBELL



**241f Modern Physics I** Special relativity, Planck blackbody radiation, the basis of quantum mechanics, and the Schroedinger equation. Lecture and laboratory. *Prerequisite:* Physics 142 and Mathematics 122 or 162. *Four credit hours.* LONG

**242s Modern Physics II** An intermediate treatment of the quantum physics, including the hydrogen atom, atomic models, Schroedinger theory, atomic spectra, and electron spin. Lecture and laboratory. *Prerequisite:* Physics 241. *Four credit hours.* TATE

**[254] Essential Electronics** An introduction to modern scientific electronics, emphasizing laboratory work and including theory, problem solving, and circuit design. From simple, direct-current devices to digital integrated circuits, microcomputer instrumentation, and analog signal processing. Normally offered every other year. *Prerequisite:* Physics 142. *Four credit hours.*

**311s Classical Mechanics** Newton's laws, oscillatory motion, noninertial reference systems, classical gravitation, motion of rigid bodies, and Lagrangian and Hamiltonian mechanics. Lecture and discussion. *Prerequisite:* Physics 142 and Mathematics 122 or 162. *Four credit hours.* TATE

**321f Electricity and Magnetism** A theoretical treatment of electrostatics and magnetostatics in vacuum and material media through Maxwell's equations. Lecture and discussion. *Prerequisite:* Physics 142 and Mathematics 302. *Four credit hours.* CAMPBELL

**[332] Thermodynamics** Concepts of temperature, energy, entropy, heat, and work and their thermodynamic relations as developed from a microscopic point of view. Single and multicomponent systems are discussed, using both classical and quantum statistics. Lecture and discussion. Normally offered every other year. *Prerequisite:* Physics 241 and Mathematics 122 (or 162). *Four credit hours.*

**333f Experimental Condensed Matter Physics** Modern experimental techniques of condensed matter physics are used to investigate the vibrational, electrical, and optical properties of materials. Phenomena to be studied may include the Hall effect in semiconductors, superconductivity in Josephson junctions, phonons in crystalline compounds, molecular symmetry breaking of C60, and surface plasmons of metal island films. Photolithographic techniques may be learned in conjunction with studying electrical properties. *Prerequisite:* Physics 242. Physics 336 is strongly recommended but not required. *Three credit hours.* LONG

**[334] Experimental Atomic Physics** Laboratory projects in modern atomic, molecular, and optical physics. Projects include diode laser spectroscopy, the Zeeman effect in mercury, and absorption spectroscopy of molecular iodine. Laboratory and tutorial. *Prerequisite:* Physics 242. *Three credit hours.*

**335s General Relativity and Cosmology** An introduction to Einstein's general theory of relativity, including a treatment of tensor analysis, Einstein's equations, Schwarzschild metric, black holes, expansion of the universe, and cosmology. *Prerequisite:* Physics 241. *Four credit hours.* BLUHM

**[336] Solid-State Physics** An introduction to solid-state physics, beginning with a study of crystal forms and diffraction of X-rays. Thermal, optical, acoustical, and electrical properties of solids; the energy-band theory of semiconductors as applied to simple solid-state devices; superconductivity. *Prerequisite:* Physics 242. *Three credit hours.*

**[338] Nuclear and Particle Physics** Nuclear physics, including nuclear reactions and nuclear models; followed by elementary particle physics, including the quark model, leptons, and the strong and weak interactions. *Prerequisite:* Physics 242. *Three credit hours.*

**415f, 416js Physics and Astronomy Research** Each senior physics major will conduct a guided research project on a topic in physics, astronomy, or a related area. Students may choose from a range of approaches, including literature searches, analytical and computational analyses, experimental data collection and analysis, and theoretical investigation. Some project components can be conducted off campus. Required for all senior physics majors. *Two credit hours.* CONOVER

**431f Quantum Mechanics** Nonrelativistic quantum mechanics, including Schroedinger theory, operator algebra, angular momentum, and applications to simple atomic systems. Lecture and discussion. *Prerequisite:* Physics 242 and Mathematics 253. *Four credit hours.* BLUHM

**432s Advanced Quantum Physics** Quantum mechanics of atoms in external fields, including time-independent and time-dependent perturbation theory, treatment of identical particles, angular momentum addition, and a quantum description of light. Lecture and discussion. *Prerequisite:* Physics 321 and 431. *Four credit hours.* BLUHM

**483f, 484s Independent Honors Project** Research conducted under the guidance of a faculty member and focused on an approved topic leading to the writing of an honors thesis. *One to three credit hours.* FACULTY

**491f, 492s Independent Study** Individual topics or research in areas where the student has demonstrated the interest and competence necessary for independent work. *Prerequisite:* Permission of the instructor. *One to five credit hours.* FACULTY

**493s Physics and Astronomy Seminar** Discussion of topics of current interest in physics and/or astronomy. *One credit hour.* BLUHM

## Psychology

*Chair,* PROFESSOR THANE PITTMAN

*Professors Pittman, Nicholas Rohrman, Diane Winn, and Edward Yeterian; Associate Professor Tarja Raag; Visiting Assistant Professors George Ladd and Jennifer Yates, Faculty Fellow Joseph Atkins; Teaching Associate Colleen Burnham*

The Psychology Department seeks to fulfill three objectives. The first is to prepare students for graduate work in psychology and ultimately for professional careers as teachers, researchers, and practitioners. The second is to prepare students majoring in psychology to enter the business or professional community with a strong background in human behavior and its determinants. The third is to provide courses for students majoring in other fields for whom psychological knowledge may be useful. Laboratories are equipped to conduct a fairly wide range of studies in human sensory, perceptual, and memory phenomena and include animal facilities and surgery for physiological and comparative research. There are also laboratories for social, personality, and developmental research. Several small research laboratories are available for use by advanced students. All laboratories, as well as a data center for student use, are equipped with computers having Internet access.

The concentration in neuroscience allows students to explore an interdisciplinary field at the interface of psychology and biology. This program prepares students for graduate study or employment in psychology as well as in neuroscience and related biomedical fields.

The department stresses the scientific approach to the study of human behavior and requires a fairly extensive set of quantitative and experimental courses for all majors. Each student conducts independent research as an integral part of the major.

### Requirements for the Major in Psychology

Psychology 121, 122, 214, 415; at least two courses from 251, 253, 254, 255; at least two

courses from 236, 237, 239, 256, 259, 274, 297/8, 354, 374; at least two courses from 232, 233, 234, 272; at least two courses numbered 300 or higher, one of which must be a seminar.

One year of laboratory experience in the natural sciences is recommended.

### **Requirements for the Major in Psychology: Neuroscience**

Psychology 121, 122, 214, 233, 235 or 238, 415; at least three courses from 232, 234, 236, 254, 259, 272; at least one course from 251, 253, 255; at least one course from 333, 372, 374, 398C; at least one additional course numbered 300 or higher. In addition, Biology 163, 164, or 175 or 176 and 179, 274. In addition, at least one biology course from 225/297, 232, 276, 279, 315, 357, 373, 374.

The point scale for retention of the major applies to all courses offered toward the major as prescribed above. All requirements for the major must be met in conventionally graded courses.

### **Honors in Psychology or Psychology: Neuroscience**

Students seeking to participate in the honors program must make formal application to the department during the junior year. In addition to fulfilling the basic requirements for the psychology major, students must take one additional course in psychology numbered above 300 and complete the honors research sequence (Psychology 483, 484). Upon vote of the department, the student will be awarded his or her degree "With Honors in Psychology" or "With Honors in Psychology: Neuroscience."

Attention is also called to the Senior Scholars Program.

### **Requirements for the Minor in Psychology**

Psychology 121, 122, 214; at least one course from 251, 253, 254, 255; at least one course from 232, 233, 234, 272; at least one course from 236, 237, 239, 256, 259, 274, 298, 374; at least one course at the 300 or 400 level.

## **Course Offerings**

**121f Introduction to Psychology I** An examination of classical and contemporary issues in psychology: history and systems, research methods, physiological psychology, sensation, perception, consciousness, learning, memory, cognition, and language. Participation in psychological research is required. *Four credit hours.* **S.** ATKINS, WINN, YATES

**122s Introduction to Psychology II** Further examination of classical and contemporary issues in psychology: development, motivation, emotion, intelligence, personality, psychopathology, psychotherapy, social psychology, applied psychology. Participation in psychological research is required. *Prerequisite:* Psychology 121. *Four credit hours.* **LADD,** PITTMAN, RAAG

**214fs Research Methods and Statistics in Psychology** Discussion of techniques used in conducting behavioral research. Includes literature survey, hypothesis formulation, control techniques, and research design as well as descriptive and inferential statistics. Lecture and laboratory. *Prerequisite:* Psychology 121, 122. *Four credit hours.* **Q.** WINN

**232f Cognitive Psychology** The human information processing system: how stimulus information is transformed, stored, retrieved, and used. Lecture and integrated laboratory. *Prerequisite:* Psychology 121. *Four credit hours.* **ATKINS**

**233f Physiological Psychology** The study of neural mechanisms underlying cognitive processes and behavior, including the ways in which the nervous system subserves sensory coding and perception, movement, motivation, emotion, consciousness, learning, and memory. Includes historical antecedents and integration of animal experimental and human clinical data. *Prerequisite:* Psychology 121. *Four credit hours.* **YATES**

**[234] Theories of Learning** A comparative examination of Pavlovian, instrumental, and operant theories of learning and their application to animal and human behavior.



Includes historical antecedents and current issues. Lecture and laboratory. *Prerequisite:* Psychology 121. *Three credit hours.*

**235f Laboratory in Brain and Behavior** A laboratory supplement to Psychology 233. Major emphasis on techniques that enhance the understanding of brain-behavior relationships. Cannot be counted toward the psychology major or minor. *Prerequisite:* Concurrent or prior enrollment in Psychology 233 and permission of the instructor. *One credit hour.* YATES

**236s Drugs, Brain, and Behavior** A consideration of the relationships among drugs, the nervous system, conscious experience, and behavior. The history as well as the psychopharmacology of a wide variety of licit and illicit substances will be surveyed—including alcohol, nicotine, caffeine, cocaine, amphetamines, marijuana, psychedelics, opiates, prescription drugs, and over-the-counter medications. *Prerequisite:* Psychology 121, 122. *Four credit hours.* YATES

**[237] Psychology of Language** Selected topics in psycholinguistics, language, and thought. *Prerequisite:* Psychology 121, 122. *Four credit hours.*

**[238] Laboratory in Physiological Psychology** A laboratory supplement to Psychology 233 with in-depth examination of topics in physiological psychology including evolution, comparative psychology, behavioral genetics, neuroanatomy, sensation and perception, and psychopathology. Cannot be counted toward the psychology major or minor. *Prerequisite:* Concurrent or prior enrollment in Psychology 233 and permission of the instructor. *One credit hour.*

**[239] States of Consciousness** The psychology of perceptual-cognitive experiences in states of consciousness such as sleep, hypnosis, meditation, and trance. *Prerequisite:* Psychology 121, 122. *Four credit hours.*

**251f Theories of Personality** An examination of historical and current perspectives on the study of personality. Psychoanalytic, dispositional, sociocultural, and existential-humanistic theories of personality are covered. In addition, issues relevant to the study of personality, such as personality assessment, the stability and continuity of personality traits, and disorders of personality, are included. *Prerequisite:* Psychology 121, 122. *Four credit hours.* LADD

**253f Social Psychology** An examination of major topics and current issues and research in social psychology. Includes self-perception, social cognition, attitudes, interpersonal attraction, social influence, altruism, aggression, group processes, decision making, and various special applied topics such as social psychology and business, health, and the legal system. *Prerequisite:* Psychology 121, 122. *Four credit hours.* PITTMAN

**254s Abnormal Psychology** An examination of major paradigms, current issues, and research in abnormal psychology. Includes definitions and conceptualizations of abnormality, diagnostic classification, epidemiology, etiology, and clinical intervention strategies as applied to the major categories of mental disorder. Special topics such as the cross-cultural study of psychopathology, the legal implications of diagnostic classifications, and the importance of co-morbidity in the study of psychopathology are addressed. *Prerequisite:* Psychology 121, 122. *Four credit hours.* LADD

**255s Child Development** Principles of psychological development from conception through preadolescence, from a biological, sociocultural, and psychodynamic perspective. *Prerequisite:* Psychology 121, 122. *Four credit hours.* RAAG



**[256] Adolescent and Adult Development** Principles of psychological development from adolescence through senescence. Focus is on the individual's typical attempts to cope with changes in physical structure, social roles, and personal identity. Emphasis is on the application of theoretical concepts to research findings. *Prerequisite:* Psychology 255. *Four credit hours.*

**257f Educational Psychology** Psychological principles applied to problems of education. Principles of developmental psychology, educational testing and measurement, child and adolescent problems, and pathology. For related practicum courses, see the Education Program. Cannot be counted toward the psychology major or minor. *Prerequisite:* Sophomore standing or above. *Four credit hours.* S. RAAG

**[259] Evolutionary Psychology** Review of the genetic, ecological, and adaptive correlates of behavior. Topics include an overview of Darwin and the theory of natural selection, the comparative development of higher mental processes, aggression, reproduction, anti-predator behaviors, biological constraints on learning, and behavior genetics, with emphasis on animal behavior and evolution as a model for understanding human behavior. *Prerequisite:* Psychology 121, 122. *Four credit hours.*

**272s Sensation and Perception** The major human senses (vision, audition, somesthesia, taste, smell) studied as physiological systems and as intermediaries between the physical and perceived environments. Lecture and integrated laboratory. *Prerequisite:* Psychology 121, 122. *Four credit hours.* ATKINS

**[331] Interpersonal Perception Seminar** How we judge and explain our own and others' behavior. Discussion topics include stereotypes, first impressions, self-fulfilling prophecies, detection of deception, and social perception motives. Focus also on people's self-evaluations, such as how they view their abilities and potential; how they process and remember self-relevant information; and how they present themselves to others. Resulting implications for academic achievement, health, and social relationships are considered. *Prerequisite:* Psychology 214 and 253. *Four credit hours.*

**335f Developmental Psychology Seminar** An examination of research and theory in developmental psychology, with an emphasis on current issues. Topics may include nonverbal behaviors, facial expressions, social development, cognitive development, gender development, infancy, adolescence, or aging. *Prerequisite:* Psychology 255 and permission of the instructor. *Four credit hours.* RAAG

**[339] Seminar in The Psychology of Death and Dying** An examination of various death-related issues, including medical and spiritual definitions of death, coping with dying, terminal illness, the hospice movement, euthanasia, suicide, funeral practices, grief and bereavement. *Prerequisite:* Psychology 239. *Four credit hours.*

**[352] Sex and Gender Seminar** An examination of the human experience from the perspective of research/theory on sex and gender. Topics include biological processes, social behavior, personality, cognition, health, stereotypes, gender roles, gender identity, sexuality. Emphasis on sex-based behaviors and gender-based behaviors from a developmental perspective. *Prerequisite:* Psychology 255. *Four credit hours.*

**354f Psychological Testing and Assessment** An examination of the methodological foundations of psychological testing, assessment, and measurement that stresses both benefits and limitations of testing in practice. *Prerequisite:* Psychology 214, and Psychology 251, 254, or 255. *Four credit hours.* LADD

**355s Psychopathology Seminar** An examination of primary literature focusing on empirical, conceptual, and methodological issues and controversies in the field of

psychopathology. Topics drawn from the major domains of mental disorder (e.g., schizophrenia, personality disorders, mood disorders). Issues may include symptomatology; assessment and diagnosis of disorder; social, biological, and genetic factors contributing to disorder; and approaches to management and treatment. *Prerequisite:* Psychology 254. *Four credit hours.* LADD

**356s Seminar in Experimental Social Psychology** Critical examination of various areas of research in social psychology, with an emphasis on current issues. Discussion topics may include attitude structure and change, cognitive dissonance, group dynamics, health beliefs and behavior, justice, reasoning, self-presentation, social cognition, and stereotypes. Seminar and laboratory involving empirical research projects on topics discussed in seminar. *Prerequisite:* Psychology 214, 253, and permission of the instructor. *Five credit hours.* PITTMAN

**[357] Seminar in Psychopharmacology** An examination of current issues in the area of psychopharmacology. Topics may include the neuropharmacology of drugs of abuse, maternal use of illicit drugs, pharmacotherapy of mental disorders, drug use in sports, neurobiology of addiction, drug regulations, drug use and health, and drug use prevention. *Prerequisite:* Psychology 236. *Four credit hours.*

**[358] Personality Seminar: Current Issues in Personality** An examination of primary literature focusing on empirical, conceptual, and methodological issues and controversies in the field of personality psychology. Issues may include the validity and usefulness of current structural models of personality; the role of behavior genetics in the study of personality; the study of temperament and its relationship to personality; and the biological bases of personality. Emphasis not only on current issues facing the field but also on the modern personality theorists whose ideas and research are most influential in shaping the field. *Prerequisite:* Psychology 214, 251. *Four credit hours.*

**372s Seminar: Cognitive Neuroscience** An exploration of cognition as information processing, beginning with an investigation of the neural mechanisms that instantiate cognitive ability, with an in-depth evaluation of perceptual abilities and deficits. Likely topics include hemispheric specialization, visual perception, attention, memory, emotion, reasoning, and cognitive aspects of sexual differentiation. Primary literature will be used to evaluate contemporary theories. *Prerequisite:* Psychology 232 or 233 or 272. *Four credit hours.* ATKINS

**[374] Human Neuropsychology** The neural bases of abnormal human behavior and cognition, with integration of data from clinical neuropsychology and behavioral neurology. Topics include brain imaging technologies; neuropsychological evaluation; brain dysfunction and mental illness; neurotransmitters and behavior; developmental disorders; dementias and memory disorders; degenerative diseases; infectious diseases; seizures; traumatic brain injury; disorders of communication; and emotional-motivational dysfunction. Emphasis on the way in which disorders of the nervous system aid in understanding normal psychological processes. *Prerequisite:* Psychology 233. *Four credit hours.*

**378f Seminar on the Psychology of Anomalous Experience** A survey of human experiences that are difficult to explain within current scientific paradigms. Likely topics include psi-related experiences, past-life experiences, out-of-body experiences, near-death experiences, alien-abduction experiences, and anomalous healing experiences. Psychology 239 strongly recommended. *Four credit hours.* WINN

**398s Seminar: Neural and Psychological Disorders** A study of both normal and disordered brain functioning, including neurological, neuropsychological, and psychiatric disorders, with primary emphasis on the biological aspects of these disorders. Also considered are disorders that arise from discrete damage (e.g., schizophrenia and bipolar disorder)

whose origins are less clearly understood but which probably include genetic, biological, and developmental contributors. *Prerequisite:* Psychology 233. *Four credit hours.* YATES

**415f, 416s Psychological Research** Each student will conduct a research project on a question about human or animal behavior or mental processes. The question will be addressed by analyzing and synthesizing scientific literature (415). The investigation may include data collection (416). The project will integrate the knowledge and skills acquired in Psychology 214 and one or more content areas of the discipline. Students must apply to department during previous academic year. *Prerequisite:* Psychology 214, content area courses relevant to the research topic, and junior or senior standing in the major. *Two credit hours.* FACULTY

**477f History and Systems of Psychology** The historical background of modern psychology from the Greeks to Wundt and the development of systematic modern viewpoints such as structuralism, functionalism, behaviorism, Gestalt, and psychoanalysis. *Prerequisite:* Junior or senior standing as a psychology major. *Three or four credit hours.* ROHRMAN

**483f, 484s Honors Research** Under faculty supervision, students prepare a proposal and carry out an independent, empirical project culminating in the preparation of a paper of publishable quality and a formal presentation. A 3.50 major average at the end of the senior year is a condition of successful completion of this program. Application required during junior year. *Prerequisite:* A 3.50 major average at the end of the junior year and permission of the department. *Three credit hours.* FACULTY

**491f, 492s Independent Study** Individual projects, under faculty supervision, in areas in which the student has demonstrated the interest and competence necessary for independent work. Cannot be counted toward the psychology major or minor. *Prerequisite:* Permission of the instructor. *One to four credit hours.* FACULTY

## Religious Studies

*Chair,* PROFESSOR NIKKY SINGH

*Professors Debra Campbell and Singh; Assistant Professor Carleen Mandolfo; Visiting Instructor Joseph Marchal*

The study of religion in a college curriculum involves the historical and comparative scrutiny of the religious traditions of Christianity, Judaism, Islam, Hinduism, Sikhism, Jainism, Buddhism, Taoism, Confucianism, and Shinto. Inevitably, the examination of basic questions about religion, such as the existence and nature of God, religious experience, and the role of religion in society, are central to the discipline.

### Requirements for the Major in Religious Studies

A minimum of 10 courses, to include at least one from each of the following groups: Eastern religions (211, 212); history of Christianity (216, 236, 259); biblical literature (233, 234); three religious studies courses at the 300 level or above; and a senior independent study project. The three required 300-level courses may not include courses from other departments or institutions. The senior independent study project may take one of three forms: a four-credit independent study (491 or 492) with a religious studies faculty sponsor, a two-semester project in the honors program (483, 484) described below, or a Senior Scholar project.

The point scale for retention of the major applies to all courses that count toward the major.

### Honors Program in Religious Studies

Students majoring in religious studies who have a grade point average of 3.50 or higher in the major may apply during the junior year for admission to the honors program. Proposal



and bibliography must be submitted to the department chair by April 15. On successful completion of the work for the honors program, including a thesis, their graduation from the College will be noted as being "With Honors in Religious Studies."

### Requirements for the Minor in Religious Studies

A minimum of six courses in religious studies, including at least one from each of the following groups: Eastern religions (211, 212); history of Christianity (216, 236, 259); biblical literature (233, 234); three religious studies courses at the 300 level or above. The three required 300-level courses may not include courses from other departments or institutions.

### Courses from other departments that can serve as electives in Religious Studies

#### major

<i>Anthropology</i>	354	Native American Religion and Empowerment
<i>Art</i>	475	Seminar in Devotional Art
<i>Classics</i>	258	Romans and Jews: History, Religion, and Archaeology
<i>English</i>	349	Modern Jewish Writing: From the Diaspora to the Modern Israeli Novel
<i>Government</i>	251	Israelis and Palestinians: Conflict and Accommodation
	252	Politics of the Middle East
<i>History</i>	181	Jewish History I: From Antiquity to 1492
	182	Jewish History II: From 1492 to the Present
	215	Heresy, Humanism, and Reform
	281	Jews and Judaism in America
	313	Women in Medieval and Early Modern Europe
	317	The Gothic Moment: Paris and the Isle-de-France, 1100-1250
	384	Dilemmas of Modern Jewish Identity
	386	Anti-Semitism
	411	Sainthood and Popular Devotion in the Middle Ages
<i>Music</i>	117	Music and the Divine
<i>Philosophy</i>	114	Central Philosophical Issues: Nature and God
	274	Philosophy of Religion
	373	History of Medieval Philosophy
<i>Sociology</i>	235	Sociology of Religion

## Course Offerings

**117f A Passage to India: India and the Western Imagination** Beginning with Walt Whitman's romantic journeys toward the "soul" of the universe, the course will study Western attitudes towards India and India's encounter with Western culture in return. Literature and film include *Clear Light of Day*, *Salam Bombay*, *Siddhartha*, *The Razor's Edge*, *Gitanjali*, *Interpreter of Maladies*, *Bend It Like Beckham*, and *Four Quartets*. *Four credit hours*.  
L, D. SINGH

**[119] Sanskrit: The Sacred Language of Krishna and Gandhi** The "divine" (devanagari) writing system of India, with an introduction to Sanskrit grammar and vocabulary. An exploration of some basic concepts of Hinduism and Buddhism with readings from the original texts of the *Vedas*, *Upanishads*, *Bhagavad-Gita*, and *Heart Sutra*. *Three credit hours*. D.

**[151] Reflections on Evil: A Study of the Book of Job** Beginning with Archibald MacLeish's well-known play *J.B.* and Rabbi Kushner's *When Bad Things Happen to Good People*, the course will move on to a close reading of the Book of Job as a vehicle for raising the question of whether "personal religion"—the view that human beings are the objects of divine creation, nurture, guidance, and protection—survives the challenge of the experience of persistent evils in the world. This central question in the biblical Book of Job, and one that has troubled men and women in every generation, is the focus of study of



Job in its historical and religious context; exploration of wider themes, including the relationship of the book to other literature in which the "problem of evil" is considered. *Four credit hours.*

**[154] Islam and the Middle East** An introduction to Islam, beginning with Muhammad and the Qur'an and exploring the major beliefs, practices, and institutions of this religion. Consideration to the diversity within Islam (e.g., Sunni, Mu'tazilite, Sufi, Shi'ite, etc.) as well as to its general characteristics. Attention both to Islam in its formative period and to Islam as a dominant religion in the contemporary Middle East. *Three credit hours.* **S, D, I.**

**211js Religions of India** A study of Hinduism, Buddhism, Jainism, Sufism, and Sikhism with a focus upon their religious texts and the cultural context within which they developed. An examination of the relationship these religious traditions have to one another, their metaphysical understanding of reality, their theories of self, and their views of the social—as expressed in ritual, myth, art, and poetry. *Four credit hours.* **S, D.** SINGH

**[212] Religions of China, Japan, and Tibet** An examination of Confucianism, Taoism, Shinto, and Buddhism—the indigenous religions of China, Japan, and Tibet; tracing the entrance of Buddhism into China, Japan, and Tibet and the resulting transformation of this religion in its interaction with these civilizations. The political ideology of Confucianism, the mystical dimensions of Taoism, the mythological aspects of Shinto, the meditative experiences of Zen (haiku, swordsmanship, and the tea ceremony, etc.), and the psychological and artistic practices of Tibet. *Four credit hours.* **S, D.**

**[216] Church History and Theology in Medieval Europe** Listed as History 216 (q.v.). *Four credit hours.* **H.**

**217f Religion in the U.S.A.** A historical approach to religion in the United States from the colonial period to the present. Traces the evolution of the dominant Christian tradition and focuses upon pivotal moments in the development of American Judaism and selected indigenous traditions. Examines the diversity of contemporary American religion and the relationship between religion and popular culture. *Four credit hours.* **H.** CAMPBELL

**233f Introduction to Hebrew Scriptures** An introduction to the world of the texts Jews call the Tanakh and some Christians call the Old Testament, focusing on historical, literary, and rhetorical backgrounds of the texts; close readings of specific passages in the various books; and the critical methods informed readers use to interpret them in a responsible yet interesting manner. *Four credit hours.* **L.** MARCHAL

**234s Introduction to the Second Testament** An introduction to the world of the texts of the New or Second Testament through close readings of specific passages. Topics include these texts' historical, literary, and rhetorical backgrounds, and critical methods informed readers use to interpret them in a responsible yet interesting manner. *Four credit hours.* **L.** MARCHAL

**236f Christianity from the Reformation to the Present** Turning points in the history of Christianity from the Protestant and Catholic reformations of the 16th century to the present. The expansion of Christianity through missionary and colonial enterprises, the ever-increasing diversity within Christianity from the 16th century onward, and Christian responses to the Enlightenment, feminism, institutionalized racism, the Holocaust, totalitarianism, the cultures of indigenous peoples, and a broad spectrum of technological changes from the printing press to modern reproductive technologies. *Four credit hours.* **H.** CAMPBELL

**256j Religion in Film and Fiction** An examination of selected works in American literature, with emphasis on the manner in which the authors treat biblical and religious

themes, characters, and narratives. With reference to these works and films based upon them, students pursue related questions about the place of myth, symbol, and imagery in American thought and culture. *Three credit hours.* L. CAMPBELL

**[257] Women in American Religion** An examination of women in North American religions from colonial times to the present, exploring the religious experiences of ordinary women as well as those of famous religious leaders, heretics, and prophets. Close attention paid to the ways in which women have adapted patriarchal religions to their own needs and developed their own spiritualities, as well as to the emergence and development of feminist critiques of organized and civil religion. *Four credit hours.* H, D.

**259s Catholics** An examination of the history and culture of the Catholic church during the past century with special emphasis on the recent past: Vatican II, liberation theology, and Catholic teachings on issues such as sexuality, capital punishment, medical ethics, social justice, and the role of women in the church. *Four credit hours.* CAMPBELL

**[275] Contemporary Wicca: Formalists, Feminists, and Free Spirits** The history, the historicity, and the practice of contemporary Wicca on this continent. Wicca, one of the fastest growing religions in North America, and often erroneously confused with Satanism, is an earth-based religion centered on Goddess (and God) imagery that stresses the sacredness of each individual and all of life. Extensive readings and some videos on the thea/ology, rituals, practices, and political activism of Wiccans. Experiential components (which may include e-mail discussions with Wiccans, ritual design, participation in an open circle, or personal use of divination) and questions: How does the centrality of feminine divine imagery affect the development, structures, and practices of this religion? To what extent has feminism shaped Wicca in the United States and Canada? Why are so many Wiccans also activists, and why is there so much public resistance to and discrimination against Wiccans? *Three credit hours.* D.

**298s Women from the Beginnings: Introduction to Judaism, Christianity, and Islam** An introduction to the three "religions of the book," concentrating on particular time periods, texts, and issues, and focusing on the origins of these movements to gain an understanding of each of these religions through the study of their scriptures: the Hebrew Bible, Second Testament, and Qur'an. The additional thematic focus on women in these sacred texts grounds their introductions, providing an opportunity to rethink current assumptions. *Four credit hours.* MARCHAL

**312s South Asian Women at the Crossroads: Tradition and Modernity** The departure of the British and the partition of the Indian subcontinent created a new world in which indigenous traditions, Western imperialism, and independence deeply affected women and the rise of the women's movement. A study of both South Asian women who live in the subcontinent and those who have made their homes abroad, focusing on issues of gender, race, and class. In the writings of South Asian women, literary ideals, religious traditions, and societal issues overlap; caste and hierarchy, colonialism and its aftermath, sexuality, and the search for identity emerge vigorously in their speeches, novels, biographies, and poetry. *Four credit hours.* L, D, I. SINGH

**[316] Seminar: Contemporary Western Theology** Following a brief recapitulation of early 20th-century theology and the religious crisis of the world wars, an intensive study of a variety of theological developments since mid-century, including post-Holocaust Jewish, feminist, Native American, black, Christian-Buddhist, liberation, process and eco-theologies. *Prerequisite:* One of the following: Religious Studies 216, 217, 235, or 259. *Four credit hours.*

**317f Sikhism: Scripture, Sacred Music, and Art** How does the sacred text translate into the daily life, music, literature, and even the physical identity of the Sikhs? How can

their text influence Sikh gender politics? With its focus on scripture, the seminar explores not only the Hindu and Islamic parameters within which Sikhism originated but also its encounter with British colonialism and the influence of mass migration in the modern world. *Prerequisite:* Religious Studies 117, 211, or 212. *Four credit hours.* **S, D, I.** SINGH

**[318] Seminar: Mary Daly** Selected books by the radical feminist theologian/philosopher Mary Daly, read in conjunction with books by her feminist contemporaries and forebears, including Virginia Woolf, Simone de Beauvoir, Adrienne Rich, and Audre Lorde. *Prerequisite:* One of the following: Religious Studies 217, 257, or Women's, Gender, and Sexuality Studies 211. *Four credit hours.* **U.**

**332s Western Spirituality** In contrast to theology (formal discourse about God and divine-human relations), the field of spirituality focuses upon the specific efforts of individuals to achieve communion (or even union) with God. The variety of ways that "ordinary people" and famous mystics within the Judeo-Christian tradition have sought to nurture close relations with God, covering the period from the rise of Christianity through the present day. *Prerequisite:* One of the following: Religious Studies 216, 217, 235, or 259. *Four credit hours.* CAMPBELL

**[334] Religion and World War II** An examination of religious and spiritual responses to the Second World War (including the Holocaust) and its aftermath, the Cold War, as they are embodied in historical narratives, theologies, personal narratives, fiction, drama, and film. Addresses questions revisited since September 11, 2001, concerning how political crises catalyze spiritual awakenings and, in the process, give birth to new theologies and spiritualities. *Prerequisite:* One of the following: Religious Studies 215, 216, 217, or 236. *Four credit hours.*

**[338] Texts of Terror: Violence in the Bible** From the practice of human and animal sacrifice in the Hebrew Bible to the "sacrifice" of Jesus in the Christian Gospels, an examination of the intersection of violence and religion as portrayed in Jewish and Christian sacred scripture. Using the anthropological and psychological insights of Rene Girard and other theorists, a number of morally challenging biblical texts will be read with a focus on the portrayal of God as complicit (either implicitly or explicitly) in incidences of violence in the Bible. Contemporary works of literature that explore the theme of sacred violence as well as examples drawn from the contemporary political scene will supplement the biblical component. *Prerequisite:* Religious Studies 233 or 234. *Four credit hours.*

**[355] The Goddess: A Hermeneutics in Theology** An exploration of some Eastern and Western visions of divinity through feminine imagery and symbolism. The hermeneutic process entails a discovering and reimagining of the goddess's multi-dimensionality in art and literature. The objective is to appreciate the variety and complexity of the sacred in figures such as Sarasvati, Durga, Inanna, Athena, Aphrodite, Mary, Kuan Yin, Amaterasu. What powers do these goddesses manifest individually? How do creative, nurturing, and destroying elements combine in them? What validations do they offer society? What new dimensions of feminine life do they release? How does theology differ from thealogy? *Prerequisite:* Religious Studies 211 or 212. *Four credit hours.* **S, D.**

**[356] The African-American Religious Experience** A sociological analysis and historical overview of the diverse religious organizations, leaders, experiences, and practices of black people in the United States. Emphasis upon the predominant Afro-Christian experience, its relationship with the African background, contemporary African religions, other religions (e.g., Islam), political institutions, social change, urban problems, and the arts. Special attention to the role of black Christian women in church and society. *Prerequisite:* An introductory sociology or anthropology course, or American Studies 276. *Four credit hours.* **D.**

**[393] Text and Tradition: Judaism, Past and Present** Listed as History 393 (q.v.). *Four credit hours.* H, D, I.

**397f Feminism, Rhetoric, and Paul** A seminar with three purposes: to gain access from our time and place to the letters of Paul and the historical, social, and theological issues that they raise; to practice different feminist readings of these letters with the help of recent feminist studies of Paul; and to test how the study of ancient and modern rhetoric can illuminate Paul's arguments and help us reconstruct the power dynamics and counter-arguments within the communities about which he writes. *Four credit hours.* MARCHAL

**397Bf Christ-Killers, Money-Lenders, Prophets, and Neurotics: Jews in Literature Medieval to Modern** Listed as English 397E (q.v.). *Four credit hours.* L, D. NARIN VAN COURT

**398s Queer Theory, Interpretation, and Biblical Worlds** An introduction to the study of relevant biblical texts in the context of their social, historical, and cultural backgrounds. How queer theory contributes to contemporary interpretations as they relate to various issues, including gender, sexuality, identity, and political praxis. *Four credit hours.* MARCHAL

**483f, 484s Religious Studies Honors Program** Research conducted under the guidance of a faculty member and focused on an approved topic leading to the writing of a thesis. *Prerequisite:* A 3.50 average in the major at the end of the junior year and permission of the department. *Four credit hours.* FACULTY

**491f, 492s Independent Study** Individual projects in areas where the student has demonstrated the interest and competence necessary for independent work. *Prerequisite:* Permission of the instructor. *One to four credit hours.* FACULTY

## Russian

### *In the Department of German and Russian.*

*Chair,* ASSOCIATE PROFESSOR URSULA REIDEL-SCHREWE (GERMAN)

*Associate Professors* Julie de Sherbinin and Sheila McCarthy; *Language Assistant* Maria Zhurbina

The major emphasizes Russian language and literature as the foundation for study in other disciplines such as history and government in order that students develop a multidisciplinary understanding of Russia in the past and the present. Students are encouraged to participate in extracurricular activities on the campus, including guest lectures and seminars, discussion group meetings, films, weekly Russian table dinners, and an annual program of cultural events.

Students majoring in Russian language and culture are expected to study in Russia for at least one semester. Instructors advise beginning students carefully about January, summer, and semester programs available in many Russian institutions. The Colby in St. Petersburg Program offers students highly individualized study of Russian language, literature, and history, a full cultural program, and residence with Russian families.

#### **Requirements for the Major in Russian Language and Culture**

- (1) A minimum of seven courses (three or four credits) numbered above Russian 127 in the Department of German and Russian, including Russian 426 or 428, and at least one course each in 19th- and 20th-century literature. (Russian 237 and 238 are the preferred literature courses in translation.)
- (2) History 227 and 228.
- (3) A seminar in Russian literature (Russian 426, 428) or Russian history or government (when offered).



The point scale for retention of the major applies to all courses offered toward the major. No requirements for the major may be taken satisfactory/unsatisfactory.

### **Requirements for the Minor in Russian Language and Literature**

- (1) Four introductory Russian language courses: Russian 125, 126, 127, 128.
- (2) Two courses in Russian literature in translation: one course in 19th-century literature and one course in 20th-century literature, to be chosen from Russian 174, 177, 231, 232, 237, or 238.
- (3) One course in Russian literature in the original, chosen from Russian 325 or 326.

Russian majors and minors who are unable to study in Russia for a semester are strongly encouraged to enroll in one or more January Program courses in St. Petersburg.

Russian majors and minors should broaden their study through related courses in other departments, particularly courses in the History Department, such as History 227, 228, 447, and in the Government Department, such as Government 131, 151, 232, 258, 359, 432.

## **Course Offerings**

**113j The Literature and Art of St. Petersburg** A three-week intensive course in St. Petersburg, Russia. Students read Pushkin, Dostoevsky, and other major St. Petersburg writers, study the imperial and revolutionary history of the city, and learn about the city's art and architecture in classroom lectures and museum visits. Students also receive a brief introduction to the Russian language. The course includes theater and concert performances and residence with a Russian family. Conducted in English; no knowledge of Russian required. Nongraded. Cost in 2004: \$2,250. *Three credit hours.* INSTRUCTOR

**114j Russia's Transition Economy** A three-week intensive course in St. Petersburg, Russia. In daily class lectures and planned site visits, students are introduced to the Soviet centralized economy and its evolution since the 1950s. Topics include militarization; industrialization; collectivization; economic stagnation; price liberalization; budgets and taxation; inflation and currency reforms; banks; investment; small businesses; export and import; the new Russian entrepreneur; stock markets; the bank crisis of August 1998; the oligarchs and "natural" monopolies. The course includes a cultural program and residence with a Russian family. Conducted in English; no knowledge of Russian required. Nongraded. Cost in 2004: \$2,250. *Three credit hours.*

**115j Russian Ethnography** A three-week intensive course in St. Petersburg, Russia. In class lectures and discussions, field trips to the Museum of Anthropology and Ethnography and to the Russian Ethnographical Museum, and in planned day excursions outside the city, students are introduced to many of the Russian Federation's minority ethnic groups, including the indigenous peoples of Siberia, Russia's northern peoples, Jews, Cossacks, and others. Lectures will contrast tsarist policy to Soviet ethnic policy of the 20th century. The course includes a cultural program and residence with a Russian family. Conducted in English; no knowledge of Russian required. Nongraded. Cost in 2004: \$2,250. *Three credit hours.* INSTRUCTOR

**125f, 126s Elementary Russian I** The structure of the Russian language, spoken Russian, listening comprehension, and reading and writing of basic Russian. In addition to the textbook and language laboratory, Russian television will be used as an aid in understanding both the language and culture of Russia. *Prerequisite:* Russian 125 is prerequisite for 126. *Four credit hours.* MCCARTHY

**125j Elementary Russian I** The structure of the Russian language, spoken Russian, listening comprehension, and reading and writing of basic Russian. In addition to the textbook and language laboratory, Russian television will be used as an aid in understanding both the language and culture of Russia. Offered in St. Petersburg. Cost in 2004: \$2,250. *Three credit hours.* INSTRUCTOR

**127f, 128s Intermediate Russian** Increased emphasis on reading and writing skills; continued use of Russian television and other audiovisual aids to improve oral and listening skills. *Prerequisite:* Russian 126; Russian 127 is prerequisite for 128. *Four credit hours.* DE SHERBININ

**[135] Conversation Group** An informal weekly small-group meeting for conversation practice in Russian. Topics for discussion include autobiography, education, leisure time activities, travel, stores and purchases, film, TV, and newspaper excerpts. Conducted entirely in Russian. May be repeated for credit. Nongraded. *One credit hour.*

**174j Chekhov and the Short Story Tradition** Study of the American and British short story as it was influenced by the Russian master of the short story, Anton Chekhov. Readings include Chekhov's early humorous stories and mature works, essays on the short story, and selected stories by Raymond Carver, Bernard Malamud, Katherine Mansfield, Alice Munro, Joyce Carol Oates, Eudora Welty, Virginia Woolf, Richard Wright, and others. Conducted in English; no knowledge of Russian required. *Three credit hours.* L. DE SHERBININ

**197f Chekhov's Major Plays** Reading and discussion of Chekhov's four major plays—*The Seagull*, *Uncle Vanya*, *Three Sisters*, and *The Cherry Orchard*—followed by performances of each, on stage or film. Five Monday 7-9 p.m. class meetings: September 13, 20, and 27, and October 4 and 11, 2004. Part of Colby's Chekhov Centenary Festival in October 2004. *One credit hour.* DE SHERBININ

**[231] Topics in Russian Literature** Topics, which change every year, may cover an author, a work, a genre, or a theme central to Russian literature of the 19th century. Reading, writing, discussion, classroom presentation of topics from selected short stories and novels. Emphasis on improved writing and discussion skills. Conducted in English; no knowledge of Russian required. *Three or four credit hours.* L.

**[232] Topics in Russian Literature** Topics, which change every year, may cover an author, a work, a genre, or a theme central to Russian literature of the 20th century. Conducted in English; no knowledge of Russian required. *Four credit hours.* L.

**237f 19th-Century Russian Literature** An introduction to some of the world's most influential authors—Dostoevsky, Tolstoy, and Chekhov—and study of selected works by Pushkin, Gogol, Lermontov, and Turgenev. Conducted in English; no knowledge of Russian required. *Four credit hours.* L. MCCARTHY

**[238] The Search for Utopia: 20th-Century Russian Literature** An examination of the socialist realists' vision of Utopia, including selected works of Gorky, Sholokhov, and others, in comparison to the prophecies of modernist writers, such as Bulgakov, Zamiatin, Olesha, Pasternak, and others. Careful attention to the writing process in a series of brief student essays. Conducted in English; no knowledge of Russian required. *Four credit hours.* L.

**[271] Human Rights in World Literature** The notion of "human rights" arose in the 20th century in response to violations of horrific proportions all over the globe. Writers have frequently taken up their pens to preserve a record of human cruelty and endurance. Memoirs, poetry, short stories, and novels written by witnesses and victims of some of the 20th century's most repressive political systems will be studied in an exploration of how fiction facilitates survival, disseminates information, and insists upon remembrance. *Four credit hours.* L, D, I.

**325f Conversation and Composition** Grammar review and continued practice in oral and written expression. Reading and analysis of literary and historical texts from the 19th and 20th centuries. Original audiovisual taped materials supplement the readings. Conducted in Russian. *Prerequisite:* Russian 128. *Four credit hours.* DE SHERBININ

**326s Conversation and Composition** Grammar review and continued practice in oral and written expression. Reading and analysis of literary and historical texts from the 19th and 20th centuries. Original audiovisual taped materials supplement the readings. Conducted in Russian. *Prerequisite:* Russian 325. *Four credit hours.* MCCARTHY

**335fs Conversation Group** An informal weekly small-group meeting for conversation practice in Russian. Topics for discussion include autobiography, education, leisure time activities, travel, stores and purchases, film, TV, and newspaper excerpts. Conducted entirely in Russian. May be repeated for credit. Nongraded. *Prerequisite:* Russian 127 or equivalent. *One credit hour.* INSTRUCTOR

**346s 20th-Century Russian Poetry** Weekly one-hour meetings focus on a poem by one of the major 20th-century Russian poets, including Blok, Akhmatova, Tsvetaeva, Pasternak, Mandelshtam, and Brodsky. Readings in Russian; discussion and short papers in English. May be repeated for credit. *Prerequisite:* Russian 127. *One or two credit hours.* DE SHERBININ

**425f The Russian Short Story** Readings, lectures, and discussions of Russian 19th- and 20th-century short stories that focus on the theme of exploration—geographical journeys in Russia and abroad as well as inward quests of self-discovery. Students work on advanced issues of Russian grammar and improve their skills in oral communication and written composition. Conducted entirely in Russian. *Prerequisite:* Russian 326. *Four credit hours.* L. MCCARTHY

**[426] The 19th-Century Russian Novel** A seminar that analyzes one major Russian novel of the 19th century, such as Tolstoy's *Anna Karenina* or Turgenev's *Fathers and Children*. Additional readings and discussions on the life and times of the author and the political, social, and historical context of the novel. Conducted entirely in Russian. *Prerequisite:* Russian 425 or 427. *Four credit hours.* L.

**[427] Contemporary Russian Studies** Readings and discussion of representative contemporary Russian short stories and periodical literature; biweekly compositions in Russian. Conducted entirely in Russian. *Prerequisite:* Russian 326. *Four credit hours.* L.

**428s The 20th-Century Russian Novel** A seminar that analyzes one major Russian novel of the 20th century, for example, Bulgakov's *Master and Margarita* or Pasternak's *Dr. Zhivago*. Additional readings and discussions on the life and times of the author and the political, social, and historical context of the novel. Conducted entirely in Russian. *Prerequisite:* Russian 425 or 427. *Four credit hours.* L. DE SHERBININ

**491f, 492s Independent Study** Individual projects in areas where the student has demonstrated the interest and competence necessary for independent work. *Prerequisite:* Permission of the instructor. *One to four credit hours.* FACULTY

# Science, Technology, and Society

*Director*, ASSOCIATE PROFESSOR PAUL JOSEPHSON

ADVISORY COMMITTEE: *Professors Frank Fekete (Biology), James Fleming (Science, Technology, and Society), Fernando Gouvêa (Mathematics), Robert McArthur (Philosophy), Leonard Reich (Administrative Science and Science, Technology, and Society), Dale Skrien (Computer Science), and James Webb (History); Associate Professors Jonathan Hallstrom (Music) and Josephson (History); Assistant Professors Randolph Jones (Computer Science), Jennifer Shosa (Geology), Judy Stone (Biology), and Andrea Tilden (Biology)*

Science, Technology, and Society (STS) examines the social and cultural implications of discoveries, theories, and inventions—of natural knowledge and material culture—both in America and globally. The field has deep intellectual roots in the history, philosophy, and sociology of science and technology. STS is an exciting interdisciplinary field of study for students from all majors. It constitutes a fundamental aspect of a liberal arts education.

Science and technology have become increasingly important components of our world, changing the ways we live, work, and think. The well being of individuals, nations, and, ultimately, our Earth depends in part on technoscientific developments that are part of the process shaping both the social fabric and the natural environment.

By choosing from a variety of electives, students in the STS Program are introduced to critical and interdisciplinary perspectives on the interactions of science, technology, and society. Students gain an understanding of the historical and social dimensions of science and technology; they also become better-informed citizens of our high-tech society. STS requires no special technical expertise.

## Requirements for the Major in Science, Technology, and Society

Science, Technology, and Society 112; 485, 486 or 492; one 200-level or higher natural science or computer science course beyond the College requirement; one Science, Technology, and Society technology course\*,\*\*; one Science, Technology, and Society science course\*,\*\*; one Science, Technology, and Society U.S.-focused course\*,\*\*; one Science, Technology, and Society internationally focused course\*,\*\*; three 200-level or higher Science, Technology, and Society-approved courses\*\*

\* Cannot fulfill more than one focus

\*\* At least three must be STS courses or cross listed with STS

No more than three 100-level courses may be counted toward the major. The point scale for retention of the major applies to all courses offered toward the major. No requirements may be taken satisfactory/unsatisfactory.

## Requirements for the Minor in Science, Technology, and Society

Science Technology, and Society 112, 485, 486, and at least two courses from the following list.

### Courses from other departments that may be applied to the Science, Technology, and Society major or minor

<i>Anthropology</i>	252	Hunger, Poverty and Population
	256	Land, Food, Culture, and Power
	273	Medical Anthropology
<i>Biology</i>	115	Biology of Women
	133	Microorganisms and Society
	134	Darwin on Trial
	245	Biology, Race and Gender
	271	Introduction to Ecology
	274	Neurobiology
	275	Mammalian Physiology
	493	Problems in Environmental Science



<i>Chemistry</i>	112	Chemistry for Citizens
	118	Chemistry of Life
	217	Environmental Chemistry
<i>Computer Science</i>	111	Weaving the Web
	113	Great Ideas in Computer Science
	232	Computer Organization
	353	Artificial Intelligence
<i>Economics</i>	222	Health Economics
	231	Environment and Natural Resources
<i>Environmental Studies</i>	118	Environment and Society
	235	Sustainable Development
	319	Conservation Biology
	334	International Environmental Law
<i>Geology</i>	131	Environmental Geology
<i>Government</i>	333	Globalization and Social Justice
<i>History</i>	244	Changing Notions of Progress
	245	Science, Race, and Gender
	246	Luddite Rantings
	394	Ecological History
	445	Nuclear Madness
	497	Science, Government, and Culture
	446	Historical Epidemiology
	481	Ecological Change in World
<i>Mathematics</i>	376	History of Mathematics
<i>Music</i>	213	Introduction to Computer Music
<i>Philosophy</i>	126	Philosophy and the Environment
	212	Philosophy and Technology
	213	Philosophical Inquiries into Race
	317	Philosophy of Science
<i>Psychology</i>	197	Virtual Reality
	233	Physiological Psychology
	374	Human Neuropsychology
	477	History and Systems of Psychology
<i>Physics</i>	111	From Galileo to Einstein
	115	The Shadow of the Bomb
	116	Chaos and Complexity
	197	Environmental Physics
<i>Sociology</i>	333	Globalization
	356	Health and Illness
<i>Science, Technology, and Society</i>	112	Science, Technology, and Society (required)
	115	Digital Photography and Imaging
	215	Weather, Climate, and Society
	251	Industry, Technology, and Society
	271	History of Science in America
	273	Apocalypse Now
	281	Global Environmental History
	275	Science, Technology, and Politics
	356	The Biography of Oil
	393	Technology, War, and Society
	485	Senior Seminar: Theories and Methods (required)
	486	Senior Project (may be substituted)
	491	Independent Study
	492	Independent Study

## Course Offerings

**112fs Science, Technology, and Society** Critical perspectives on the social aspects of science and technology in our lives, in the world around us, and throughout history. Issues include gender, communications, war, and the environment. *Four credit hours.* S. FLEMING, REICH

**[117] Digital Photography and Imaging** The study of photography basics as they apply to digital cameras, scanning techniques, and digital image manipulation using Photoshop Elements. Also, the history of photography and imaging, both film and digital, the science behind digital photo/imaging systems, the social/ethical issues involved in digital image manipulation, and how the digital revolution has changed the photo industry. Students must have a digital camera on which they can manually set aperture and shutter speed. *Two credit hours.*

**[118] Environment and Society** Listed as Environmental Studies 118 (q.v.). *Four credit hours.*

**[121] Native Natural Knowledge** An introduction to systems of natural knowledge in the non-Western world. The focus is on living traditions in Africa, Australia, China, Japan, and native North and South America. Emphasis is on diversity with a view to articulating both a personal philosophy and a global environmental synthesis. *Four credit hours.* H, D, I.

**215f Weather, Climate, and Society** A comprehensive introduction to the science of global change and its social dimensions. Topics include the composition, structure, and circulation of Earth's atmosphere and oceans; air pollution, ozone depletion, *El Niño*, and climate change. *Four credit hours.* N. FLEMING

**[244] Changing Notions of Progress** Listed as History 244 (q.v.). *Three credit hours.* H.

**[245] Science, Race, and Gender** A two-course cluster (both required). For descriptions see Biology 245 and History 245. *Eight credit hours.*

**[246] Luddite Rantings: A Historical Critique of Big Technology** Listed as History 244 (q.v.). *Four credit hours.* H.

**[251] Industry, Technology, and Society** An examination of the processes by which rapid technological developments have taken place in America, including the country's transformation from an agricultural- to an industrial-based economy during the 19th century; the stimuli and constraints on inventors, engineers, entrepreneurs, and corporations; the hesitant and often ineffective attempts by government to control technology; and the impact that evolving technology and industry have had on the environment. *Four credit hours.* H.

**[271] History of Science in America** A survey of the social, intellectual, and institutional development of science in America from colonial times to the present. Topics include scientists' roles in government, education, and industry; science in war; women in science; and the emergence of America as a leading scientific nation. *Four credit hours.* H.

**[273] Apocalypse Now: Science, Technology, and the Millennium** Perspectives on technology and gender in the shaping of millennial hopes and expectations, including the quest for ultimate knowledge, power, and control. Topics include technological enthusiasm

since the Middle Ages, in early American history, and as manifested by atomic weapons, space travel, robotics, artificial intelligence, genetic engineering, and the environmental crisis. Seminar format will emphasize close reading and discussion of primary sources. *Four credit hours.*

**[275] Science, Technology, and Politics** The origins of and contemporary issues in U.S. science and technology policy development, focusing on federal policy issues associated with the civil space program, advances in biomedicine, information technology, and intellectual property created by federally funded research. *Four credit hours.* S.

**[281] Global Environmental History** Perspectives from the Southern and Northern Hemispheres. A seminar examining the history of environmental issues from the different perspectives of the South and the North. The course will meet on occasion in the video conferencing center for discussions with international experts from the Southern Hemisphere. Readings and discussion will emphasize responses to past environmental changes through the historical lenses of gender, race, class, privilege, and other differences. *Four credit hours.* H, I.

**356s The Biography of Oil** Petroleum—it's not just a material, it's a way of life. How the oil industries and the technologies spawned by oil (e.g., automobiles, plastics, jet planes, synthetic fertilizers) have influenced our lives, our economy, and our politics over the last 125 years. Topics range from the biochemistry and geology of oil formation to the development of technologies and business organizations around oil production, processing, marketing, and use, culminating with oil-related policy issues concerned with international relations, environmental degradation, and the depletion of the resource. *Four credit hours.* S. REICH

**393f Technology, War, and Society** A seminar on the role of technology in warfare and the military's broader influence on society from antiquity to the end of the Cold War. Topics include causes of war, military research and development, the rise of the national security state, high-tech warfare, and the future of war. *Four credit hours.* H. FLEMING, J. ROISMAN

**[445] Nuclear Madness** Listed as History 445 (q.v.). *Four credit hours.* H.

**471f Research Seminar: Science, Government, and Culture** Listed as History 471 (q.v.). *Four credit hours.* H. JOSEPHSON

**485f Technology and Its Discontents** A seminar emphasizing classical and enduring texts by philosophers, historians, and sociologists of science and technology. Students will engage in weekly discussions and write a series of short think pieces on the readings. STS students will identify a research topic, conduct a literature review, and write a formal proposal in preparation for completing a final integrative project. Open to all seniors. *Prerequisite:* Permission of the instructor. *Four credit hours.* FLEMING

**486s Science, Technology, and Society Senior Project** The second part of a year-long capstone research experience. Students will complete a final integrative project and present a public seminar. *Prerequisite:* Science, Technology, and Society 485. *Four credit hours.* FLEMING

**491f, 492s Independent Study** Independent study in areas in which the student has demonstrated the interest and competence necessary for independent work. *Prerequisite:* Permission of the instructor and the program director. *One to four credit hours.* FACULTY

## Selected Topics

**-97, -98 Study of Selected Topics** Each department and interdisciplinary program may from time to time offer special courses not otherwise included in the current catalogue. When such a course is offered, it will be listed on the curriculum under the appropriate subject heading. The first digit of its number will depend on the level at which it is offered. Titles, descriptions, prerequisites, and number and type of credits are determined by the department or interdisciplinary major offering the course; information is available at registration or from the appropriate department.

## Sociology

*Chair, PROFESSOR THOMAS MORRIONE*

*Professors Terry Arendell, Morrione, and Cheryl Townsend Gilkes; Assistant Professors Alec Campbell and Jonathan White; Visiting Instructor Heidi Kim*

The sociology curriculum introduces students to the discipline, especially to the interplay of sociological theory and sociological research. Courses foster appreciation of such sociological concerns as social inequality, race and ethnicity, gender, social change, globalization, social control, deviance, conflict, social movements, and the formation of identity, and of various major social institutions, including education, the economy, polity, family, medicine, law, and criminal justice. Social policy issues are a common theme in courses. By conducting research for course projects, students learn that sociology is an empirically based social science; they learn to do sociology as well as to read about how it is done. The major in sociology provides students with critical and humanistic perspectives. For those considering graduate or professional school, the major offers a comprehensive background in theory, research methods, statistics, and various substantive subject areas in the discipline.

### Requirements for the Major in Sociology

Class of 2005: Sociology 131, 215, 271, 272, 318, 493. Four additional sociology courses (one course in anthropology at the 200 level or above may be substituted). Sociology 215, 271, 272, and 318 must be completed before the senior year; exceptions must be sought through petition to the department and will be discouraged.

Class of 2006 and beyond: Sociology 131, 215, 252, 271, 272, 274, 318, 493. Four additional sociology courses (one course in anthropology at the 200 level or above may be substituted). Sociology 215, 271, 272, and 318 are to be completed before the senior year, typically during the second year.

The point scale for retention of the major applies to all courses in sociology. No requirement for the major may be taken satisfactory/unsatisfactory.

### Study Abroad

Department policy is that students majoring in sociology generally study abroad only one semester, preferably spring semester of their junior year, upon completion of all major course requirements (excepting electives and Sociology 493) and receive credit toward the major for only one course per semester, if that course is approved in advance by the department. To be approved, a course must be one that might be (or is) offered in the Colby Sociology Department; that is, no course focusing exclusively on another country or culture or without specified theoretical content will be granted elective credit toward the major. No core course requirements can be met by course work taken elsewhere. Students majoring in sociology are urged to seek approval for a range of courses, in advance, to be prepared for possible cancellation of an approved course in any non-Colby-sponsored program abroad.

### Honors in Sociology

Seniors majoring in sociology may apply for the honors program by securing a faculty sponsor, a secondary faculty reader, and department approval of a written proposal. The program involves independent research conducted under the auspices of Sociology 483. To apply, a student must have a 3.25 overall grade point average and a 3.60 grade point average in the major or special permission of the department. The written proposal must include a description of the proposed work and a timeline, and must be submitted



within the first month of classes of fall semester for enrollment in the senior spring semester or during the last month of classes of the junior year for enrollment in the senior fall semester. A maximum of six credits may be received, none of which may count toward the required elective credits in the major. Enrollment options include spring semester; spring semester and Jan Plan; fall semester; fall semester and Jan Plan; fall, Jan Plan, and spring semesters. The final product will usually consist of a research paper of 50 or more pages of superior quality.

**Distinction in the Major:**

Distinction in the major upon graduation requires a 3.60 grade point average in the major and a 3.25 overall grade point average.

*Note:* All courses offered by the Sociology Department fulfill the area requirement in social sciences (S); Sociology 271 fulfills a quantitative reasoning requirement (Q). Sociology courses have limited enrollments.

## Course Offerings

**131fs Principles of Sociology** Sociologists study processes by which people create, maintain, and change their social and cultural worlds. They investigate contemporary social issues and strive to explain relationships between what happens in peoples' lives and the societies in which they live. Sociology's research methods and theories apply to the full range of human behavior, from individual acts to global environmental, political, and economic change. An introduction to how and why sociologists study social and cultural phenomena such as inequality, race and ethnicity, gender, power, politics, the family, religion, social and cultural change, crime, and globalization. *Four credit hours.* S, D, U. FACULTY

**[134] Global Sociology** Sociologists study processes by which people create, maintain, and change their social and cultural worlds. An examination of these social processes from a global perspective. The world is becoming a single global society, in which our lives are increasingly connected with the lives of other people all over the globe. An introduction to the variety of methods used by sociologists to investigate this emerging global social system, and to understand how it is changing the ways we experience and think about social life. Social phenomena such as identity, the family, gender, race and ethnicity, power and inequality, politics and social movements, and the relationship between society and the environment will be covered. *Four credit hours.* S, D, I.

**[135] Politics, Ideology, and Inequality** An examination of the distribution of resources (e.g., wealth, power, health, food, safety) within and between social groups including, but not limited to, ethnic groups, genders, regions, and social classes. The origins, course, and consequences of social inequality with particular attention to the ways in which politics and ideology create and legitimize various sorts of inequality and the difference between equality of opportunity and equality of result. *Four credit hours.* S, D.

**[136] Sociology and Work** An exploration of society, social behavior, and principles of sociology through the study of work, occupations, and professions. Building on the sociological tradition that highlights "the division of labor in society," the course addresses culture, socialization, roles, statuses, social inequality, gender, class, race-ethnicity, deviance, social control, education, family, urban life, and social conflict by exploring the ways work orders everyday life, the individual's relation to society, and social institutions. Special attention is paid to the meaning and importance of work in the context of capitalism and U.S. society. *Four credit hours.* S, D, U.

**[214] African-American Elites and Middle Classes** Utilizing classical and contemporary sociological theories of stratification and race relations, the course explores the intersection of class and race-ethnicity in the social origins and historical roles of elites and middle classes in the African-American experience. Particular attention to the writings of Du Bois, Frazier, Cox, and Wilson. Biographical and autobiographical perspectives

provide rich description of socialization, family contexts, work, politics, ideologies, and the impacts of racism and social change. *Three credit hours.* S, D, U.

**215s Classical Sociological Theory** The history of sociology, and a critical survey of the systems of thought about society, centered on major schools of sociological theory and their representatives. The place of theory in social research as presented in works of major social theorists, including Comte, Spencer, Durkheim, Weber, Marx, Pareto, Simmel, and Mead. *Prerequisite:* A 100-level sociology course. *Four credit hours.* MORRIONE

**[231] Contemporary Social Problems** Analysis of selected controversial issues and public problems in the contemporary United States. General theoretical frameworks in the sociology of social problems used to analyze issues from one or more perspectives; areas include alienation, economic and political freedom, the politics of morality, poverty, women's roles, and social inequality. *Four credit hours.* S, D, U.

**233f Crime and Justice in American Society** An exploration of crime and the criminal justice system in American society. Topics include the definition of crime, police practices, sentencing practices, penal policy, and crime prevention. In addition, discussions of specific crimes, including drug crimes, domestic abuse, and white-collar crime. Each issue is tied to sociological discussions of the social, economic, and political contexts of crime and criminal justice policies. *Prerequisite:* Sociology 131 or 134 or 136. *Four credit hours.* CAMPBELL

**235s Sociology of Religion** A survey and overview of religion as a social phenomenon and an object of sociological analysis. Topics include theoretical perspectives, research strategies, the problem of meaning and moral order, and religion as a group phenomenon involving social conflict, social organization, social class, race-ethnicity, gender relations, politics, popular culture, and public problems such as pluralism, innovation, secularization, and religious economy. *Prerequisite:* A 100-level sociology course. *Four credit hours.* U. GILKES

**[251] Population Problems in International Perspective** An introduction to the sociological study of processes of population growth and change, examining the social causes of fertility, mortality, and migration, and their impacts on population growth and the age-sex structure of populations. The history of world population growth and its relationship to economic growth, the food supply, and the environment. The debates over whether there is a "population problem" and over what types of population policies should be adopted. *Prerequisite:* One of the following: a 100-level sociology course, Anthropology 112, Environmental Studies 118, or Government 131. *Three credit hours.* D, I.

**252f Race, Ethnicity, and Society** An examination of the roles of race and ethnicity in organizing complex stratified societies, in structuring systems of durable inequalities, and in organizing and shaping communities and enclaves within stratified societies. Utilizing multiple sociological perspectives on race, ethnicity, minority groups, prejudice, discrimination, and institutional racism, special attention is paid to the United States with reference to immigration, slavery, conquest, annexation, colonialism, internal migration, social conflict, social movements, labor, citizenship, transnational adaptation, law, and public policy. *Prerequisite:* A 100-level sociology course. *Four credit hours.* D, U. GILKES

**[253] Sports and Society** Classical and contemporary sociological theory applied to a study of sports, one of the largest and most under-analyzed institutions in our society. In addition to being a major industry, youth sports are also one of the spheres through which our youth are socialized into societal norms and values. Professional sports are often beholden to mega-corporate interests and are utilized as a vehicle for reinforcing American values and creating a vast consumer society. A sociological analysis of the influence this

institution exerts on society, with particular attention to lessons regarding race, class, gender, violence, sexuality, consumerism, age, power relations, and globalization. *Prerequisite:* A 100-level sociology course. *Four credit hours.* S, U.

**255s Urban Sociology** An examination of urban social and cultural life in a historical and cross-cultural comparative perspective, with special emphasis on the United States. Explored are social, psychological, political, ethnic, and economic issues pertaining to urbanization and to urban social problems as well as to such topics as urban architecture, urban planning, urban renewal, and neighborhood life in national and global contexts. Students participate in a community-based service-learning project as part of the course requirement. *Four credit hours.* MORRIONE

**259f Fighting the Power: Social Movements in America** The emergence, development, and consequences of movements for social, political, and cultural change. Case studies of social movements such as the women's, labor, environmental, anti-technology, temperance, religious, and conservative movements will be integrated with an examination of the dominant theoretical perspectives, including collective behavior, resource mobilization, frame alignment, and political process. *Prerequisite:* A 100-level sociology course or American Studies 271. *Four credit hours.* CAMPBELL

**271s Introduction to Sociological Research Methods** First half: a discussion of basic research concepts, including measurement, operationalization, and the role of values in scientific research. Second half: quantitative methods, including cross-tabulation and linear and logistic regression, with emphasis on data analysis rather than statistical formula. *Prerequisite:* A 100-level sociology course. *Four credit hours.* Q. CAMPBELL

**272f Qualitative Research Methods and Methodology** The theory, methodology, and methods of qualitative research. Using readings, discussions, and various research activities, students examine the interrelationships of methodological theory and its development, data collection, analysis, and report writing. *Prerequisite:* A 100-level sociology course and sociology major. *Four credit hours.* ARENDELL

**[273] Sociology of Families** Central issues in the sociological study of the American family in both historical and contemporary contexts. Two broad facets of sociological study of the family are emphasized: the family as a major social institution in relationship to other major social institutions, particularly the industrial/post-industrial capitalist economy and the liberal democratic polity, and the family as a primary social group and a unit of intense interpersonal relationships structured along gender and generational lines. *Prerequisite:* A 100-level sociology course. *Four credit hours.*

**274s Social Inequality and Power** A sociological analysis of the structure of inequality in the United States. The course surveys the major sociological theories of social class and inequality and applies them to analyze the American power structure, the nature and extent of inequality across the country, and the reasons for the persistence of racial inequality and gender inequality in contemporary society. *Prerequisite:* A 100-level sociology course. *Four credit hours.* D, U. CAMPBELL

**275j Mothers and Daughters: Special Topics in Contemporary Family Relations** An exploration of the mother-daughter relationship as depicted in myth, fairy tales, memoir, fiction, and poetry as well as sociological case studies and ethnographies. Consideration of racial/ethnic variations, drawing on literature and social science materials representing the experiences and insights of Euro-American, African-American, Asian-American, Latina, Native American, and recent immigrant women. Also considered are alternative family arrangements, such as single parent mother and lesbian mother ones, and stresses on contemporary families, families with dependent children as well as those consisting of adult relationships. *Three credit hours.* S, D, U. ARENDELL



**276f Sociology of Gender** The behaviors expected of people because of their sex and differences in the status of men and women in society are examined using a sociohistorical perspective. Theories accounting for gender differences are analyzed, and the consequences of gender inequality in contemporary society are explored. An introductory survey of the sociological study of gender, using feminist and social constructionist theoretical approaches, investigating the construction and maintenance of gendered identities and a stratified society, focusing primarily on contemporary America. Among the topics examined are cultural definitions and expectations; childhood socialization; intimacies and sexualities; gendered activities and gender inequalities in marriage and family; activities and inequities in work and the economy; power and politics; and social reforms and possibilities. Variations by race and socioeconomic class are considered throughout. *Four credit hours.* S, D, U. KIM

**[277] Social Psychology** An analysis of major social psychological views of human behavior, with special emphasis on the works of George Herbert Mead and Herbert Blumer. Human group life, social behavior, self, situations, and society examined from a variety of perspectives. *Prerequisite:* A 100-level sociology course. *Four credit hours.*

**[292] Social Change** Television, rumor, fear, the madness of crowds, war, riots, the civil rights and women's rights social movements, congressional legislation, famine, industrialization, computer technology, religion, and government are agents of and products of social changes. A sociological look at phenomena such as these provides an introduction to the study of social change. A review of classical sociological approaches to the study of social change, as well as historical, social psychological, psychological, and ecological elements. Students are encouraged to analyze contemporary changes in American culture. *Prerequisite:* A 100-level sociology course. *Four credit hours.* U.

**318f Contemporary Sociological Theory** An exploration and analysis of the contemporary state of sociology as a discipline. Special attention is given to critical theory, rational choice theory, global systems theory, phenomenology, ethnomethodology, symbolic interactionism, and postmodernists' criticism of modern social science. *Prerequisite:* Sociology 215. *Four credit hours.* MORRIONE

**[333] Globalization, Political Economy, and Social Change** Globalization is a word widely used in the media and in academic discourses but used in many different ways and applied to a broad range of social phenomena. A systematic exploration of some major aspects of the process of globalization and the ways in which they are interrelated: the changing organization of the world economy, the rise of global culture industry, problems of population growth and environmental degradation, and the spread of ethnic conflicts. The various types of resistance movements that have arisen in response to increasing globalization and some of the debates over how to solve the problems it has created. *Prerequisite:* One of the following: a 100-level sociology course, Anthropology 112, Environmental Studies 118, or Government 131. *Four credit hours.* D, I.

**[336] The Sociology of Food** If, as the saying goes, "you are what you eat," then what are you? Do you know where your food comes from, who grows it, and how it is traded and transported to you? This course answers those questions, and more. Students explore the social meanings and the social relations surrounding the preparation and consumption of food as well as the social relations of food production. Also the organization of a global food system that links the production and consumption of food and how it generates abundance in some places and hunger and famine in others. *Prerequisite:* One of the following: a 100-level sociology course, Anthropology 112, Environmental Studies 118, or Government 131. *Four credit hours.* D, I.



**337s Childhood in Society** A seminar exploring the social, historical, and cultural constructions of childhoods and children, with a specific focus on the American and Western European contexts, using a sociological perspective, especially the social constructionist paradigm, to explore the relationships between the social order and constructions of childhood, children and their environment, and age categories and social relations. Social policy relevant to childhoods and children. The history and development of child welfare in the United States, and selective contemporary social issues and needs, among them economic provision, education, health care, child care, and health care. *Four credit hours.* ARENDELL

**[338] Genocide and Political Violence** An exploration of the perplexing and disturbing reality of widespread genocide and political violence throughout the world, particularly during the 20th century. Causes, what constitutes genocide, how genocide and political violence are rationalized and allowed to continue, issues of prejudice, discrimination, and racism, responses by the world community, issues of morality and immorality, and what can be done to prevent/reduce genocide and political violence. Case studies covered may include the Holocaust, Armenia, Rwanda, Burma, El Salvador, Guatemala, East Timor, Chiapas, Tibet, Congo. *Prerequisite:* A 100-level sociology course. *Four credit hours.* **D, I.**

**352s American Critics of American Society** Sociological criticisms of post-war America. What do American critics think is wrong with America and how do they propose to fix it? Topics may include the role of the power elite in American society, the consequences of increased media concentration, the decline of civil society consumerism, electoral politics, taxes, welfare policy, the environment, racism, sexism, crime, poverty, sex, drugs, and rock 'n' roll. *Prerequisite:* A 100-level sociology course or American Studies 271. *Four credit hours.* CAMPBELL

**[355] African-American Women and Social Change** Sociological analysis and historical overview of African-American women and their families, work lives, and community (especially religious and political) experience. A focus on the contradictions between lived experience and cultural expectations surrounding gender and on the distinctive experiences of African-American women as a force for social change. *Prerequisite:* An introductory social science course or American Studies 276. *Four credit hours.* **D, U.**

**[356] Health and Illness** A basic introduction to the sociological study of health and medicine. An overview of sociological work on health, death, disease, illness, sickness and health care. Topics will include health problems that medical care systems are designed to meet, the social psychology of sickness, occupations that have been devised to deal with those problems, settings designed to facilitate meeting health needs, health care systems in the United States, Sweden, and other countries, and medical care reform in the U.S. and other countries. *Prerequisite:* A 100-level sociology course. *Four credit hours.* **S, U.**

**357f Civil Rights, Black Power, and Social Change** A seminar examining the impact of the civil rights and black power movements on sociological concepts, theories, and perspectives on race relations, racial stratification, social change, and ethnicity. The PBS series *Eyes on the Prize I and II* are used to introduce readings and discussions of sociological and ideological texts influenced or produced by activists and activities of the civil rights or black power movements. The connections among civil rights and black power movements and other social movements in the United States and other societies. *Prerequisite:* An introductory anthropology, sociology, history, or American studies course. *Four credit hours.* **S, D, U.** GILKES

**[358] The Sociology of W.E.B. Du Bois** An intensive survey of the life and work of William Edward Burghardt Du Bois, prolific scholar, activist, and founder of one of the oldest sociology departments and research centers in the United States. Sociology was Du Bois's

chosen discipline at the same time that he contributed to history, literature, and cultural studies and formed an important foundation for African-American studies. This exploration of Du Bois's sociological imagination includes an overview of his life and work and an assessment of the continuing importance of his work for understanding racial-ethnic relations and conflict in the United States and the world. Readings will include *The Souls of Black Folk*, *The Philadelphia Negro*, selected topics from the Atlanta University studies, *The Gift of Black Folk*, appropriate biographical/autobiographical texts, and critical studies. *Prerequisite:* A 100-level sociology course or American Studies 276. *Four credit hours.* S, D, U.

**[377] Sociology of Sexualities** An exploration of the social aspects of human sexuality and various sexual identities, orientations, or preferences. The social constructionist perspective and feminist approaches frame the course. Topics include human sexual desire, attraction, and gender; the interrelationship between gender and sexuality; sexual behaviors and practices; heterosexuality, lesbianism, gay male sexuality, bisexuality, transsexuality, and transgenderism; intimate relationships; sex and marriage; the politics of sexuality; heterosexism and homophobia; and cultural images of sexuality and sexual behaviors. The overlapping influences of class, race, and ethnicity, and religious beliefs and traditions will be considered throughout the course. Formerly offered as Sociology 278. *Prerequisite:* One of the following: a 100-level sociology course; Women's, Gender, and Sexuality Studies 221, 275, or 276. *Four credit hours.* S, D, U.

**[378] Welfare Policy in Sociological Perspective** An examination of the origins and growth of the welfare state in comparative and historical perspective although primary emphasis is placed on the United States. Topics include the definition of welfare, the social and political functions of welfare provision, corporate welfare, the relationship of welfare programs to the labor movement and other social movements, and the current crisis in welfare programs in advanced industrial countries. The success and/or failure of specific welfare programs and the extent of fraud in the welfare system. *Prerequisite:* A 100-level sociology course. *Four credit hours.* D, U.

**397f Global Communities in the U.S. Context: Causes and Consequences of (Im)migration** The social, political, legal, and economic histories of immigration to the United States. The consequences of immigration, such as assimilation and outsider/foreigner racialization; the development of ethnic economies and of anti-immigrant legislation. *Four credit hours.* KIM

**483f, 484s Honors Project** *Prerequisite:* Senior standing, admission to the honors program, and permission of the supervising faculty member. *Two to four credit hours.* FACULTY

**491f, 492s Independent Study** Individual topics in areas where the student has demonstrated the interest and competence necessary for independent work. *Prerequisite:* Junior or senior standing and permission of the department. *Two to four credit hours.* FACULTY

**493f Social Policy and the Social Welfare State** A sociological survey of programs and policies integral to the social welfare state and an investigation of the relationship of social welfare policy to society and social group life. Theories of policy and the social welfare state are examined. A critical assessment of the history, trends, and current problems and prospects in the major social welfare programs and policies, encompassing the primary four areas of social welfare expenditure in the United States: health, income maintenance, education, and welfare services. *Prerequisite:* Senior standing, Sociology 215, 271, 272, and 318. *Four credit hours.* ARENDELL

# Spanish

*Chair*, PROFESSOR JORGE OLIVARES

*Professors Priscilla Doel and Olivares; Associate Professors Luis Millones, Yvonne Sanavitis, and Betty Sasaki; Assistant Professors Marisela Funes and Barbara Nelson; Visiting Assistant Professor Meriwynn Grothe Mansori; Instructor Maria Colbert; Language Assistant Maria Teresa Tello Sanchez*

The Department of Spanish offers Spanish language and Spanish and Spanish-American literature courses in all periods, genres, and major authors as well as seminars in particular topics. The major in Spanish builds upon close reading and detailed analysis of literary texts, taking into account ideological, cultural, and aesthetic issues. Students have the opportunity to participate in Colby's language semester program in Salamanca, Spain, and to spend their junior year abroad at Colby's program in Salamanca or at approved programs in other countries. Like most liberal arts majors, the study of foreign languages should be considered as a background leading to a wide variety of careers. Some students go on to pursue advanced degrees in Spanish. When languages are combined with course work in areas such as anthropology, history, government, economics, sociology, or the natural sciences, career possibilities in law, medicine, business, and government are enhanced.

*Achievement Test:* If a student offers a foreign language for entrance credit and wishes to continue it in college, that student must either have taken the College Board SAT-II test in the language or take the placement test during orientation.

## Requirements for the Major in Spanish

Spanish 135 and 231 and at least six additional literature courses numbered above 135, including two courses at the 200 level or above on literature written before 1800 and two on literature written after 1800 (of these four courses, two must be in Spanish literature and two in Spanish-American literature). Spanish 271 and Spanish 334 fulfill the post-1800 Spanish-American literature requirement only. Senior majors must enroll in 300- or 400-level classes. If taken during the senior year, Spanish 231 does not replace a literature course. Majors are strongly advised to spend one academic year studying abroad at the junior level. A minimum of one semester's study abroad at the junior level is required of majors. Majors must matriculate in a study abroad program that offers university-level courses (not in a language acquisition program); all course work abroad must be conducted in Spanish. A minimum grade point average of 2.70 is required for permission to study abroad. Students who do not meet this minimum requirement will not be able to retain their Spanish major. All study abroad plans for students majoring in Spanish must be approved in advance by the chair of the Department of Spanish. Eligibility prerequisites for Spanish majors to study abroad include the completion of Spanish 135 and Spanish 231 with a grade of C or better.

The following statements also apply:

- (1) The point scale for retention of the major is based on all Spanish courses numbered above 131.
- (2) No major requirements may be taken satisfactory/unsatisfactory.
- (3) Students must receive a grade of C or better for the course to count toward the major.
- (4) All majors must take and pass with a grade of C or better at least one course in Spanish approved by the major advisor each semester until graduation.
- (5) No more than the equivalent of two semester courses of foreign study credit may be counted toward the major per semester abroad, or four semester courses per year abroad.
- (6) No more than the equivalent of four semester courses of foreign study or transfer credit may be counted toward the major.

## Honors in Spanish

Students majoring in Spanish with a 3.5 major average or better at the end of their sixth semester may apply for admission to the honors program by the Friday after fall break of their senior year. Permission is required; guidelines are established by the department. Successful completion of the work of the honors thesis and of the major will enable the student to graduate "With Honors in Spanish."

## Course Offerings

**125f Elementary Spanish I** An introductory course in Spanish that emphasizes an interactive approach to the study of grammar in order to acquire communicative skills and cultural awareness. *Four credit hours.* NELSON, OLIVARES

**126fs Elementary Spanish II** An introductory course in Spanish that emphasizes an interactive approach to the study of grammar in order to acquire communicative skills and cultural awareness. *Prerequisite:* Spanish 125. *Four credit hours.* FACULTY

**127fs Intermediate Spanish I** A grammar review at the intermediate level with continued emphasis on interactive communication and cultural awareness. *Prerequisite:* Spanish 126. *Four credit hours.* FUNES, SANAVITIS, SASAKI

**127j Intermediate Spanish I** A grammar review at the intermediate level with continued emphasis on interactive communication and cultural awareness to be offered at the Andean Center for Latin American Studies in Quito, Ecuador. Approximate cost \$2,000. *Prerequisite:* Spanish 126 with a grade of B or better and permission of the instructor. *Three credit hours.* OLIVARES

**128fs Intermediate Spanish II** Continued development of the skills acquired in Spanish 125-127 with particular emphasis on reading and discussion. *Prerequisite:* Spanish 127. *Four credit hours.* MILLONES, SASAKI

**131fs Conversation and Composition** Language review with emphasis on oral expression, written composition, and vocabulary development. *Prerequisite:* Spanish 128. *Four credit hours.* DOEL, MILLONES

**135fs Introduction to Hispanic Literature** Introduction to literary analysis through Spanish and Spanish-American texts. *Prerequisite:* Spanish 131. *Four credit hours.* L. FUNES

**231fs Advanced Spanish** A review of Spanish grammar at the advanced level. *Prerequisite:* Spanish 131. *Four credit hours.* OLIVARES

**[233] Contemporary Spanish Culture** Beginning with the Second Republic (1931-36), an examination of historical, political, and sociological factors that have shaped the culture and society of contemporary Spain. The forces that have shaped Spain's transformation since the death of Francisco Franco in 1975. Emergent issues that are changing the shape of Spanish society, including the redefinition of traditional gender and family roles and the impact of and reaction to immigration. *Prerequisite:* Spanish 135. *Four credit hours.*

**271s Questions of Identity, Spaces, and Power** An exploration through selected readings of the rich and complex multicultural heritage of the Iberoamerican world, focusing on the broad questions of identity, spaces, and power. Analysis of relationships between Arab and Christian worlds, church and state, conquering and conquered peoples, dictatorships and revolutions/civil wars, men and women. Readings from novels, short stories, drama, and poetry to study the richness of both structures and themes. *Prerequisite:* Spanish 135. *Four credit hours.* L, I. DOEL

**[273] Contemporary Spanish-American Short Story** A study of the contemporary Spanish-American short story through close readings of representative texts by authors such as Reinaldo Arenas, Jorge Luis Borges, Julio Cortázar, José Donoso, Rosario Ferré, Gabriel García Márquez, Juan Rulfo, and Ana Lydia Vega. *Prerequisite:* Spanish 135. *Four credit hours.* L.



**276f U.S. Latina/Chicana Women Writers** An examination of a selection of novels, short stories, poetry, theater, and nonfiction by United States Latina and Chicana women writers. Interdisciplinary in approach, the course will focus on the relationship between the texts read and several important contemporary issues. Topics include feminism, the social and cultural construction of race and ethnicity, immigration, cultural nationalism, and identity formation. Readings and class are in English. *Prerequisite:* Spanish 135. *Four credit hours.* **L, D, U.** SASAKI

**297f Introduction to Spanish Cinema** An introduction to major trends in Spanish cinema from 1950 to the present through a study of political, social, and economic conditions represented through film. How several generations of directors portray numerous versions and visions of Spain, with attention to cinematic trends and techniques as well as to questions of identity, gender, power, nationalism, terrorism, and immigration. Directors include Buñuel, Saura, Erice, Almodóvar, Armendáriz, Medem, and Bollaín. *Prerequisite:* Spanish 135. *Four credit hours.* COLBERT

**298s Imagining Latin America: Novels and Their Films** An examination of novels by key Latin American writers and their film adaptations. Authors to be considered include José Donoso, Carlos Fuentes, Gabriel García Márquez, Clarice Lispector, Antonio Skármeta, and Mario Vargas Llosa. *Prerequisite:* Spanish 135. *Four credit hours.* **L.** MILLONES

**[334] Women in Hispanic Texts** Works by both male and female Hispanic authors are included in a study of the portrayal of women in Hispanic poetry and fiction. Selections from the Middle Ages through modern times reflect both traditional and nontraditional portrayals of women in what has been a particularly male-oriented culture. *Prerequisite:* A literature course numbered above 135. *Four credit hours.* **L, D.**

**351s Ideology and Ethics in Spanish Golden Age Literature** An examination of specific literary works as responses to Spain's changing political climate during the 16th and 17th centuries. How the literary work reinforces or questions, creates or undermines, an official discourse that, in both Reformation and Counter-Reformation Spain, seeks to define national identity in ethical and ideological terms. *Prerequisite:* A literature course numbered above 135. *Four credit hours.* **L.** SASAKI

**352f Don Quijote** Analysis of Miguel de Cervantes's masterpiece. A reading of the *Quijote* in English is recommended before taking the course. *Prerequisite:* A literature course numbered above 135. *Four credit hours.* **L.** DOEL

**[371] The Colonial Experience: European and Amerindian Responses to the Cultural Encounter** An exploration of texts and iconography produced to report, understand, legislate, and record the various dimensions of the cultural encounter during the 16th and 17th centuries. The course emphasizes the efforts by both Europeans and Amerindians to control the memory of events and to position themselves in colonial society. Requires close reading of representative primary documents from all parts of the colonial Spanish World. *Prerequisite:* A literature course numbered above 135. *Four credit hours.* **L.**

**398s Detectives and Spies: Forms of Popular Culture in Spanish-American Fiction** A consideration of how the classical detective story has permeated the realm of "high" or "respectable" art, and, in particular, how writers such as Bioy Casares, Borges, García Márquez, Leñero, Padura Fuentes, Puig, Sábato, Valenzuela, and Vargas Llosa have simultaneously appropriated and subverted the genre. While focused on the function of parody and intertextual relations, and on the distinction between the mimetic and the reflexive modes, the course will provide a framework to address questions of ideology, community, gender, sex, and sexuality. *Prerequisite:* A literature course numbered above 135. *Four credit hours.* **L.** OLIVARES

**483fj, 484s Senior Honors Thesis** The senior honors thesis will be undertaken in addition to all required courses for the major; it does not replace any part of the major. The thesis, which will be written in Spanish, is to be a substantial study of a carefully defined literary topic supported by critical sources. *Prerequisite:* A 3.50 or higher major average at the end of the junior year and permission of the department. *Three credit hours.* FACULTY

**491f, 492s Independent Study** Individual projects in areas where the student has demonstrated the interest and competence necessary for independent work. *Prerequisite:* Permission of the instructor. *Two to four credit hours.* FACULTY

**493Af Natural Histories of Colonial Americas** An interdisciplinary approach to natural history from all European colonies. Texts and illustrations will be studied in order to develop an understanding of natural histories as both a literary genre and an example of early modern "science." Students are expected to work with primary material from the 16th to the 18th century. *Prerequisite:* Senior standing and a literature course numbered above 135. *Four credit hours.* L. MILLONES

**493Bs Imagining Nations** A study of the history of nationalisms in Spain and the construction of identities through literature, art, film, and other forms of popular culture, tracing nationalist movements from the 19th century to the present. Special attention to issues of language, education, self-determination, self-definition, and terrorism. Taking into account the context and goals of the European Union, a critical look at the formation of the Basque, Catalán, Galician, and Spanish nations. *Prerequisite:* Senior standing and a literature course numbered above 135. *Four credit hours.* L. COLBERT

## Theater and Dance

*Chair,* PROFESSOR JOYLYNN WING

*Professor Wing; Adjunct Professor Tina Wentzel; Adjunct Associate Professor James Thurston; Assistant Professor Laura Chakravarty Box; Technical Director John Ervin; Irving D. Suss Visiting Guest Artist in Residence Richard Sewell*

The primary mission of the Department of Theater and Dance is to promote the historical, theoretical, and experiential study of these performing arts as vital and important areas of inquiry for liberal arts students. The department is founded on two premises: first, that performance is essential to a full understanding of the art form; second, that all the arts share significant modes of thought and expression and that a knowledge of one art form will contribute to an understanding of all the arts. In addition to traditional lecture and discussion courses, the program of study includes frequent opportunities for practical experience in the theater. The department also seeks to educate the larger community through its rigorous production schedule of plays, dance concerts, touring artists, and residency workshops with guest artists.

Consistent with the College's mission, the major in theater and dance is a liberal arts, not a pre-professional, major. It is, however, a major that will adequately prepare particularly interested and talented students for graduate study and further involvement with performing groups. It is a structured major, ensuring that all students have experience and training in acting, directing, movement, design, and technical production in addition to the historical and theoretical study of theater and dance.

### Requirements for the Major in Theater and Dance

A 12-course major comprising the following courses:

*I.* Theater and Dance 113, The Dramatic Experience.

*II.* Performance: any one section of Theater and Dance 264, and one course from each of the following four areas: acting, dance, directing/choreography, design.

*III.* Theater and Dance History: three courses: Theater and Dance 224, 226, and either 228 or Text and Performance II, offered in the CBB Program in London.

*IV. Advanced Topics in Theater and Dance:* two courses from the following: Theater and Dance 326, 335, 349, 361.

*V. Theater and Dance 494, Senior Thesis.*

*VI. Significant participation in four faculty-directed productions in four separate semesters:* one must be in performance, one must be in design/technical production, and one must be in stage management. Theater and Dance 264, Drama and Dance in Performance, counts as one of these experiences.

### **Requirements for the Minor in Theater and Dance**

A seven-course minor comprising the following courses:

*I. Theater and Dance 113, The Dramatic Experience.*

*II. Performance:* one course in each of the following two areas: acting/dance, design.

*III. Theater and Dance History:* two courses: either Text and Performance I or II, offered in the CBB Program in London (not available after the 2004-2005 academic year), or any of the following: Theater and Dance 224, 226, 228.

*IV. Advanced Topics in Theater and Dance:* one course from the following: Theater and Dance 326, 335, 349, 361.

*V. Theater and Dance 264, Drama and Dance in Performance.*

*VI. Significant participation in two faculty-directed productions in two separate semesters.* Theater and Dance 264, Drama and Dance in Performance, counts as one of these experiences.

Only three- and four-credit theater and dance courses may count toward the major or minor. The point scale for retention of the major applies to all courses offered toward the major. No requirement for the major or minor may be taken satisfactory/unsatisfactory.

## **Course Offerings**

**113fs The Dramatic Experience** Immerse yourself in the dramatic experience through observation, participation, and analysis. In addition to a foundation of dramatic studies, students will examine departmental productions as well as two or three professional performances off campus. Labs provide either weekly exposure to scenic and lighting methodologies or a condensed two-week opportunity in lighting or sound operations. (Two-week lighting/sound lab requires permission of the instructor.) *Four credit hours.* **A. ERVIN**

**135fs Introduction to Design** An introduction to the principles of visual design and their role in the dramatic event. Particular emphasis is placed on bringing the imagined world of the playwright to life through the use of space, light, and clothing. Historical and contemporary texts are explored through lectures, discussions, and projects. No prior experience is required. Enrollment limited. *Four credit hours.* **A. THURSTON**

**155s Foundations of Dance** Concentration on the basic principles of dance movement: body alignment, coordination, strength and flexibility, forms of locomotion. *Three credit hours.* **A. WENTZEL**

**171f Acting I: Improvisation** An overview of the foundational techniques of stage performance, with a focus on invention and structured improvisational problems. Through the use of theater games and movement improvisation, performance skills will be approached from two perspectives: concentration and action. The process allows students to break through thinking and movement patterns that have limited them in the past by responding to each other's imagination, energy, and style. Enrollment limited. *Four credit hours.* **A. WENTZEL, WING**

**[224] Performance History I: Religious/Ritual Theater and Performance** History of religious/ritual theater and its literature from the ancients to the present. Theater architecture, representative works of dramatic literature, staging practices, and theoretical



treatises on performance from around the globe are considered in relation to human systems of belief. *Prerequisite:* Theater and Dance 113. *Four credit hours.* L.

**226f Performance History II: Popular Secular Theater and Performance** Survey of popular theater and its literature from the ancients to the present. Theater architecture, representative works of dramatic literature, staging practices, and theoretical treatises on performance from around the globe are considered in relation to the history of popular culture. *Prerequisite:* Theater and Dance 113. *Four credit hours.* L. BOX

**228s Performance History III: Elite, Intellectual, and Political Theater and Performance** Survey of elite, intellectual, and political theater and its literature from the ancients to the present. Theater architecture, representative works of dramatic literature, staging practices, and theoretical treatises on performance from around the globe are considered in relation to the history of power, thought, and politics. *Prerequisite:* Theater and Dance 113. *Four credit hours.* L. BOX

**235f Intermediate Design** Visual design for the stage and its essential connection to text and action are explored through creative research, individual projects, and work on Theater and Dance productions. Emphasis is placed on the necessary balance between theory and practice and centers on an integrated visual design philosophy including scenery, costumes, and lights. *Prerequisite:* Theater and Dance 135. *Four credit hours.* A. THURSTON

**255s Advanced Dance: Moving Through Human Anatomy** An overview of the major systems of the body (skeletal, fluids, nervous, etc.) to show how the systems support and move the body in and through space. Personal awareness of these systems fosters understanding of their interrelationships in self and others and helps to refine personal, technical clarity with regard to movement expressivity in performance. Course content will change each semester and may be repeated for credit. *Prerequisite:* Theater and Dance 155. *Three credit hours.* A. WENTZEL

**264Af Drama and Dance: *The Tempest*** *The Tempest*, Shakespeare's last solo-authored work, is both a romance and a meditation on the uses and abuses of power. Set in a magical world of phantoms and spirits where nothing is quite what it seems, *The Tempest* is a feast for the senses. *Prerequisite:* Auditions to be held at the beginning of the fall semester. *Four credit hours.* A. BOX

**264Bfj Drama and Dance: Children's Theater** The adaptation of a classic children's book into a theater format. Fall: a weekly seminar and rehearsals researching, exploring, and experimenting with how the performer translates prose/poetry into a dramatic form for the stage. January: Approximately 22 performances for children of central Maine of a fully mounted production of the children's classic tale created during the fall. *Prerequisite:* Auditions to be held the first week of fall classes. Theater and Dance 264Bf prerequisite to 264Bj. *Three or four credit hours.* A. WENTZEL

**264Cj Drama and Dance: *In Divisiblunder*** *In Divisiblunder*, the premiere of a play by the director, Richard Sewell. This play, contemporary in setting, examines extremisms and commitments, patriotic, religious, and academic. Some may find both themes and language objectionable. Afternoon and evening rehearsals. Performs January 21, 22, and 23, 2005. *Prerequisite:* Auditions held in November. *Three credit hours.* A. SEWELL

**264Ds Drama and Dance: *Marisol*** Written in the style of Magic Realism, Jose Rivera's play is set in a post-apocalyptic New York City, where a young woman comes to terms with her guardian angel's war with a senile God. *Prerequisite:* Auditions held at the beginning of spring semester. *Four credit hours.* A. WING



**271s Acting II: Scene Study** A studio course centering on the actor's process, with identification as the organizing principle. Includes presentation of assigned object-exercises and two-character scenes taken mostly from contemporary plays. Requires time outside of class for preparation and rehearsal. Enrollment limited to 16 actors, with three alternates. Attendance at first class is mandatory. *Prerequisite:* Theater and Dance 171. *Four credit hours.* WING

**326f Taking Shakespeare's Word for It** What our language was in the Elizabethan era and after: selected passages from Shakespeare and other poets. Three hundred words and idioms, once common speech, that have changed sense or dropped from use. These, with eight speech patterns and a few assumptions about life and speech, offer a grasp and enjoyment not just of Shakespeare but of much of the literature of our past. Some discussion of general evolution of European languages. A course for performers, English majors, and any interested in verbal communication. Memorization is involved, as if in a foreign language. *Prerequisite:* Theater and Dance 113. *Four credit hours.* SEWELL

**[335] Topics in Design: Designing with Light** Advanced studies in design and technical production with emphasis on the theoretical and historical role of design in theater and dance. Topics vary from semester to semester and focus on the historical context of design, design theory, production design, technical theater, and theater architecture. *Prerequisite:* Theater and Design 135. *Four credit hours.*

**349Af Topics in Dramatic Literature: In the Absurd and Beyond** Both the tradition and the eventual offshoots of the "Theater of the Absurd" style that flowered in France in the 1950s. Careful analysis of the dramatic techniques of Beckett, Ionesco, and Genet will be followed by an examination of those techniques in the work of representative British and American playwrights. *Prerequisite:* Theater and Dance 113. *Four credit hours.* WING

**349Bf Topics in Dramatic Literature: Play Writing** The focus of the course will be on developing 10-minute plays, although consistently produced work on a longer piece will be acceptable. All works read and critiqued in class. Grading is on participation in critiquing (occasionally in writing) and on scenes written throughout the semester. Writer's block is not an option. Enrollment limited. *Four credit hours.* SEWELL

**349Cs Contemporary American Playwrights** Topics in dramatic literature. Careful consideration of the range of perspectives currently available in the American theater, beginning with the experimental theater groups and texts of the 1960s. Close analysis of the theatrical as well as the dramatic techniques of playwrights such as Suzan-Lori Parks, David Henry Hwang, Sam Shepard, Ntozake Shange, and Tony Kushner. *Four credit hours.* WING

**349Ds Topics in Dramatic Literature: Ethics and Aesthetics** An examination of ethical questions as they have been addressed in dramatic literature and its performance. Topics include ethics and the performing body, intellectual property and pastiche, gender ethics, arts and the government, and the question of cultural appropriation. *Four credit hours.* BOX

**349Jj Topics in Dramatic Literature: Modern Irish Drama** Listed as English 397J (q.v.). *Three credit hours.* THORN

**[359] Choreography** Description and analysis of movement and its relation to basic elements of dance: time, space, weight, and flow. Improvisation and choreographic studies will be the vehicles for exploring the formal compositional fundamentals of dance and their application to group choreography. Final projects will be research-based and fully conceived dances to be presented in an informal concert format. *Prerequisite:* Theater and Dance 255 and permission of the instructor. *Three credit hours.*

**[361] Topics in Performance: Physical Theater Workshop** The performance vocabulary of physical theater using the human body and imagination to create performance. *Prerequisite:* Theater and Dance 271. *Four credit hours.*

**379f Directing** Theories and techniques of staging drama and strategies for organizing and facilitating the creative process commonly used in current theater. One-day workshop with a guest professional stage manager is mandatory. Students undertake artistic direction of the Slices of Life one-act festival. Requires time outside of class for preparation and rehearsal. *Prerequisite:* Theater and Dance 113. *Four credit hours.* BOX

**385j Screenwriting** Listed as English 385A (q.v.). *Three credit hours.* A. BOYLAN

**491f, 492s Independent Study** Individual projects in areas where the student has demonstrated the interest and competence necessary for independent work. *Prerequisite:* Permission of the instructor. *One to four credit hours.* FACULTY

**494f Senior Thesis** An intensive research-oriented experience. Students are expected to complete in-depth, independent research on a singular topic and present their conclusions to the department in a final thesis paper and public presentation. *Prerequisite:* Senior standing as a theater and dance major. *Four credit hours.* WING

## Women's, Gender, and Sexuality Studies

*Director,* TO BE NAMED

APPOINTMENTS IN WOMEN'S, GENDER, AND SEXUALITY STUDIES: *Associate Professor Lyn Mikel Brown, Assistant Professor Pamela Thoma*

PROGRAM FACULTY FOR WOMEN'S, GENDER, AND SEXUALITY STUDIES: *Jeffrey Anderson (Anthropology), Terry Arendell (Sociology), Debra Barbezat (Economics), Karen Barnhardt (Education), Kimberly Besio (East Asian Studies), Catherine Besteman (Anthropology), Laura Chakravarty Box (Theater and Dance), Betsy Brown (College Relations and Biology), Brown (Education and Women's, Gender, and Sexuality Studies), Cedric Gael Bryant (English), Cheshire Calhoun (Philosophy), Debra Campbell (Religious Studies), Suellen Diaconoff (French), Priscilla Doel (Spanish), Ben Fallaw (History and Latin American Studies), James Fleming (Science, Technology, and Society), Cheryl Townsend Gilkes (Sociology and African-American Studies), Linda Goldstein (College Relations and American Studies), Jill Gordon (Philosophy), Paul Josephson (History), Heidi Kim (Sociology), Karen Kusiak (Education), Elizabeth Leonard (History), Eva Linfield (Music), Virginia Long (Physics and Astronomy), Howard Lupovitch (History), Phyllis Mannocchi (English), Robert McArthur (Philosophy), Margaret McFadden (American Studies), Mary Beth Mills (Anthropology), Jane Moss (French), Elisa Narin van Court (English), David Nugent (Anthropology), Jorge Olivares (Spanish), Laurie Osborne (English), Adrianna Paliyenko (French), Tamae Prindle (East Asian Studies), Marilyn Pukkila (Library), Tarja Raag (Psychology), Anindyo Roy (English), Elizabeth Sagaser (English), Betty Sasaki (Spanish), Nikky Singh (Religious Studies), Maritza Straughn-Williams (Anthropology and African-American Studies), Katherine Stubbs (English), Mark Tappan (Education), Pamela Thoma (American Studies and Women's, Gender, and Sexuality Studies), Andrea Tilden (Biology), and Joylynn Wing (Theater and Dance)*

The Women's, Gender, and Sexuality Studies Program is a progressive interdisciplinary program designed to acquaint students with interdisciplinary feminist scholarship. WGSS offers students a course of study that examines the nature of and relationships among sexism, heterosexism, racism, classism, and nationalism. WGSS courses challenge traditional scholarship and generate new definitions of culture; they illuminate women's and men's daily lives and social history, language, literature, psychology, and biology. WGSS provides students with skills necessary to think more carefully about systems of domination and to appreciate the importance of promoting justice and equality both within the Colby community and in the world beyond the College. In addition to the core WGSS courses,

faculty across the College offer a wealth of courses in the humanities, social sciences, and natural sciences that are cross listed with WGSS. Interdisciplinary feminist study demands a broad range of course work that helps students explore diverse interests and draw important connections across and distinctions between disciplines and fields. A WGSS major graduates with a program of study that is often unique to the student's developing interests.

Students may pursue a major or a minor in WGSS. Descriptions for courses cross listed with WGSS are listed under the various departments.

### **Requirements for the Major in Women's, Gender, and Sexuality Studies**

Thirteen courses, including Women's Gender, and Sexuality Studies 111, 113, 221, or 275; 311; 493; and nine additional courses designated as WGSS courses or courses cross listed under WGSS, at least two of which must be at the 300 or 400 level. Majors are strongly encouraged to develop a primary emphasis by choosing three courses in one of the following areas of study: queer studies; women of color and transnational feminisms; and women, science, technology, and society. To give breadth to their studies, majors also are encouraged to take at least one course in a second area. More detailed descriptions and cross-listed courses within each of these three areas of emphasis can be found on the WGSS Web site ([www.colby.edu/wgss/](http://www.colby.edu/wgss/)) or may be requested from the director. Majors may create their own area of emphasis in consultation with the director. Because the connection between theory and practice is central to women's, gender, and sexuality studies, majors are *required* to undertake a field experience or internship related to WGSS. Majors also may petition the director to have a non-listed course counted toward the major by demonstrating that the majority of their own course work was on WGSS topics. Students may count toward fulfillment of the major requirements either one independent study (Women's Gender, and Sexuality Studies 491, 492) *or* two semesters of honors work (Women's Gender, and Sexuality Studies 483, 484) *or* Senior Scholars work up to the equivalent of two courses (if approved by WGSS).

The point scale for retention of the major applies to all courses taken toward fulfillment of the major. Courses counted toward the major may not be taken satisfactory/unsatisfactory.

### **Honors in Women's, Gender, and Sexuality Studies**

Seniors majoring in WGSS may apply to the WGSS Coordinating Committee for the honors program by April 15 of their junior year. A 3.50 major average at the end of the junior year is a condition for entry into the program. A 3.50 major average at the end of the senior year, a public oral presentation of the project, and approval of the WGSS Coordinating Committee are conditions for successful completion.

### **Requirements for the Minor in Women's, Gender, and Sexuality Studies**

A minimum of seven courses in at least two departments, to include Women's Gender, and Sexuality Studies 111, 113, 221, or 275; 311; 493, and three additional courses, at least one of which must be at the 300 or 400 level. Students may count toward fulfillment of the minor requirements one independent study (Women's Gender, and Sexuality Studies 491 or 492) *or* Senior Scholars work up to the equivalent of two courses (if approved by WGSS), *or* one internship for which three or four academic credits have been earned.

The point scale for retention of the minor applies to all courses taken toward fulfillment of the minor. Courses counted toward the minor may not be taken satisfactory/unsatisfactory.

### **Courses from other departments that may be applied to Women's, Gender, and Sexuality Studies major or minor**

<i>American Studies</i>	115	The Image of Women and Men in American Film
	275	Gender and Popular Culture
	277	Coming of Age in Asian America: Film and Fiction
	315	Contemporary Asian-American Women Writers
	376	Alternative Popular Cultures
	393	"American" Identities: Writing, Race, Gender, Ethnicity, and Sexuality in American Studies
<i>Anthropology</i>	211	Indigenous Peoples and Cultures of North America
	213	Human Rights and Indigenous Peoples
	217	Race and Ethnicity: Cross-Cultural Perspectives



	231	Caribbean Society and Culture
	254	Women in the African Diaspora
	273	Medical Anthropology
	373	The Anthropology of Gender and Sexuality
	452	Anthropology of Power
<i>Biology</i>	115	Biology of Women
	245	Biology of Race and Gender
<i>Classics</i>	332	Manhood in Greek Society and Literature
<i>East Asian Studies</i>	271	Women in Japanese Cinema and Literature
<i>Economics</i>	254	The Economics of Women, Men, and Work
<i>Education</i>	231	Teaching for Social Justice
	332	Women, Girls, and the Culture of Education
	338	Educational Technology and Student Learning
<i>English</i>	298	Gendered Memoir
	312	Desire and Autonomy in Medieval Women's Writing
	336	Early American Women Writers
	343	African-American Literature
	348	Postcolonial Literature
	352	Contemporary Asian-American Women Writers
	362	Art and Oppression: Lesbian and Gay Literature and Modern Society
	412	Shakespeare (when appropriate)
	413	Author Course (when appropriate)
	425	Modern Women's Literature
	429	Passionate Expression: Love, Sex, and Sexuality in Western Literature
	493	Seminar (when appropriate)
<i>French</i>	351	French-Canadian Literature and Society
	353	Francophone Women Writers
	357	Women Writers in the Maghreb: Algeria, Morocco, Tunisia
	358	Passionate Discontent: The 19th-Century Epidemic
<i>History</i>	231	American Women's History, to 1870
	232	American Women's History, 1870 to the Present
	245	Science, Race, and Gender
	273	History of Women, Gender, and Family in Latin America
	313	Women in Medieval and Early Modern Europe
	340	Seminar: Biographies and Autobiographies of Great American Women
	413	Seminar: Joan of Arc: History, Legend, and Film
	422	Research Seminar: Topics in Modern European Women's History
	435	Research Seminar: The American Civil War
<i>Philosophy</i>	155	Feminist Philosophies
	178	Thinking Sex
	212	Philosophy and Technology
	312	Philosophical Topics in Feminist Theory
	317	Philosophy of Science
<i>Psychology</i>	352	Sex and Gender Seminar
<i>Religious Studies</i>	257	Women in American Religion
	275	Contemporary Wicca: Formalists, Feminists, and Free Spirits
	312	South Asian Women at the Crossroads: Tradition and Modernity



	318	Seminar: Mary Daly
	355	The Goddess: A Hermeneutics in Theology
	398	Feminism, Rhetoric, and Paul
<i>Science, Technology, and Society</i>	271	History of Science in America
	273	Apocalypse Now: Science, Technology, and the Millennium
<i>Sociology</i>		
	273	Sociology of Families
	274	Social Inequality and Power
	276	Sociology of Gender
	297	Contemporary Family Relations: Mothers and Daughters
	333	Globalization
	355	African-American Women and Social Change
	377	Sociology of Sexualities
	391	Gender and Public Policy
<i>Spanish</i>	271	Questions of Identity, Spaces, and Power
	276	U.S. Latina/Chicana Women Writers
	334	Women in Hispanic Texts
	371	The Colonial Experience
	493	Seminar (when appropriate)
<i>Theater and Dance</i>	349	Topics in Dramatic Literature (when appropriate)

## Course Offerings

**[011] Sexual Violence and its Impact** During this 40-hour course, taught by a staff member of Rape Crisis Assistance and Prevention in Waterville, students will be sensitized to the emotional, psychological, physical, and social impacts of sexual violence. Topics of discussion will range from communication, advocacy, and crisis intervention to state laws and mental health issues. The dynamics and effects of various types of sexual violence are covered and include the following: sexual harassment, incest, child sexual abuse, date rape, stalking, acquaintance rape, and intimate partner abuse. Students will gain much of the knowledge, understanding, and skills necessary to provide services to the Rape Crisis Helpline, a sexual violence helpline serving northern Kennebec and Somerset counties. *Note:* this is an emotionally intense and demanding training course. It is recommended that participants have adequate support systems to assist in dealing with stress that may be encountered due to participation. Rape Crisis understands that many participants have been exposed to sexual violence in their lives; however, it may not be a positive experience for a person actively engaged in the healing process. *Noncredit.*

**[012] Domestic Abuse and Family Violence Prevention** The dynamics of domestic abuse, its effect on children, batterers' intervention strategies, dating abuse, legal remedies, and effective advocacy programs. Students will acquire the knowledge and skills necessary to become Family Violence Project volunteer advocates. Class meetings will be intensive and may be especially difficult for individuals with firsthand experience with the issue of domestic abuse. Family Violence Project staff will make every effort to be sensitive and supportive; however, a personal support system is highly recommended. *Noncredit.*

**[111] Introduction to Women's, Gender, and Sexuality Studies** An introduction to the interdisciplinary field of women's, gender, and sexuality studies, utilizing classical and contemporary texts. An examination of the variety of feminist theoretical approaches to understanding gendered lives in historical and transnational contexts. *Four credit hours.* **D, U.**

**[113] Introduction to Women's Literature and Feminist Criticism** An introduction to the practice of feminist criticism and to women's literature. The impact of feminist criticism on literary studies; fiction, prose, and drama by women writers from various countries. *Four credit hours.* **L, D, I.**

**137j Multidisciplinary Approaches to HIV/AIDS** Listed as JP137 (q.v.). *Two credit hours.* **INSTRUCTOR**

**[178] Gender and Sexuality** How French-speaking novelists, dramatists, poets, and filmmakers represent gender, sexuality, and sexual difference. Texts translated into English will be used to analyze the impact of culture and religion on issues related to gender and sexuality. Texts and films will be selected from a variety of French-speaking countries and regions, including France, Canada, Haiti, North Africa, sub-Saharan Africa, Lebanon, and Vietnam. Part of the Integrated Studies Program; requires concurrent enrollment in Philosophy 178. Admission by application. *Four credit hours.* **L, I.**

**[211] Women in Myth and Fairy Tale** How are women portrayed in the myths and fairy tales of Western cultures? What is the impact of these images on our selves and our society? What are some alternatives to the images we are familiar with? Are there innate "women's ways of heroism" that have been denigrated or ignored by patriarchal systems, or is such a gender distinction purely a social construct? These questions are explored through close examination of ancient and contemporary versions of the stories of Psyche, Beauty, and Inanna. Native American stories and feminist fairy tales provide alternative images for discussion, as will various video versions of the stories. Normally offered every other year. *Three credit hours.* **L, D.**

**217s Boys to Men** An exploration of the thoughts and feelings, physical responses, life choices, and aspirations of boys and men throughout the life cycle, as they act and interact with girls and women, with each other, and with the larger sociocultural context in which they live. From an explicitly social justice perspective, how power, privilege, and difference shape boys' and men's lives, and how the social construction and reproduction of masculinity differ based on sexual orientation, race, ethnicity, social class, and age, with particular attention paid to the problem of men's violence against women and against other men. *Four credit hours.* **S, D, U.** **TAPPAN**

**221f Gender, Race, and the Politics of Difference** From an interdisciplinary perspective, the course examines how women have responded to the relationships among gender, race, ethnicity, sexuality, and class, with special emphasis on feminist contributions to understanding the politics of difference. How assertions and denials of difference have defined "woman" and the priorities of feminist activism in the United States. *Four credit hours.* **D, U.** **THOMA**

**[273] History of Women, Gender, and Family in Latin America** Listed as History 273 (q.v.). *Four credit hours.* **H, D.**

**[275] Gender and Popular Culture** Listed as American Studies 275 (q.v.). *Four credit hours.* **D.**

**276f Sociology of Gender** Listed as Sociology 276 (q.v.). *Four credit hours.* **S, D.** **KIM**

**277j Mothers and Daughters: Special Topics in Contemporary Family Relations** Listed as Sociology 275 (q.v.). *Three credit hours.* **S, D, U.** **ARENDELL**

**311f Topics in Feminist Theory: U.S. Third World Feminist Theory** A seminar that explores the profound influence of U.S. women of color feminisms on contemporary feminist theory. Following examination of the critique of racism in the women's movement and of gender as a unified category of oppression, attention will focus on the "simultaneity of oppressions" and the intersectional analysis of sexism, heterosexism, racism, and capitalism. A third section will address the question of essentialism and the emergence of international feminisms that, as Chandra Talpade Mohanty asserts, "explore the links among the histories and struggles of Third World women against racism, sexism, colonialism, imperialism, and monopoly capitalism." A consideration of the emergence of "Third Wave" feminism and its relation to U.S. Third World feminist politics concludes the course. *Four credit hours.* **D, U.** THOMA

**[312] Philosophical Topics in Feminist Theory** Listed as Philosophy 312 (q.v.). *Four credit hours.* **S, D.**

**315s Contemporary Asian-American Women Writers** Contesting images such as the evil Dragon Lady and the exoticized Lotus Blossom, recent texts by Asian-American women often transform rigid notions of identity, culture, and nation. Students explore the various strategies that are used in Asian-American women's writing (autobiography, fiction, poetry, essay, and film) to negotiate and offer alternatives to the authors' contemporary concerns: the hyperfeminization and sexualization of Asian-American women, especially as represented in popular culture; heterosexuality, patriarchal family structures, and domestic violence; and the myths of meritocracy and the American dream for Asian immigrant women. *Four credit hours.* **L, D, U.** THOMA

**483f, 484s Senior Honors Project** An independent research project on an approved topic, conducted in close consultation with a faculty tutor and culminating in a substantial written thesis. Students are responsible for selecting their faculty tutor and submitting their proposal by April 15 of their junior year. A 3.5 major average at the end of the senior year is a condition of successful completion of the program. *Prerequisite:* Senior standing, a 3.5 major average at the end of the junior year, and permission of the Women's, Gender, and Sexuality Studies Program. *Three or four credit hours.* **FACULTY**

**491f, 492s Independent Study** Individual study of special problems in women's, gender, and sexuality studies in areas where the student has demonstrated the interest and competence necessary for independent work. The instructor must be one of the faculty members in the program. *Prerequisite:* Women's, gender, and sexuality studies major or minor, permission of the instructor, and approval of the Women's, Gender, and Sexuality Studies Program. *Three or four credit hours.* **FACULTY**

**493s Seminar: International Women's Movements and Transnational Feminist Activism** An intensive reading and research seminar on the intersections among the research methods of cross-cultural feminist inquiry, the political strategies of the international women's human rights movement, and the practices of transnational feminist activism. Whether focused on feminist scholarship, women's human rights movement, or activism, readings will explore examples of locally situated politics that are informed by women's cross-border political alliances in the context of globalization. Students will engage in an independent scholarly project of their choice. *Four credit hours.* **D, I.** THOMA

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# The Corporation 2004-2005

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E. MICHAEL CAULFIELD '68, M.A. '93, M.B.A., 1993-1996

JOHN G. CHRISTY, M.A. '84, M.A., 1984-1992

JANE WHIPPLE CODDINGTON '55, M.A. '94, M.L.S., 1994-1998

JOHN R. CORNELL '65, M.A. '97, LL.M., J.D., 1997-2003

JOHN W. DEERING '55, M.A. '78, 1978-1981

ROBERT M. FUREK '64, M.A. '90, M.B.A., 1990-1999

- ANNE RUGGLES GERE '66, M.A. '98, Ph.D., 1998-2004
- JEROME F. GOLDBERG '60, M.A. '89, J.D., 1989-1994
- RAE JEAN BRAUNMULLER GOODMAN '69, M.A. '83, M.A., Ph.D., 1983-1989
- PETER G. GORDON '64, M.A. '95, M.B.A., 1995-1998
- EUGENIE HAHLEBOHM HAMPTON '55, M.A. '72, 1972-1978
- PETER D. HART '64, LL.D. '85, M.A. '89, 1989-1993, 1995-1999
- WALLACE M. HASELTON, M.A. '71, 1971-1977, 1978-1981
- GEORGE E. HASKELL JR. '55, M.A. '92, 1992-1997
- ELLEN BROOKS HAWHEELI '69, M.A. '93, 1993-1999
- NANCY SPOKES HAYDU '69, M.A. '86, M.Ed., M.C.R.P., M.A., 1986-1994
- GERALD J. HOLTZ '52, M.A. '84, M.B.A., C.P.A., 1984-1992, 1993-2001
- AUDREY HITTINGER KATZ '57, M.A. '96, 1996-2001
- ROBERT S. LEE '51, M.A. '75, 1975-1987, 1989-1992, 1992-1995
- BEVERLY NALBANDIAN MADDEN '80, M.A. '86, 1986-1992, 1994-2002
- ROBERT A. MARDEN '50, M.A. '68, LL.B., 1968-1974, 1974-1993
- DAVID M. MARSON '48, M.A. '84, 1984-1993
- RITA ANN MCCABE '45, M.A. '66, 1966-1972, 1973-1983
- LAWRENCE C. MCQUADE, M.A. '81, LL.B., 1981-1989
- PAUL A. NUSSBAUM, M.A. '98, J.D., 1998-2002
- C. DAVID O'BRIEN '58, M.A. '75, 1975-1985
- KERSHAW E. POWELL '51, M.A. '82, D.M.D., 1982-1988
- PATRICIA RACHAL '74, M.A. '80, Ph.D., 1980-1986
- ROBERT C. ROWELL '49, M.A. '61, 1961-1967
- ROBERT SAGE '49, M.A. '74, 1974-1986, 1987-1993
- ELAINE ZERVAS STAMAS '53, M.A. '92, 1992-2000
- ALBERT STONE '51, M.A. '96, M.B.A., 1996-1999
- EUGENE C. STRUCKHOFF '44, M.A. '68, LL.B., 1967-1970
- W. CLARKE SWANSON JR., M.A. '70, LL.B., 1970-1976
- M. ANNE O'HANIAN SZOSTAK '72, M.A. '74, Ph.D., 1974-1982, 1995-2002
- ARTHUR T. THOMPSON '40, Sc.D. '69, M.A., M.S., M.B.A., 1970-1974
- SIGRID EMMA TOMPKINS '38, M.A. '70, LL.B., 1970-1976, 1977-1985



BARBARA HOWARD TRAISTER '65, M.A. '88, Ph.D., 1988-1994

BETH BROWN TURNER '63, M.A. '89, M.A., 1989-1992, 1993-1996

PETER A. VLACHOS '58, M.A. '77, 1977-1980

ROBERT F. WOOLWORTH, M.A. '65, 1965-1977

JOHN R. ZACAMY JR. '71, M.A. '92, M.B.A., 1992-1996, 1996-2001, 2002-2003

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LAZAR BIRENBAUM, B.S., Saratoga, California, *Senior Vice President, General Manager, Cisco Systems* (2007), Visiting Committees on Information Technology and on Computer Science

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ADRIENNE B. CLAY '97, San Carlos, California (2005)

BROOKE D. COLEMAN '92, M.S., Salem, Massachusetts, *Salem State College* (2006), Visiting Committee on Sociology

REBECCA LITTLETON CORBETT '74, Baltimore, Maryland, *Enterprise Editor, The New York Times* (2008)

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JAMES E. COWIE '77, M.B.A., Kenilworth, Illinois, *Managing Partner, Frontenac Company* (2006)

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PATRICIA ORR FROST '59, M.S., Miami Beach, Florida, *Chair, National Board, Smithsonian Institution; Retired Principal, Henry S. West Laboratory School* (2006)

DIANA J. FUSS '82, M.A., Ph.D., New York, New York, *Professor of English, Princeton University* (2005)

TODD W. HALLORAN '84, M.B.A., Darien, Connecticut (2006)

RICK N. JOHNSON, B.A., Leawood, Kansas, *President, Americraft Carton* (2005)

PETER G. JORDAN '80, M.S., Brooklyn, New York, *Acting VP/Dean of Enrollment Management & Student Development, City University of New York* (2006), Visiting Committee on Student Services

PAUL D. KAZILIONIS '79, Hobe Sound, Florida, *Managing Principal and Founder, Westbrook Partners, L.L.C.* (2007)

KENDRA A. KING '94, Ph.D., Atlanta, Georgia, *Assistant Professor of Politics, Oglethorpe University* (2006), Visiting Committee on Religious Studies

STEPHEN R. LANGLOIS '85, M.B.A., South Hamilton, Massachusetts, *Director of Strategy and Business Development, Columbia Management Group* (2005), Visiting Committees on Art and on Geology

SETH W. LAWRY, M.B.A., Weston, Massachusetts, *Managing Director, Thomas H. Lee Company* (2006)

PETER H. LUNDER '56, D.F.A. '98, Scarborough, Maine, *Chairman, Kenilworth, Inc.* (Life Overseer)

SUSAN RYEL METTLER '71, Studio City, California (2007), Visiting Committees on Government and on Physical Plant

SUSAN JACOBSON NESTER '88, Bowie, Maryland, *Director/Broadcast Media, Independent Insurance Agents & Brokers of America* (2005), Visiting Committees on Dining Services, on Communications, and on French

KRISTIAN K. PARKER '94, Ph.D., Geneva, Switzerland (2008), Visiting Committees on Environmental Studies and on Biology

M. JANE POWERS '86, M.S.W., Medford, Massachusetts, *Director of Day Treatment Program, St. Ann's Home* (2006), Visiting Committees on Latin American Studies, on Student Services, and on Sociology

LOU RICHARDSON '67, Wellesley, Massachusetts, *Controller, Xerox Foundation* (2007)

CLAUDIA CARUSO ROUHANA '71, Sands Point, New York (2007), Visiting Committees on Art, on Music, and on Classics

RICHARD H. SABOT, Ph.D., Williamstown, Massachusetts, *Chairman, Eziba* (2007)

EDWIN F. SCHEETZ III '87, M.B.A., Belvedere Tiburon, California, *Managing Director, Piper Jaffray Ventures* (2008)

JENNIFER ALFOND SEEMAN '92, Weston, Massachusetts (2006), Visiting Committee on Dining Services

MOSES SILVERMAN '69, J.D., New York, New York, *Partner, Attorney, Paul Weiss Rifkind Wharton & Garrison* (2006)

PATRICIA VALAVANIS SMITH '80, M.S., Andover, Massachusetts, *Editor, International Data Group* (2007), Visiting Committees on Health Services and on Physical Education and Athletics

PAUL G. SPILLANE JR. '79, M.A., Darien, Connecticut, *Managing Director, Head of Research Activities, Soleil Securities Group, Inc.* (2007), Visiting Committee on Physical Education and Athletics

DAVID M. STEINBERG '83, M.B.A., San Francisco, California, *Managing Director, Deutsche Bank Alex. Brown* (2005), Visiting Committee on Environmental Studies

GERALD S. TANENBAUM, J.D., New York, New York, *Partner, Cahill Gordon & Reindel* (2007), Visiting Committees on Science, Technology and Society, on Government, and on Physical Plant

CICELY FINLEY TAYLOR '94, Chicago, Illinois (2006), Visiting Committees on Music and on Spanish

ALFRED TRAVERSI '74, M.B.A., Concord, Massachusetts, *President and CEO, AdvizeX Technologies, LLC* (2006), Visiting Committees on History and on Economics

RICHARD Y. UCHIDA '79, J.D., Bow, New Hampshire, *Attorney, Law Office of Hebert & Uchida, PLLC* (2006), Visiting Committees on Latin American Studies, on Anthropology, and on East Asian Studies

CHARLES O. WOOD, L.H.D. '96, B.S., New York, New York, *CBS News* (2005)

JOSHUA C. WOODFORK '97, M.A., Adelphi, Maryland, *University of Maryland* (2006)

JONATHAN ZUHOVITZKY, B.A., New York, New York, *Partner/Investment Banker, First Capital Advisers, L.L.C.* (2005), Visiting Committees on Jewish Studies, on German and Russian, and on Classics

### Overseers Visiting Committees 2003-2004

**Latin American Studies** (October 26-28): RICHARD Y. UCHIDA '79, chair; M. JANE POWERS '86; AGNES LUGO-ORTIZ, Dartmouth College, consultant; ALLEN WELLS, Bowdoin College, consultant.

**Jewish Studies** (November 2-4): JONATHAN ZUHOVITZKY, chair; DEBORAH HERTZ, Sarah Lawrence University, consultant; SHULAMIT MAGNUS, Oberlin College, consultant.

**Art** (November 16-18): CLAUDIA CARUSO ROUHANA '71, chair; STEPHEN R. LANGLOIS '85; DALE KINNEY, Bryn Mawr College, consultant; SUSAN GROCE, University of Maine, consultant.

**International Studies** (March 7-9): SUSAN E. BOLAND '83; JEANNE HAY, Miami University, consultant; LOUIS ORTMAYER, Davidson College, consultant.

**Physics and Astronomy** (March 14-16): RICHARD H. CAMPBELL '58, chair; AMY BUG, Swarthmore College, consultant; DAVID GRIFFITHS, Reed College, consultant.

**Admissions and Financial Aid** (May 2-4): ROBERT A. RUDNICK '69, chair; DAVID BORUS, Vassar College, consultant; LAURA TALBOTT, Swarthmore College, consultant; SAMMIE ROBINSON, George Washington University, consultant.

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ALEXANDRA ANDERSON-SPIVY, New York, New York, *Freelance Writer and Curator*

S. BRUCE BROWN '62, Rockport, Maine, *Curator, Center for Maine Contemporary Art*

LEE SCRAFTON BUJOLD '64, Williston, Vermont, *Antiques and Decorative Arts Dealer*

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LINDA JOHNSON CRAWFORD '64, Richmond, Virginia, *Museum Docent*

JAMES A. FFRENCH '85, New York, New York, *Director, Beauvais Carpets*

DOUGLAS DEK. HALL '90 Portland, Maine, *Firefighter, City of Portland*

HEATHER PAYSON HAMLIN '88, Portland, Maine, *Museum Docent*

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ALEX KATZ, D.F.A. '84, New York, New York, *Artist*

VINCENT KATZ, M.A. '84, New York, New York, *Writer*

PAULA CRANE LUNDER, M.A. '98, D.F.A. '98, Scarborough, Maine, *Kenilworth, Inc.*

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THOMAS H. SALIBA '67, M.B.A., South Freeport, Maine, *CEO, Arames Inc.*

THOMAS B. SCHULHOF '69, J.D., New York, New York, *President, Quadriga Art Company*

PAUL J. SCHUPF, M.A. '91, Ph.D., Hamilton, New York, *President, Paul J. Schupf Associates*

JOHN E. SHORE '59, J.D., Cincinnati, Ohio, *President, J.E. Shore Enterprises, Inc.*

ELAINE ZERVAS STAMAS '53, M.A. '92, Scarsdale, New York, *Collector*

STEPHEN STAMAS, Ph.D., Scarsdale, New York, *Retired Vice President, ExxonMobil Foundation*

SETH A. THAYER III '89, M.A., Northport, Maine, *Owner, American Arts Consulting*



BARBARA STARR WOLF '50, Jamaica Plain, Massachusetts, *Director, Barbara Starr Wolf Cultural Promotions*

**Alumni Council Executive Committee**

FRANK A. WILSON '73, chair, president of the Alumni Association

HOPE PALMER BRAMHALL '56, vice chair of the Alumni Council

LOU RICHARDSON '67, immediate past chair

MARGARET FELTON VIENS '77, executive secretary/treasurer

BOYD ALLEN III '75, chair, Awards Committee

G. ARTHUR BRENNAN '68, chair, Athletics Committee

PATRICIA WHITTEMORE JENKINS '67, chair, Career Services Committee

PETER MERRILL '57, member at large

JANICE WOOD PARSONS '65, chair, Admissions and Financial Aid Committee

BARRY S. POTTER '60, chair, Nominating Committee

SUSAN MAXWELL REISERT '86, member at large

ERIC F. ROLFSON '73, member at large

JESSICA D'ERCOLE STANTON '92, chair, Alumni Fund Committee

PHILIP C. WYSOR '70, chair, Alumni on Campus Committee

# Faculty 2002-2004

WILLIAM D. ADAMS, M.A. '00, Ph.D., 2000-  
*Professor of Philosophy; President*

EDWARD H. YETERIAN, M.A. '91, Ph.D., 1978-  
*Audrey Wade Hittinger Katz and Sheldon Toby Katz Distinguished Teaching Professor of Psychology; Vice President for Academic Affairs and Dean of Faculty, 1998-*

## **Emeriti**

DOUGLAS N. ARCHIBALD, M.A. '73, Ph.D., 1973-2004  
*Roberts Professor of Literature, Emeritus; Vice President for Academic Affairs and Dean of Faculty, 1982-1988; Editor of Colby Quarterly, 1986-2004; Curator of the Healy Collection, 1993-1998*

CHARLES W. BASSETT, M.A. '80, Ph.D., 1969-1999  
*Lee Family Professor of American Studies and English, Emeritus*

R. MARK BENBOW, M.A. '62, Ph.D., 1950-1990  
*Roberts Professor of English Literature, Emeritus*

MIRIAM F. BENNETT, M.A. '73, Ph.D., 1973-1993  
*William R. Kenan Jr. Professor of Biology, Emerita*

CLIFFORD J. BERSCHNEIDER, M.A. '78, M.A., 1949-1985  
*Professor of History, Emeritus*

PATRICK BRANCACCIO, M.A. '79, Ph.D., 1963-2003  
*Zacamy Professor of English, Emeritus*

JEAN D. BUNDY, M.A. '63, Ph.D., 1963-1989  
*Dana Professor of French Literature, Emeritus*

FRANCISCO A. CAUZ, M.A. '77, Ph.D., 1957-1993  
*Professor of Spanish, Emeritus; Resident Director of Colby in Salamanca Program, Emeritus*

WILLIAM R. COTTER, M.A. '79, LL.D., 1979-2000  
*Professor of Government, Emeritus; President, Emeritus*

F. ELIZABETH CRAWFORD '29, M.L.S.  
*Associate Professor of Library Science, Emerita*

EILEEN M. CURRAN, M.A. '73, Ph.D., 1958-1992  
*Professor of English, Emerita*

JOHN M. DUDLEY, M.A. '86, Ph.D., 1964-1992  
*Professor of Physics, Emeritus*

SIDNEY W. FARR '55, M.A. '95, M.B.A., 1960-1995  
*Professor, Emeritus; Alumni Secretary; Secretary of the Corporation*

CHARLES A. FERGUSON, Ph.D., 1967-1995  
*Associate Professor of French and Italian, Emeritus*

GUY T. FILOSOOF, M.A. '81, Ph.D., 1969-2001  
*Professor of French, Emeritus*

BRUCE E. FOWLES, Ph.D., 1967-2003  
*Associate Professor of Biology, Emeritus*

FREDERICK A. GEIB, M.A. '75, Ph.D., 1955-1991  
*Professor of Sociology, Emeritus*

HENRY A. GEMERY, M.A. '77, Ph.D., 1961-2002  
*Pugh Family Professor of Economics, Emeritus*

HUGH J. GOURLEY III, A.B., April, 1966-2003  
*Faculty Member without Rank: Carolyn Muzzy Director of the Museum of Art, Emeritus*

ADEL HEINRICH, A.Mus.D., 1964-1988  
*Associate Professor of Music, Emerita; Director of Chapel Music, Emerita*

JAN S. HOGENDORN, M.A. '76, Ph.D., 1963-2003  
*The Grossman Professor of Economics, Emeritus*

HENRY HOLLAND, M.A. '66, Ph.D., 1952-1988  
*Professor of Modern Languages [Spanish], Emeritus; Resident Director of Colby in Cuernavaca Program, Emeritus*

YEAGER HUDSON, M.A. '77, Ph.D., 1959-1999  
*Dana Professor of Philosophy, Emeritus*

ROBERT H. KANY, Ph.D., 1970-1996  
*Associate Professor of History, Emeritus; Director of Special Programs; Associate Director of Corporate and Foundation Relations*

HOWARD L. KOONCE, M.A. '80, Ph.D., 1963-1994  
*Professor of English and Performing Arts, Emeritus*

DONALDSON KOONS, M.A. '51, Ph.D., 1947-1982  
*Dana Professor of Geology, Emeritus*

HUBERT C. KUETER, Ph.D., 1965-1997  
*Associate Professor of German, Emeritus*

THOMAS R.W. LONGSTAFF, M.A. '84, Ph.D., 1969-2003  
*Crawford Family Professor of Religious Studies, Emeritus*

COLIN E. MACKAY, M.A. '73, Ph.D., 1956-1990  
*Professor of English, Emeritus*

ALBERT A. MAVRINAC, M.A. '58, Ph.D., 1958-1992  
*Dana Professor of Government, Emeritus*

MARILYN S. MAVRINAC, Ph.D., 1963-1964, 1967-1968, 1969-1970  
*Associate Professor of Education and Human Development, Emerita*

RICHARD J. MCGEE, M.A. '86, M.S., 1967-1998

*Professor of Physical Education, Emeritus; Director of Athletics*

C. ABBOTT MEADER, M.A. '96, M.F.A., 1983-1998

*Professor of Art, Emeritus*

SUANNE WILSON MUEHLNER, M.L.S., 1981-2003

*Faculty Member without Rank: Director of the Colby Libraries, Emerita*

BRADFORD P. MUNDY, M.A. '92, Ph.D., 1992-2003

*Miselis Professor of Chemistry, Emeritus*

CARL E. NELSON, M.Ed., 1967-1993

*Adjunct Professor of Physical Education, Emeritus; Director of Health Services*

STANLEY A. NICHOLSON, M.A. '81, Ph.D., 1981-1990

*Professor of Economics, Emeritus; Administrative Vice President, Emeritus*

HAROLD R. PESTANA, M.A. '85, Ph.D., 1959-1997

*Professor of Geology, Emeritus*

ROBERT W. PULLEN '41, M.A. '59, Ph.D., 1945-1981

*Professor of Economics, Emeritus; Administrative Vice President, Emeritus*

HAROLD B. RAYMOND, M.A. '68, Ph.D., 1952-1994

*Professor of History, Emeritus*

PETER RÉ, M.A. '65, M.A., 1951-1984

*Professor of Music, Emeritus*

EVANS REID, M.A. '58, Ph.D., 1954-1978

*Merrill Professor of Chemistry, Emeritus*

DOROTHY SWAN REUMAN, M.A., 1966-1992

*Associate Professor of Music, Emerita*

YVONNE R. ROWE '55, M.A. '79, M.B.A., 1958-1994

*Professor of Administrative Science, Emerita*

ALLAN C. SCOTT, M.A. '51, Ph.D., 1951-1973

*Dana Professor of Biology, Emeritus*

RICHARD C. SEWELL, 1974-2003, 2004-

*Adjunct Associate Professor of Theater and Dance, Emeritus; Director of Powder and Wig, Emeritus; Irving D. Suss Visiting Guest Artist*

SONIA CHALIF SIMON, Ph.D., 1982-1996

*Associate Professor of Art, Emerita*

EARL H. SMITH, M.A. '95, B.A., 1962-2002

*Professor; Dean of the College, Emeritus; College Historian*

WAYNE L. SMITH, M.A. '83, Ph.D., 1967-2001

*Professor of Chemistry, Emeritus*



ROBERT E.L. STRIDER, M.A. '57, Ph.D., 1957-1979  
*Professor of English, Emeritus; President, Emeritus*

JOHN R. SWENEY, M.A. '82, Ph.D., 1967-2004  
*NEH Class of 1940 Distinguished Teaching Professor of Humanities, Emeritus, English*

DACE WEISS, M.A., 1981-2001  
*Assistant Professor of French, Emeritus*

GUENTER WEISSBERG, M.A. '70, Ph.D., 1965-1988  
*Professor of Government, Emeritus*

JAMES B. WESCOTT, M.A. '01, M.S., 1978-2003  
*Adjunct Professor of Physical Education and Athletics, Emeritus*

DORIN ZOHNER, Ph.D., 1963-1966; 1969-1996  
*Associate Professor of Psychology, Emeritus*

WALTER H. ZUKOWSKI, M.A. '65, Ph.D., 1952-1982  
*Wadsworth Professor of Administrative Science, Emeritus*

### **Named Chairs, Their Donors, and Current Chairholders**

The Allen Family Chair in Latin American Literature (1993) by Leon and Karen Allen P '86. Jorge Olivares, Spanish.

The Leslie Brainerd Arey Chair in Biosciences (1993) by Mary E. Arey in memory of her husband, Colby Class of 1912. W. Herbert Wilson, biology.

The Arnold Bernhard Professorship in Arts and Humanities (1997) by A. Van Hoven Bernhard '57 in memory of his father. Paul S. Machlin, music.

The Carter Professorship in Mathematics and Computer Science (1985) by Clark H. Carter '40, Colby trustee, and William C. Carter '38 to recognize their family's 85-year relationship with the College. Thomas R. Berger, mathematics.

The William R. Cotter Distinguished Teaching Professorship (2000) by members of the Colby community. Kenneth A. Rodman, government.

The Crawford Family Chair in Religion (1994) by James B. Crawford '64, chair of the Colby Board of Trustees, and Linda Johnson Crawford '64 in memory of Colby Professor Gustave H. Todrank. Nikky-Guninder Singh, religious studies.

The Charles A. Dana Professorship Fund (1966) by the Charles A. Dana Foundation of New York City. Cheshire Calhoun, philosophy, Anthony Corrado, government, Susan Kenney, English, Thomas J. Morrione, sociology, and Clifford Reid, economics.

The Robert E. Diamond Professorship in Humanities (1993) by Robert E. Diamond Jr. '73, Colby trustee, in memory of his father. Jane M. Moss, French.

The Dr. Gerald and Myra Dorros Chair in Life Sciences (1996) by Gerald and Myra Dorros P '93, '96, '98, '01. Shari Dunham and Stephen Dunham, chemistry.

The Douglas Chair in Investment and/or Finance (1994) by an anonymous alumnus. Randy A. Nelson, administrative science and economics.

The John J. and Cornelia V. Gibson Chair in History (1996) by John V. Gibson '59 in honor of his parents. Elizabeth D. Leonard, history.

The James M. Gillespie Chair in Art and American Studies (1990) through a bequest from Professor Emeritus James M. Gillespie. Michael Marlais, art.

The Goldfarb Family Distinguished Professorship in American Government (1991) by William H. Goldfarb '68, Colby trustee. G. Calvin Mackenzie, government.

The Grossman Professorship of Economics (1976) by Nissie Grossman '32 in honor of his parents, Reuben and Lizzie Grossman. Patrice Franko, economics.

The Ellerton and Edith Jetté Professorship in Art (1993) through a bequest from Edith M. Jetté H '62. Mrs. Jetté and her husband, Ellerton M. Jetté H '55, were long-time friends of the College and supporters of the Colby College Museum of Art. David L. Simon, art.

The Christian A. Johnson Distinguished Teaching Professorship (1990) by the Christian A. Johnson Endeavor Foundation. Robert S. Weisbrot, history.

The Christian A. Johnson Professorship for Integrative Liberal Learning (1998) by the Christian A. Johnson Endeavor Foundation to launch a pioneer program in liberal arts education. Robert L. McArthur, philosophy.

The Audrey Wade Hittinger Katz and Sheldon Toby Katz Professorship for Distinguished Teaching (1994) by Audrey Hittinger Katz '57, Colby trustee, and Sheldon T. Katz. Edward H. Yeterian, psychology.

The William R. Kenan Jr. Professorship Fund (1979) by the William R. Kenan Jr. Charitable Trust. L. Sandy Maisel, government.

The Lee Family Chair in English (1993) by Robert S. Lee '51, Colby trustee, and his wife, Jean. Cedric Gael Bryant, English.

The Clare Boothe Luce Professorships (1988) through a bequest from Clare Boothe Luce. Catherine R. Bevier, biology; Lynn Hannum, biology; Virginia C. Long, physics; Jennifer D. Shosa, geology; Katherine St. Clair, mathematics; Judy L. Stone, biology; and Andrea R. Tilden, biology.

The John D. and Catherine T. MacArthur Foundation Professorship (1981) by the John D. and Catherine T. MacArthur Foundation. Cheryl Townsend Gilkes, sociology and African-American studies.

The J. Warren Merrill Professorship in Chemistry and Natural History (1865) by J. Warren Merrill, Colby trustee. Julie T. Millard, chemistry.

The Dr. Frank and Theodora Miselis Chair in Chemistry (1991) by Frank J. '43 and Theodora Miselis. D. Whitney King, chemistry.

The Mitchell Family Professorship in Economics (1993) by Edson V. Mitchell '75, Colby trustee. Thomas H. Tietenberg, economics.

The Carolyn Muzzy Museum of Art Chair (1992) by Colby friend Carolyn Muzzy, who had been involved with the museum since its inception. Daniel G. Rosenfeld.

The NEH/Class of 1940 Distinguished Professorship in Humanities (1990) by the National Endowment for the Humanities and alumni from the Class of 1940. Jonathan M. Weiss, French.

The Oak Chair in Biological Sciences (1993) by The Oak Foundation, the family foundation of the parents of a Colby alumnus. F. Russell Cole, biology.

The Oak Chair in East Asian Language and Literature (2000) by The Oak Foundation, the family foundation of the parents of a Colby alumnus. Tamae K. Prindle, East Asian studies.

The Paul D. and Marilyn Paganucci Chair in Italian Language and Literature (2000) by Paul D. Paganucci, M.A. '75, Colby trustee, and Marilyn Paganucci. Mario Moroni, Italian.

The Clara C. Piper Professorship (1990) by Wilson C. Piper '39, Colby trustee, and Mary Piper in memory of Wilson Piper's mother, Clara Collins Piper '14. David H. Firmage, biology.

The Pugh Family Professorship in Economics (1992) by Lawrence R. Pugh '56, past chair of the Colby Board of Trustees, and Jean Van Curan Pugh '55. David W. Findlay, economics.

The Pulver Family Chair in Jewish Studies (1996) by David Pulver '63, Colby trustee, and Carol Pulver. Howard N. Lupovitch, Jewish studies.

The Arthur Jeremiah Roberts Professorship of Literature (1928) by the Board of Trustees as an expression of their regard for the late President Roberts, Colby's 13th president, who had taught English literature at Colby. Ira Sadoff, English.

The William A. Rogers Professorship in Physics (2000) by an anonymous donor. Murray F. Campbell, physics.

The Sunrise Chair (2000) by anonymous parents of Colby alumni. Robert T. Bluhm, Jr., physics.

The Julian D. Taylor Assistant Professorship in Classics (1956) by a bequest from Professor Julian D. Taylor, who taught Latin and Greek at Colby from 1868 to 1931. Kerill N. O'Neill, classics.

The Herbert E. Wadsworth Professorship in Economics (1940) by Herbert E. Wadsworth, Class of 1892, Colby trustee. James W. Meehan Jr., economics.

The Whipple-Coddington Chair in Geology (1994) by Jane Whipple Coddington '55, Colby trustee, and F. Chandler Coddington Jr. Robert A. Gastaldo, geology.

The Harriet S. Wiswell and George C. Wiswell Jr. Chair in American Constitutional Law (2000) by Harriet Sargent Wiswell '48 and George C. Wiswell Jr. '50 Joseph Reisert, government.

The Zacamy Chair in English (1993) by John R. Zacamy Jr. '71, Colby trustee. Peter B. Harris, English.

The Ziskind Professorship of East Asian Studies (1963) by the Jacob Ziskind Trust. Unfilled.

## Faculty

*The faculty is arranged alphabetically. In parentheses are listed colleges and universities from which earned degrees have been received.*

WILLIAM D. ADAMS, M.A. '00, Ph.D. (Colorado College, California at Santa Cruz), 2000-  
*President; Professor of Philosophy*

DEBRA A. AITKEN, M.A. '01, B.A. (Plymouth State, Frostburg State), 1985-  
*Adjunct Professor of Physical Education and Athletics*

DONALD B. ALLEN, M.A. '82, Ph.D. (Fresno State, Illinois, Fresno State), 1967-  
*Professor of Geology*

RICHARD A. AMMONS, M.B.A. (Amherst, Stanford), November, 2003-  
*Professor of American Studies; Vice President for College Relations*

JEFFREY D. ANDERSON, Ph.D. (Knox, Chicago), 1996-  
*Associate Professor of Anthropology*

TERRY J. ARENDELL, M.A. '99, Ph.D. (United States International, California at Berkeley),  
1994-  
*Professor of Sociology*

ARIEL C. ARMONY, Ph.D. (Buenos Aires [Argentina], Ohio, Pittsburgh), 1998-  
*Assistant Professor of Government*

TOM C. AUSTIN, B.S. (Maine), 1986-  
*Adjunct Associate Professor of Physical Education and Athletics*

SALLY A. BAKER, A.B. (Duke), 1989-1998, 2002-  
*Faculty member without Rank; Executive Assistant to the President and Secretary of the Corporation*

EUGENE AVRUTIN, M.A. (Texas at Austin, Michigan), 2004-  
*Visiting Instructor in History*

DEBRA A. BARBEZAT, M.A. '04, Ph.D. (Smith, Michigan), 1992-  
*Professor of Economics*

KAREN A. BARNHARDT, Ph.D. (Carroll, Montana, North Carolina at Greensboro), 2000-  
*Assistant Professor of Education*

JAMES C. BARRETT, Ph.D.<sup>1</sup> (California at Santa Cruz, Cornell), 2000-  
*Visiting Assistant Professor of Anthropology/Classics*

CHARLES W. BASSETT, M.A. '80, Ph.D.<sup>1</sup> (South Dakota, Kansas), 1969-1999, 1999-  
*Lee Family Professor of American Studies and English, Emeritus; Visiting Professor of English*

THOMAS R. BERGER, M.A. '95, Ph.D. (Trinity, California Institute of Technology), 1995-  
*Carter Professor of Mathematics*

WILLIAM P. BERLINGHOFF, Ph.D.<sup>1</sup> (Holy Cross, Boston College, Wesleyan), 1988-1991;  
2003; February-May 2005  
*Visiting Professor of Mathematics*



KIMBERLY A. BESIO, Ph.D. (Hawaii at Manoa, California at Berkeley), 1992-  
*Associate Professor of East Asian Studies [Chinese]*

CATHERINE L. BESTEMAN, Ph.D. (Amherst, Arizona), 1993-  
*Associate Professor of Anthropology*

PARKER J. BEVERAGE, M.A. (Dartmouth, Stanford), 1985-  
*Dean of Admissions and Financial Aid*

CATHERINE R. BEVIER, Ph.D. (Indiana, Connecticut), 1999-  
*Clare Boothe Luce Assistant Professor of Biology*

RAMACHANDRAN BHARATH, Ph.D. (University of Madras [India], London School of Economics [England], Simon Fraser [Canada]), 1999-2004  
*Visiting Professor of Mathematics*

DANIEL BILAR, Ph.D. (Brown, Cornell, Dartmouth), 2004-  
*Visiting Assistant Professor of Computer Science*

ADRIAN BLEVINS, M.F.A. (Virginia Intermont, Hollins, Warren Wilson), 2004-  
*Assistant Professor of English*

ROBERT T. BLUHM JR., M.A. '03, Ph.D. (NYU, Princeton, Columbia, Rockefeller), 1990-  
*Sunrise Professor of Physics*

LILIANA BOTCHEVA-ANDONOVA, Ph.D. (Mount Holyoke, Harvard), February 2004-  
*Assistant Professor of Government and Environmental Studies*

LAURA CHAKRAVARTY BOX, Ph.D. (California State at Fullerton, San Diego State, Hawaii at Manoa), February 2002-  
*Assistant Professor of Theater and Dance*

JENNIFER FINNEY BOYLAN, M.A. '01, M.A.<sup>1</sup> (Wesleyan, Johns Hopkins), 1988-  
*Professor of English*

OTTO K. BRETSCHER, Ph.D.<sup>1</sup> (Zurich [Switzerland], Harvard, Zurich [Switzerland]), 1998-  
*Assistant Professor of Mathematics*

MARK D. BREWER, Ph.D. (Syracuse), 2002-2004  
*Visiting Assistant Professor of Government*

ANDREW J. BROWN, Ph.D.<sup>1</sup> (Pennsylvania, California at San Diego), 2000-  
*Visiting Lecturer in Sociology, University College Cork; Director, Colby in Cork, September-December 2002, 2003, 2004*

BETSY BROWN, Ph.D. (Boston University, Delaware), 1990-  
*Visiting Assistant Professor of Biology; Associate Director of Corporate and Foundation Relations*

LYN MIKEL BROWN, Ed.D.<sup>2</sup> (Ottawa, Harvard), 1991-  
*Associate Professor of Education and Women's, Gender, and Sexuality Studies*

PHILIP H. BROWN, Ph.D. (Colorado, School for International Training, Michigan), 2003-  
*Assistant Professor of Economics*

CEDRIC GAEL BRYANT, Ph.D. (California at San Diego), 1988-  
*Lee Family Professor of English*

PATRICIA A. BURDICK, A.L.M. (Cedar Crest, Georgia Institute of Technology, Simmons, Harvard), 2001-  
*Faculty Member without Rank: Special Collections Librarian*

MICHAEL D. BURKE, M.F.A.<sup>1</sup> (California at Berkeley, Massachusetts at Amherst), 1987-  
*Associate Professor of English*

THOMAS K. BURTON, B.A. (Hamilton), 1999-  
*Adjunct Assistant Professor of Physical Education and Athletics*

CHESHIRE C. CALHOUN, M.A. '99, Ph.D. (Northwestern, Texas at Austin), 1991-  
*Charles A. Dana Professor of Philosophy*

ALEC D. CAMPBELL, Ph.D. (Columbia, UCLA), 1998-  
*Assistant Professor of Sociology*

DEBRA CAMPBELL, M.A. '02, Ph.D. (Mt. Holyoke, St. Michael's [Canada], Boston University), January-June 1983, 1986-  
*Professor of Religious Studies*

MURRAY F. CAMPBELL, M.A. '92, Ph.D. (Pennsylvania State, Cornell), 1980-  
*William A. Rogers Professor of Physics*

CHRISTOPHER HAMLER CARRICK, B.S.<sup>1</sup> (Boston), 2004-  
*Visiting Instructor in English*

TRACY HAMLER CARRICK, Ph.D. (Boston, San Francisco State, Syracuse), 2003-  
*Assistant Professor of English; Director of the Writers' Center*

JOYCE M. CLEMENTS, M.A.<sup>1</sup> (Northwestern, Massachusetts at Boston), September-December 2003  
*Visiting Instructor in Women's, Gender, and Sexuality Studies*

DAVID TODD COFFIN '83, M.A. (Colby, Purdue), 2003-  
*Adjunct Instructor in Athletics and Physical Education*

DANIEL H. COHEN '75, M.A. '00, Ph.D. (Colby, Indiana), 1983-  
*Professor of Philosophy*

MARIA COLBERT, M.A. (Harvard), 2002-  
*Instructor in Spanish*

F. RUSSELL COLE, M.A. '90, Ph.D. (Massachusetts, Illinois at Urbana), 1977-  
*Oak Professor of Biological Sciences*

SUSAN WESTERBERG COLE, M.S.<sup>1</sup> (Knox, Illinois), 1978-  
*Faculty Member without Rank: Science Librarian*

GEORGE L. COLEMAN II, M.A. (Cornell, Kansas), 1963-  
*Associate Professor of Geology; Registrar*

CLARE BATES CONGDON, Ph.D.<sup>2</sup> (Wesleyan, Michigan), 1998-  
*Assistant Professor of Computer Science*

SARAH O. CONLY, Ph.D.<sup>1</sup> (Princeton, Cornell), February 2001-  
*Visiting Assistant Professor of Philosophy; Integrated Studies Program*

CHARLES W.S. CONOVER III, M.A. '04, Ph.D. (Middlebury, Virginia), 1990-  
*Professor of Physics*

REBECCA R. CONRY, Ph.D. (Eastern Washington, Washington), 2000-  
*Associate Professor of Chemistry*

DANIEL CONTRERAS, Ph.D. (Texas at Austin, Stanford), 2003-  
*Assistant Professor of English*

ALLISON A. COOPER, M.A.<sup>1</sup> (Knox, UCLA), 2002-  
*Instructor in Italian*

ANTHONY J. CORRADO JR., M.A. '01, Ph.D. (Catholic University, Boston College), February 1986-  
*Charles A. Dana Professor of Government*

TRACEY A. COTE, M.S. (Northern Michigan, Wyoming), 1998-  
*Adjunct Assistant Professor of Physical Education and Athletics*

PAOLA D'AMATO, B.A.<sup>1</sup> (University of Trieste [Italy]), February-May 2004  
*Visiting Instructor in French and Italian*

G. RUSSELL DANNER, DVM<sup>1</sup> (Wisconsin at Madison, Idaho at Moscow, Wisconsin at Madison), February-May 2004  
*Visiting Assistant Professor of Biology*

MICHAEL J. DELL'OLIO, J.D.<sup>1</sup> (Maine, New Hampshire College, Massachusetts School of Law), January-May, 2004  
*Visiting Assistant Professor of Administrative Science*

MARTHA J. DENNEY, Ph.D. (Hamilton, Harvard, Brandeis), 1995-  
*Assistant Professor of Education and Human Development; Associate Dean of Faculty and Director of Off-Campus Study, 2000-*

GUILAIN P. DENOEU, M.A. '03, Ph.D. (Grenoble [France], Georgetown, Princeton), 1990-  
*Professor of Government*

JULIE W. DE SHERBININ, Ph.D. (Amherst, Yale, Cornell), 1993-  
*Associate Professor of Russian*

THOMAS A. DEXTER, M.S. (SUNY at Cortland), 1989-  
*Adjunct Associate Professor of Physical Education and Athletics*

SUELLEN DIACONOFF, M.A. '00, Ph.D. (Willamette, Indiana), 1986-  
*Professor of French*

SALVATORE DI FALCO, Ph.D.<sup>1</sup> (Palermo [Italy], York [England], Catania [Italy], York [England]), 2004-  
*Visiting Assistant Professor of Economics*

PETER B. DITMANSON, Ph.D. (Minnesota, Harvard), 1999-  
*Assistant Professor of History and East Asian Studies*

PRISCILLA A. DOEL, M.A. '93, M.A. (Colby Junior, NYU), 1965-  
*Professor of Portuguese and Spanish*

MICHAEL R. DONIHUE '79, Ph.D. (Colby, Michigan), 1989-  
*Associate Professor of Economics*

LINWOOD C. DOWNS '83, M.A.<sup>1</sup> (Colby, Columbia, Maine), September-December 2003  
*Visiting Instructor in Administrative Science*

SHARI ULDRICH DUNHAM, Ph.D.<sup>2</sup> (Drew, MIT), 1998-  
*Dr. Gerald and Myra Dorros Assistant Professor of Biochemistry*

STEPHEN ULDRICH DUNHAM, Ph.D.<sup>2</sup> (Hamline, Montana State), 1998-  
*Dr. Gerald and Myra Dorros Assistant Professor of Biochemistry*

BEVIN L. ENGMAN, M.F.A. (William and Mary, Portland School of Art, Pennsylvania), 1996-  
*Associate Professor of Art*

MARGARET D. ERICSON, M.L.S. (Florida State), 1998-  
*Faculty Member without Rank: Art and Music Librarian*

SARAH ESTOW, Ph.D.<sup>1</sup> (Wesleyan, Tufts), 2001-2004  
*Visiting Assistant Professor of Psychology*

BEN W. FALLAW, Ph.D. (North Carolina at Chapel Hill, Chicago), 2000-  
*Assistant Professor of History and Latin American Studies*

BARRY M. FARBER, M.B.A.<sup>1</sup> (Purdue, UCLA), 1995-  
*Visiting Assistant Professor of Administrative Science*

JOSEPH A. FEELY, M.Arch. (Williams, Washington), 1995-  
*Visiting Assistant Professor of Art; Supervisor of Special Projects/Architect*

FRANK A. FEKETE, M.A. '96, Ph.D. (Rhode Island, Rutgers), 1983-  
*Professor of Biology*

DAVID W. FINDLAY, M.A. '99, Ph.D. (Acadia [Canada], Purdue), 1985-  
*Pugh Family Professor of Economics*

DAVID H. FIRMAGE, M.A. '88, Ph.D. (Brigham Young, Montana), 1975-  
*Clara C. Piper Professor of Environmental Studies*



JAMES R. FLEMING, M.A. '02, Ph.D. (Pennsylvania State, Colorado State, Princeton), 1988-

*Professor of Science, Technology, and Society*

PATRICE M. FRANKO, M.A. '00, Ph.D. (Bucknell, Notre Dame), 1986-

*Grossman Professor of Economics*

MARISELA A. FUNES, Ph.D. (Illinois at Urbana, St. Louis, Illinois at Urbana), 2002-

*Assistant Professor of Spanish*

ROBERT A. GASTALDO, M.A. '99, Ph.D. (Gettysburg, Southern Illinois), 1999-

*Whipple-Coddington Professor of Geology*

DAVIDA GAVIOLI, Ph.D.<sup>1</sup> (University of Bergamo [Italy], Pennsylvania State), March-May 2002; September-December 2004

*Visiting Assistant Professor of Italian*

CHERYL TOWNSEND GILKES, M.A. '00, Ph.D. (Northeastern), 1987-

*John D. and Catherine T. MacArthur Professor of Sociology and African-American Studies*

ROBERT A. GILLESPIE, Ph.D. (Cornell, Iowa), 1971-77, 1982-

*Associate Professor of English; College Editor*

HEIDI M. GODOMSKY, M.A. (William and Mary, Trinity), 1993-

*Adjunct Assistant Professor of Physical Education and Athletics*

MARK GODOMSKY, B.A. (Bates), 1998-

*Adjunct Assistant Professor of Physical Education and Athletics*

JILL P. GORDON, M.A. '04, Ph.D. (Claremont McKenna, Brown, Texas at Austin), 1991-

*Professor of Philosophy*

FERNANDO Q. GOUVÊA, M.A. '01, Ph.D. (Universidade de Sao Paulo [Brazil], Harvard), 1991-

*Professor of Mathematics*

ARTHUR D. GREENSPAN, M.A. '91, Ph.D. (Columbia, Indiana), 1978-

*Professor of French*

PAUL G. GREENWOOD, M.A. '04, Ph.D. (Knox, Florida State), 1987-

*Professor of Biology and Dr. Charles C. and Pamela W. Leighton Research Fellow*

CHRISTIANE GUILLOIS, Ph.D.<sup>1</sup> (Universite de Paris [France]), 1993-

*Visiting Assistant Professor of French and Italian*

CLEMENT P. GUTHRO, M.L.S. (Manitoba [Canada], Point Loma Nazarene, Western Ontario [Canada]), 2003-

*Faculty Member without Rank: Director of the Colby Libraries*

JONATHAN F. HALLSTROM, Ph.D. (Oregon State, Iowa), 1984-

*Associate Professor of Music*

LYNN HANNUM, Ph.D. (Bates, Yale), 2001-

*Clare Boothe Luce Assistant Professor of Biology*

NATALIE B. HARRIS, Ph.D. (Indiana), 1978-1980, 1982-1985, 1986-  
*Associate Professor of English*

PETER B. HARRIS, M.A. '89, Ph.D. (Middlebury, Indiana), 1974-  
*Zacamy Professor of English*

WALTER F. HATCH, Ph.D. (Macalester, Washington), 2002-  
*Assistant Professor of Government*

PATRICIA B. HELM, M.A.<sup>1</sup> (Colorado College, Pennsylvania), 1990-1991, 1995-2004  
*Assistant Professor of Music*

CHARLES HOLLY, Ph.D.<sup>1</sup> (Western Michigan, Illinois at Urbana-Champaign), February-May 2004  
*Visiting Assistant Professor of Mathematics*

JAN É. HOLLY, Ph.D. (New Mexico, Illinois), 1996-  
*Associate Professor of Mathematics*

ABIGAIL M. HOLMAN, J.D.<sup>1</sup> (Puget Sound, Maine School of Law), September-December 2003  
*Visiting Assistant Professor of Environmental Studies*

SUSAN E. HOLMES, Ph.D.<sup>1</sup> (Swarthmore, Johns Hopkins), 2002; February-May 2004  
*Visiting Assistant Professor of Biology*

JENNIFER L. HOLSTEN '90, M.Ed. (Colby, Springfield), 1995-  
*Adjunct Associate Professor of Physical Education and Athletics*

KENNETH R. JAMES, M.F.A.<sup>1</sup> (Cornell, Michigan, Temple), September-December 2003  
*Visiting Assistant Professor of English*

ERIK N. JENSEN, Ph.D. (Harvard, Wisconsin at Madison), 2003-2004  
*Visiting Assistant Professor of History*

RUSSELL R. JOHNSON, Ph.D. (Colorado College, Washington State), 1996-  
*Associate Professor of Biology*

RANDOLPH M. JONES, Ph.D.<sup>2</sup> (UCLA, California at Irvine), 1998-  
*Assistant Professor of Computer Science*

PAUL R. JOSEPHSON, Ph.D. (Antioch, Harvard, MIT), 2000-  
*Associate Professor of History*

JEFFREY L. KASSER, Ph.D. (Rice, Michigan), 1998-2004  
*Visiting Assistant Professor of Philosophy*

JANICE ARMO KASSMAN, M.A. (SUNY at Stony Brook, Boston College), 1974-  
*Faculty Member without Rank: Vice President for Student Affairs and Dean of Students*

JEFFREY L. KATZ, Ph.D. (Pennsylvania, Harvard), 2002-  
*Assistant Professor of Chemistry*

TONI D. KATZ, M.S. (Maine at Portland, Simmons), 1983-  
*Faculty Member without Rank: Assistant Director of Technical Services, Colby Libraries*

JOSHUA KAVALER, Ph.D. (Haverford, Pennsylvania), 2004-  
*Assistant Professor of Biology*

SUSAN MCILVAINE KENNEY, M.A. '86, Ph.D.<sup>1</sup> (Northwestern, Cornell), 1968-  
*Dana Professor of Creative Writing*

SAKHI KHAN, M.A. (Tufts, Harvard), 2001-  
*Adjunct Instructor in Physical Education and Athletics*

HEIDI J. KIM, M.A.<sup>1</sup> (Brown, UCLA), September-December, 2002; 2004-  
*Visiting Instructor in Sociology*

R. KELLER KIMBROUGH, Ph.D. (Colorado, Columbia, Yale), 2001-  
*Assistant Professor of East Asian Studies [Japanese]*

D. WHITNEY KING, M.A. '02, Ph.D. (St. Lawrence, Rhode Island), 1989-  
*Dr. Frank and Theodora Miselis Professor of Chemistry*

LI QING KINNISON, Ph.D. (Inner Mongolian [China], Capital Normal [China], Azusa Pacific, Michigan State), 2002-2004  
*Visiting Assistant Professor of East Asian Studies [Chinese]*

THORNTON C. KLINE III, Ph.D.<sup>1</sup> (Dartmouth, Chicago, Stanford), September-December 2004  
*Visiting Assistant Professor of Philosophy*

KAREN KUSIAK '75, M.Ed.<sup>1</sup> (Colby, Lesley)  
*Assistant Professor of Education*

GEORGE T. LADD, Ph.D. (Massachusetts at Amherst, Boston College), 2002-  
*Visiting Assistant Professor of Psychology*

CHARLES R. LAKIN, M.L.S. (U.S. Naval Academy, Iowa), 1985-  
*Faculty Member without Rank: Reference Librarian*

STACEY L. LANCE, Ph.D.<sup>1</sup> (Connecticut, Maryland), 2002-  
*Visiting Assistant Professor of Biology*

ELIZABETH D. LEONARD, Ph.D. (College of New Rochelle, California at Riverside), 1992-  
*John J. and Cornelia V. Gibson Chair in History*

ALISON J. MURRAY LEVINE, Ph.D. (Haverford, Bryn Mawr, Virginia), 2003-  
*Visiting Assistant Professor of French and Italian*

EVA LINFIELD, Ph.D. (Wellesley, Brandeis), 1993-  
*Associate Professor of Music*

LEO LIVSHITS, Ph.D. (Waterloo [Canada], Toronto [Canada]), 1994-  
*Associate Professor of Mathematics*

JASON M. LONG, Ph.D. (Wheaton, Northwestern), 2002-  
*Assistant Professor of Economics*

VIRGINIA C. LONG, Ph.D. (Williams, North Carolina), 2000-  
*Clare Boothe Luce Assistant Professor of Physics*

KATHARINE J. LUALDI, Ph.D.<sup>1</sup> (Pennsylvania), September-December 1999; 2003  
*Visiting Assistant Professor of History*

HOWARD N. LUPOVITCH, Ph.D. (Michigan, Columbia), 1998-  
*Pulver Family Assistant Professor of Jewish Studies*

SHARON E. LYNN, Ph.D. (South Carolina, Washington), 2002-2004  
*Visiting Assistant Professor of Biology*

PAUL S. MACHLIN, M.A. '87, Ph.D. (Yale, California at Berkeley), 1974-  
*The Arnold Bernhard Professor of Arts and Humanities, Professor of Music*

G. CALVIN MACKENZIE, M.A. '86, Ph.D. (Bowdoin, Tufts, Harvard), 1978-  
*The Goldfarb Family Distinguished Professor of American Government; Vice President for Development and Alumni Relations, 1985-1988*

L. SANDY MAISEL, M.A. '83, Ph.D. (Harvard, Columbia), 1971-  
*William R. Kenan Jr. Professor of Government; Director of the Colby in Washington Program, 1987-1994, 1995-; Director, Goldfarb Center for Public Affairs and Civic Engagement, 2003-*

CARLEEN R. MANDOLFO, Ph.D. (California State at San Francisco, Jesuit School of Theology, Emory), 2002-  
*Assistant Professor of Religious Studies*

PHYLLIS F. MANNOCCI, M.A. '96, Ph.D. (Pennsylvania, Columbia), 1977-  
*Professor of English*

KASHIF S. MANSORI, Ph.D. (Wesleyan, Princeton), 1997-  
*Assistant Professor of Economics*

MERIWYNN G. MANSORI, Ph.D.<sup>1</sup> (Mount Holyoke, Johns Hopkins), 1995-  
*Visiting Assistant Professor of Spanish*

JOSEPH A. MARCHAL, Th.M. (Notre Dame, Harvard Divinity School), 2004-  
*Visiting Instructor in Religious Studies*

MICHAEL A. MARLAIS, M.A. '95, Ph.D. (St. Mary's of California, California at Hayward, Michigan), 1983-  
*James M. Gillespie Professor of Art*

D. BENJAMIN MATHES, M.A. '03, Ph.D. (Middlebury, New Hampshire), 1990-  
*Professor of Mathematics*

HARRIETT MATTHEWS, M.A. '84, M.F.A. (Sullins Junior, Georgia), 1966-  
*Professor of Art*

TILAR J. MAZZEO, Ph.D. (New Hampshire, Washington), 2004-  
*Assistant Professor of English*



BRENDA MCALEER, Ph.D.<sup>1</sup> (St. Mary's College, Vermont College, Walden), September-December 2003; 2004

*Visiting Assistant Professor of Administrative Science*

ROBERT L. MCARTHUR, M.A. '83, Ph.D. (Villanova, Temple), 1972-  
*Professor of Philosophy; Dean of Admissions and Financial Aid, 1982-1985; Vice President for Academic Affairs and Dean of Faculty, 1988-1998; Christian A. Johnson Professor of Integrative Liberal Learning*

SHEILA M. MCCARTHY, Ph.D.<sup>1</sup> (Emmanuel, Harvard, Cornell), 1987-  
*Associate Professor of Russian*

KENT A. MCCONNELL, Ph.D. (Westminster, Yale, Princeton Theological Seminary, Virginia), 2003-2004  
*Visiting Instructor in Religious Studies*

MARGARET T. MCFADDEN, Ph.D. (Wells, Duke, Yale), 1996-  
*Associate Professor of American Studies*

PATRICK MCGUINN, Ph.D. (Franklin and Marshall, Virginia), 2004-  
*Visiting Assistant Professor of Government*

MICHAEL C. MCGUIRE '89, M.L.S. (Colby, Syracuse), 2000-  
*Faculty Member without Rank: Systems/Reference Librarian*

JAMES R. MCINTYRE, Ph.D.<sup>1</sup> (Michigan State), 1976-  
*Associate Professor of German; Director of Career Services, 1982-1991*

WESLEY C. MCNAIR, M.Litt.<sup>1</sup> (Keene State, Middlebury), February 2000-May 2004  
*Visiting Professor of English*

MARK L. MCPHERRAN, Ph.D.<sup>1</sup> (California at Santa Cruz, California at Santa Barbara), September-December 2002; 2003; 2004  
*Visiting Professor of Philosophy*

JAMES W. MEEHAN JR., M.A. '82, Ph.D. (Saint Vincent, Boston College), 1973-  
*Herbert E. Wadsworth Professor of Economics*

MARGARET P. MENCHEN, M.L.S. (Southampton [England], Maine), 1989-  
*Faculty Member without Rank: Assistant Director for Public Services, Colby Libraries*

EDWARD J. MESTIERI, M.Ed. (Springfield, Norwich), 1989-  
*Adjunct Associate Professor of Physical Education and Athletics*

JULIE T. MILLARD, M.A. '04, Ph.D. (Amherst, Brown), 1991-  
*J. Warren Merrill Professor of Chemistry*

LUIS MILLONES, Ph.D. (Pontificia Universidad Catolica [Peru], Stanford), 1998-  
*Associate Professor of Spanish*

DAVID H. MILLS '57, M.A. (Colby, Illinois, Harvard), 1980-1981, 1984-  
*Adjunct Assistant Professor of English for Speech and Debate*

MARY ELIZABETH MILLS, Ph.D. (Western Ontario [Canada], California at Berkeley), 1992-

*Associate Professor of Anthropology*

GARRY J. MITCHELL, M.F.A.<sup>1</sup> (Hawaii at Honolulu, Pratt Institute), 1996-1998, 1999-

*Assistant Professor of Art*

MICHAEL MADSEN MORGAN, B.A. (St. Mary's College of California), 2003-

*Adjunct Assistant Professor of Athletics and Physical Education*

MARIO MORONI, Ph.D. (University of Rome [Italy], Northwestern), 2001-

*Paul and Marilyn Paganucci Assistant Professor of Italian Language and Literature*

THOMAS J. MORRIONE '65, M.A. '85, Ph.D. (Colby, New Hampshire, Brigham Young), 1971-

*Charles A. Dana Professor of Sociology*

MARIA K. MORRISON, M.A.<sup>1</sup> (Princeton, Virginia), 2001-

*Assistant Professor of German*

JANE M. MOSS, M.A. '90, Ph.D. (Wellesley, Yale), 1979-

*Robert E. Diamond Professor of Women's Studies, Professor of French*

RICHARD J. MOSS, M.A. '90, Ph.D. (Michigan), 1978-

*John J. and Cornelia V. Gibson Professor of History*

MICHIKO NAKAGAWA, M.A. (Aoyama Gakuin [Japan], Iowa), 2004-

*Visiting Instructor in East Asian Studies*

ELISA M. NARIN VAN COURT, Ph.D. (California at Berkeley), 1996-

*Associate Professor of English*

BARBARA KUCZUN NELSON '68, M.A.<sup>1</sup> (Colby, Middlebury), 1978-

*Assistant Professor of Spanish*

RANDY A. NELSON, M.A. '90, Ph.D. (Northern Illinois, Illinois), 1987-

*Douglas Professor of Economics and Finance*

ROBERT E. NELSON, M.A. '96, Ph.D. (San Francisco State, Washington), 1982-

*Professor of Geology*

CHERYL TSCHANZ NEWKIRK, D.M.A. (Indiana, SUNY at Stony Brook), 1991-

*Adjunct Associate Professor of Music*

DAVID L. NUGENT, M.A. '04, Ph.D. (Michigan, Columbia), 1989-

*Professor of Anthropology*

STEVEN R. NUSS, Ph.D. (Wisconsin at Madison, CUNY), February 1996-

*Associate Professor of Music*

PHILIP NYHUS, Ph.D. (St. Olaf, Wisconsin at Madison), 1999-2001; 2004-

*Assistant Professor of Environmental Studies*

LIAM O'BRIEN, Ph.D. (Colorado School of Mines, Harvard), 2003-  
*Assistant Professor of Mathematics*

PATRICIA O'BRIEN, M.Ed. (Salem State), 1995-  
*Adjunct Assistant Professor of Physical Education and Athletics*

JORGE OLIVARES, M.A. '93, Ph.D. (Miami [Florida], Michigan), 1982-  
*Allen Family Professor of Latin American Literature*

KERILL N. O'NEILL, Ph.D. (Trinity College [Dublin, Ireland], Cornell), 1992-  
*Taylor Associate Professor of Classics*

PATRICIA A. ONION, M.A. '00, Ph.D.<sup>1</sup> (Connecticut College, Harvard), 1974-  
*Professor of English*

JASON M. OPAL, Ph.D. (Cornell, Brandeis), 2003-  
*Assistant Professor of History and George C. Wiswell Jr. Research Fellow*

LAURIE E. OSBORNE, M.A. '03, Ph.D. (Yale, Syracuse), 1990-  
*Professor of English*

CHANTHOL OUNG, LL.M.<sup>1</sup> (Hong Kong [China]), August-December 2004  
*Faculty Member without Rank: Oak Human Rights Fellow*

ADRIANNA M. PALIYENKO, M.A. '04, Ph.D. (Boston University, North Carolina at Chapel Hill), 1989-  
*Professor of French*

CANDICE B. PARENT, B.S. (Maine at Farmington), 1998-  
*Adjunct Assistant Professor of Physical Education and Athletics*

DEE PEPPE, M.F.A.<sup>1</sup> (SUNY at New Paltz, Savannah College of Art and Design), 1999-  
*Assistant Professor of Art*

RAYMOND B. PHILLIPS, Ph.D. (Pomona, California at Berkeley), 1984-  
*Assistant Professor of Biology; Director of Information Technology Services*

THANE S. PITTMAN, M.A. '04, Ph.D. (Kent State, Iowa), 2004-  
*Professor of Psychology*

VÉRONIQUE B. PLESCH, Ph.D. (Swiss Maturite Federale [Switzerland], University of Geneva [Switzerland], Princeton), 1994-  
*Associate Professor of Art*

SANDOR POLSTER, M.A. (Ohio State, State University of Iowa), September-December 2004  
*Visiting Instructor in Government*

SARA L. PRAHL, M.A.<sup>1</sup> (Oberlin, Iowa), 2004-  
*Faculty Member without Rank: Reference Librarian*

DAVID W. PRATT, Ph.D.<sup>1</sup> (Princeton, California at Berkeley), February-May 2005  
*Visiting Assistant Professor of Chemistry*

TAMAE K. PRINDLE, M.A. '98, Ph.D. (SUNY at Binghamton, Washington State, Cornell), 1985-

*Oak Professor of East Asian Language and Literature [Japanese]*

MARILYN R. PUKKILA, M.L.S.<sup>1</sup> (Michigan, Aberystwyth [Wales], Columbia), March 1984-  
*Faculty Member without Rank: Reference Librarian*

ROBERT P. QUINN, B.A. (Westfield State), 2001-  
*Adjunct Assistant Professor of Physical Education and Athletics*

TARJA RAAG, Ph.D. (Skidmore, Indiana), 1995-  
*Associate Professor of Psychology*

JASON READ, Ph.D. (Hampshire, SUNY at Binghamton), 2004-  
*Visiting Assistant Professor of Philosophy*

SCOTT H. REED III, M.F.A.<sup>1</sup> (South Florida, Rhode Island School of Design), February 1987-  
*Associate Professor of Art*

LEONARD S. REICH, M.A. '95, Ph.D. (Bucknell, Johns Hopkins), February 1996-  
*Professor of Administrative Science and Science, Technology, and Society*

CLIFFORD E. REID, M.A. '89, Ph.D. (George Washington, Princeton), 1987-  
*Dana Professor of Economics*

URSULA REIDEL-SCHREWE, Ph.D. (Harvard), 1989-  
*Associate Professor of German*

DOUGLAS E. REINHARDT '71, M.B.A. (Colby, Babson), 1972-  
*Faculty Member without Rank: Associate Vice President for Investments*

JOSEPH R. REISERT, Ph.D. (Princeton, Harvard), 1997-  
*Harriet S. Wiswell and George C. Wiswell Jr. Associate Professor of American Constitutional Law*

CATHERINE A. RIIHIMAKI, B.A.<sup>1</sup> (Williams), September 2003-January 2004  
*Visiting Instructor in Geology*

POLINA RIKOUN, B.A. (California at Berkeley), 2003-2004  
*Visiting Assistant Professor of German and Russian*

KENNETH A. RODMAN, M.A. '98, Ph.D. (Brandeis, MIT), 1989-  
*William R. Cotter Distinguished Teaching Professor of Government*

NICHOLAS L. ROHRMAN, M.A. '77, Ph.D. (Butler, Miami [Ohio], Indiana), 1977-  
*Professor of Psychology*

HANNA M. ROISMAN, M.A. '94, Ph.D. (Tel Aviv [Israel], Washington at Seattle), 1990-  
*Professor of Classics*

JOSEPH ROISMAN, M.A. '94, Ph.D. (Tel Aviv [Israel], Washington at Seattle), 1990-  
*Professor of Classics*



DAVID ROMANO, Ph.D. (Oberlin, California at Berkeley), 2003-2004  
*Visiting Assistant Professor of Mathematics*

BILL F. ROORBACH, M.F.A.<sup>1</sup> (Ithaca, Columbia), September-December 2001; 2003  
*Visiting Associate Professor of English*

DANIEL G. ROSENFELD, M.A. '03, Ph.D. (Johns Hopkins, Stanford), 2002-  
*Professor of Art; Carolyn Muzzy Director of the Colby College Museum of Art*

REBECCA J. ROWE, Ph.D.<sup>1</sup> (Maine, Akron), 2003-  
*Visiting Assistant Professor of Chemistry*

ANINDYO ROY, Ph.D. (Delhi [India], Illinois, Texas at Arlington), 1995-  
*Associate Professor of English*

BRUCE F. RUEGER, Ph.D. (Salem State, Colorado), 2003-  
*Visiting Assistant Professor of Geology; Senior Teaching Associate*

RICHARD RUSSO, M.F.A.<sup>1</sup> (Arizona), 1991-1996, February-May 2004  
*Visiting Professor of English*

IRA SADOFF, M.A. '88, M.F.A.<sup>1</sup> (Cornell, Oregon), 1977-  
*Arthur Jeremiah Roberts Professor of Literature*

ELIZABETH H. SAGASER, Ph.D. (Brown, Brandeis), 1994-  
*Associate Professor of English*

KATHERINE R. ST. CLAIR, B.S. (Minnesota at Duluth), 2004-  
*Clare Boothe Luce Assistant Professor of Mathematics*

LAURA SALTZ, Ph.D. (Chicago, Yale), 2001-  
*Assistant Professor of Art and American Studies*

YVONNE SANAVITIS, Ph.D. (Puerto Rico, New York, Puerto Rico), 1996-  
*Associate Professor of Spanish*

JEAN DONOVAN SANBORN, M.A. '97, Ph.D.<sup>1</sup> (Mount Holyoke, Harvard, Union for  
Experimenting Colleges and Universities), 1984-2005  
*Professor of English; Director of the Farnham Writers' Center*

BETTY G. SASAKI, Ph.D. (California at Santa Barbara, California at Berkeley), 1991-  
*Associate Professor of Spanish*

STEVEN E. SAUNDERS, M.A. '04, Ph.D. (Carnegie-Mellon, Pittsburgh), 1990-  
*Professor of Music*

RAFFAEL M. SCHECK, Ph.D. (Kantonsschule Wettingen [Switzerland], Universitat Zurich  
[Switzerland], Brandeis), 1994-  
*Associate Professor of History*

PAMELA SCOFIELD<sup>1</sup> (Boston University), 2000-2001; 2003-2004  
*Faculty Member without Rank: Visiting Costume Designer*

RICHARD C. SEWELL, M.A., 1974-2003, 2004-

*Adjunct Associate Professor of Theater and Dance, Emeritus; Director of Powder and Wig, Emeritus; Irving D. Suss Visiting Guest Artist; Visiting Adjunct Associate Professor of Theater and Dance*

THOMAS W. SHATTUCK, M.A. '00, Ph.D. (Lake Forest, California at Berkeley), 1976-  
*Professor of Chemistry*

JENNIFER D. SHOSA, Ph.D. (Hobart and William Smith, Syracuse, Cornell), 2000-  
*Clare Boothe Luce Assistant Professor of Geology*

ANDRÉ N. SIAMUNDELE, Ph.D. (University of Zaire [Congo], Yale), 2000-  
*Assistant Professor of French*

DAVID L. SIMON, M.A. '88, Ph.D. (Boston University, London [England]), 1981-  
*Jetté Professor of Art*

NIKKY-GUNINDER K. SINGH, M.A. '99, Ph.D. (Wellesley, Pennsylvania, Temple), 1986-  
*Crawford Family Professor of Religion*

DALE J. SKRIEN, M.A. '97, Ph.D. (Saint Olaf, Washington), 1980-  
*Professor of Computer Science*

PETER SLY, J.D.<sup>1</sup> (Stanford, Yale), 2003-2004  
*Visiting Assistant Professor of Environmental Studies*

MARC L. SMITH, Ph.D. (Central Florida), 2001-  
*Assistant Professor of Computer Science*

HUMPHREY SORENSEN, M.S.<sup>1</sup> (University College [Ireland], SUNY at Stony Brook),  
January-May 2004  
*Visiting Professor of Computer Science*

DEBRA A. SPARK, M.A. '03, M.F.A.<sup>1</sup> (Yale, Iowa), 1995-  
*Professor of English*

SUSAN STERLING, Ph.D.<sup>1</sup> (Wellesley, California), 1988; 1993-1997; 1999-2001; 2004  
*Visiting Assistant Professor of English*

ELISABETH F. STOKES, M.F.A.<sup>1</sup> (Smith, Massachusetts at Amherst), 2001-  
*Visiting Instructor in English*

STEWART M. STOKES, M.A. (Massachusetts at Amherst, Trinity), 2000-  
*Adjunct Assistant Professor of Athletics and Physical Education*

JUDY L. STONE, Ph.D. (Michigan, Yale, SUNY at Stony Brook), 1999-  
*Clare Boothe Luce Assistant Professor of Biology*

MARITZA STRAUGHN-WILLIAMS, Ph.D. (Pace, CUNY), 1999-  
*Assistant Professor of Anthropology and African-American Studies*

KATHERINE M. STUBBS, Ph.D. (Swarthmore, Duke), 1996-  
*Associate Professor of English*

DAVID B. SUCHOFF, M.A. '02, Ph.D. (California at Berkeley), 1993-  
*Professor of English*

MARK B. TAPPAN, Ed.D.<sup>2</sup> (Oberlin, Ohio State, Harvard), 1991-  
*Associate Professor of Education*

DUNCAN A. TATE, Ph.D. (Oxford [England]), 1992-  
*Associate Professor of Physics*

LINDA TATELBAUM, M.A. '04, Ph.D.<sup>1</sup> (Cornell), 1982-  
*Professor of English*

LARISSA J. TAYLOR, Ph.D. (Harvard, Brown), 1994-  
*Associate Professor of History*

DASAN M. THAMATTOOR, Ph.D. (Government Arts and Science College [India], Karnatak  
[India], Princeton), 1999-  
*Assistant Professor of Chemistry*

PAMELA S. THOMA, Ph.D. (Ohio State, Colorado State, Colorado at Boulder), 1996-  
*Assistant Professor of American Studies and Women's, Gender, and Sexuality Studies*

JENNIFER J. THORN, Ph.D. (SUNY at Binghamton, Columbia), 2003-  
*Assistant Professor of English*

JAMES C. THURSTON, M.F.A. (Ohio Wesleyan, Northwestern), 1988-  
*Adjunct Associate Professor of Theater and Dance*

THOMAS H. TIETENBERG, M.A. '84, Ph.D. (USAF Academy, University of the East in  
the Philippines, Wisconsin), 1977-  
*Mitchell Family Professor of Economics*

ANDREA R. TILDEN, Ph.D. (Alma, Oklahoma), 1999-  
*Clare Boothe Luce Assistant Professor of Biology*

JAMES TORTORELLA, B.S. (Maine), 1996-  
*Adjunct Associate Professor of Physical Education and Athletics*

DAVID M. VENDITTI, B.A. (Southern Maine), 2004-  
*Adjunct Assistant Professor of Athletics and Physical Education*

JAMES L.A. WEBB JR., M.A. '03, Ph.D. (Johns Hopkins), 1987-  
*Professor of History*

ROBERT S. WEISBROT, M.A. '90, Ph.D. (Brandeis, Harvard), 1980-  
*Christian A. Johnson Distinguished Teaching Professor of History*

JONATHAN M. WEISS, M.A. '86, Ph.D. (Columbia, Yale), 1972-  
*NEH Class of 1940 Distinguished Professor of Humanities, French; Associate Dean of Faculty and  
Director of Off-Campus Study, 1991-2000*

ANKENEY WEITZ, Ph.D. (Cornell, Kansas), 1998-  
*Assistant Professor of Art and East Asian Studies*

GEORGE A. WELCH, Ph.D. (Cornell, Vermont, Alaska, Dartmouth), 1992-  
*Associate Professor of Mathematics*

CHRISTINE M. WENTZEL, M.A. '94, M.A. (Massachusetts, Michigan), 1973-  
*Adjunct Professor of Theater and Dance*

JONATHAN M. WHITE, Ph.D. (Brandeis, Boston College), 2000-2002; 2003-  
*Assistant Professor of Sociology*

RICHARD L. WHITMORE JR., M.A. '90, M.Ed. (Bowdoin, Maine), 1970-  
*Adjunct Professor of Physical Education; Director of Athletics, 1987-2002*

W. HERBERT WILSON JR., M.A. '02, Ph.D. (North Carolina, Johns Hopkins), 1990-  
*Leslie Brainerd Arey Professor of Biosciences*

JOYLYNN W.D. WING, M.A. '04, Ph.D. (San Francisco State, Stanford), 1988-  
*Professor of Theater and Dance*

DIANE S. WINN, M.A. '89, Ph.D. (Miami [Ohio], Brandeis), 1974-  
*Professor of Psychology*

W. ARNOLD YASINSKI, M.A. '90, Ph.D. (Indiana at Bloomington, Michigan, Indiana at  
Bloomington), 1990-  
*Professor of English; Administrative Vice President and Treasurer*

JENNIFER R. YATES, Ph.D.<sup>1</sup> (Dayton, North Carolina), 2003-  
*Visiting Assistant Professor of Psychology*

EDWARD H. YETERIAN, M.A. '91, Ph.D. (Trinity, Connecticut), 1978-  
*Audrey Wade Hittinger Katz and Sheldon Toby Katz Distinguished Teaching Professor of  
Psychology; Vice President for Academic Affairs and Dean of Faculty, 1998-*

JENNIFER A. YODER, Ph.D. (Akron, Maryland), 1996-  
*Associate Professor of Government and International Studies*

MARCELLA K. ZALOT, M.S. (Smith, Massachusetts at Amherst), 1997-  
*Faculty Member without Rank; Director of Athletics*

HONG ZHANG, Ph.D. (Huazhong Normal [China], Wuhan [China], Columbia), 1995-  
1999, 2000-  
*Assistant Professor of East Asian Studies [Chinese]*

<sup>1</sup>Part time.

<sup>2</sup>Professors Lyn Brown and Mark Tappan share a joint appointment; Professors Shari  
Dunham and Stephen Dunham share a joint appointment; Professors Clare Congdon  
and Randolph Jones share a joint appointment.

## **Faculty Sabbaticals, Leaves, and Directors of Colby Programs Abroad 2004-2005**

### **Semester I**

Natalie Harris, English

Leo Livshits, Mathematics

Mark Godomsky, Physical Education and Athletics (partial Semester I)

Marilyn Pukkila, Reference Librarian



### **Semester II**

Tracey Cote, Physical Education and Athletics

Michael Donihue, Economics

Mark Godomsky, Physical Education and Athletics (partial Semester II)

Margaret Menchen, Reference Librarian

### **Full Year**

Rebecca Conry, Chemistry

Lynn Hannum, Biology

D. Whitney King, Chemistry

Eva Linfield, Music

G. Calvin Mackenzie, Government

Carleen Mandolfo, Religious Studies

Jane Moss, French and Italian

Véronique Plesch, Art

Tamae Prindle, East Asian Studies

Nicholas Rohrman, Psychology

Laura Saltz, Art

Marc Smith, Computer Science

Thomas Tietenberg, Economics

Robert Weisbrot, History

George Welch, Mathematics

Jonathan White, Sociology

### **Calendar-Year Leave**

Mario Moroni, Italian

### **Half-Year Terminal Leave, Semester II**

Tom Austin, Physical Education and Athletics

### **Leave Without Pay, Semester I**

Anthony Corrado, Government

### **Full-Year Leave Without Pay**

Howard Lupovitch, History and Jewish Studies

### **Full-Year Terminal Leaves**

Richard Moss, History

Jean Sanborn, English

### **Colby Programs Abroad**

Andrew Brown, Colby in Cork

Michael Burke, English, CBB Cape Town (Semester II)

Martha Denney, Education and Off-Campus Study, Colby in Dijon (Semester I)

Robert Gastaldo, Geology, CBB Cape Town (Semester II)

Joseph Reisert, Government, CBB London (Semester I)

Ira Sadoff, English, CBB London (Semester II)

### **Applied Music Associates**

JULIA ADAMS, M.A., 1986-

*Artist in Residence in Music*

MESSAN JORDAN BENISSAN, Master Drummer, 1999-

*African Drumming*

RICHARD BISHOP, 1993-  
*Bass Guitar*

ANGELA CAPPS, M.M., 1995-  
*Bassoon*

MARY JO CARLSEN, B.Mus., 1985-  
*Violin, Concertmistress*

CARL DIMOW, B.Mus., 1981  
*Guitar*

ANNABETH FRENCH, 1996-  
*Voice*

SUZANNE GEORGE, January 2000-  
*French Horn*

LOUIS O. HALL, Ed.D., 1999-  
*Oboe*

SEBASTIAN JEROSCH, 2000-  
*Trombone*

STEPHEN KECSKEMETHY, D.Mus., 1986-  
*Artist in Residence in Music*

RONALD P. LANTZ, D.Mus., 1986-  
*Artist in Residence in Music*

MARK LEIGHTON, M.A., 1981-  
*Classical Guitar*

GAYLE MAROON, B.Mus., 1995-  
*Piano*

ELIZABETH E. PATCHES, M.M., 1992-  
*Voice*

JOHANNE L. PATENAUDE, 1997-  
*Piano*

PAUL ROSS, Artist's Diploma, 1986-  
*Artist in Residence in Music*

ERIC B. THOMAS, B.Mus., 1998-  
*Director of Band Activities*

JOANN WESTIN, February 1996-  
*Piano*

### **Marshals**

BEVIN ENGMAN, M.F.A.  
DUNCAN TATE, D.Phil.  
*College Marshals*

DEBRA A. BARBEZAT, Ph.D.  
*Faculty Marshal*

SALLY BAKER, A.B.  
*Platform Marshal*

**Research Associates**

GAIL CARLSON, Ph.D., 2004-  
*Research Scientist in Environmental Studies*

**Associates and Assistants**

COLLEEN J. BURNHAM, B.A., 1992-  
*Teaching Associate in Psychology*

ELIZABETH S. CHAMPLIN '65, M.S., 1971-  
*Senior Teaching Associate in Biology*

TIMOTHY J. CHRISTENSEN, B.S., 1985-  
*Senior Teaching Associate in Biology*

LINDSEY W. COLBY, M.S., 1986-  
*Senior Teaching Associate in Biology*

JOHN D. ERVIN, M.A., 1989-  
*Technical Director, Theater and Dance*

BRENDA L. FEKETE, B.S., 1996-  
*Teaching Associate in Chemistry*

SCOTT L. GUAY, M.A., 1993-  
*Teaching Associate in Biology*

CHARLES W. JONES, H, 1998-  
*Instrument Maintenance Technician*

ELIZABETH KANE KOPP, M.S., 2004-  
*Environmental Studies Coordinator*

DEBORAH S. KREISS, Ph.D., 2002-2004  
*Teaching Assistant in Chemistry, Visiting Assistant Professor of Chemistry*

LISA M. LESSARD, B.A., 2000-  
*Teaching Assistant in Physics and Astronomy*

JEAN P. MCINTYRE, B.A., 1976-2004  
*Senior Teaching Associate in Chemistry*

LISA M. MILLER, M.S., 1999-  
*Teaching Associate in Chemistry*

BRUCE F. RUEGER, Ph.D., 1984-  
*Senior Teaching Associate, Visiting Assistant Professor of Geology*

AUSTIN SEGEL, M.A., 1986-  
*Animal Care Technician in Biology*

DANIEL C. TIERNEY, M.S., 2001-  
*Teaching Assistant in Biology*

SHARON ANGLIN TREAT, J.D., 2000-2004  
*Environmental Studies Coordinator*

### **Fellows and Interns**

JOSEPH E. ATKINS, M.A., 2002-  
*Faculty Fellow in Psychology*

FABIOLA BIANCHI, B.A., 2003-2004  
*Language Assistant in Italian*

FONG-LING CHANG, B.A., 2004-2005  
*Language Assistant in Chinese*

I-CHUNG CHANG, M.A., 2003-2004  
*Language Assistant in East Asian Studies [Chinese]*

BRETT S. FADEM, B.A., 2002-2004  
*Faculty Fellow in Physics and Astronomy*

DERICK A. FAY, M.A., 2003-2004  
*Faculty Fellow in Anthropology*

VANINA GERE, 2004-  
*Language Assistant in French*

BARBARA M. HABERMANN, 2003-2004  
*Language Assistant in German*

MALCOLM ADAM HOWARD, Ph.D., 2003-2004  
*Faculty Fellow in Education*

HELENE JAFFRES, B.A., 2003-2004  
*Language Assistant in French*

MARTIN T. LEMAIRE, Ph.D., 2004-  
*Faculty Fellow in Chemistry*

DAVID LEWIS-COLMAN, Ph.D., 2004-  
*Faculty Fellow in History*

ALVARO LOZANO-ROBLEDOS, Ph.D., 2004-  
*Faculty Fellow in Mathematics*

STEFANO MACCIANTI, 2004-2005  
*Language Assistant in Italian*

ABBY R. MARGOLIS, Ph.D., 2003-2004  
*Faculty Fellow in Anthropology*



TIMOTHY A. MECKEL '95, , M.S., 2003-2004  
*Faculty Fellow in Geology*

NAOMI MIYAKE, B.A., 2004-2005  
*Language Assistant in Japanese*

CHANTHOL OUNG, LL.M., August-December, 2004  
*Oak Human Rights Fellow*

DAVID ROTHENBERG, M.A., 2004-  
*Faculty Fellow in Music*

SOPHIE SCHIELER, B.A., 2004-2005  
*Language Assistant in German*

VICTOR I. SHUBOV, Ph.D., 2004-  
*Faculty Fellow in Mathematics*

AYAKA SOGABE, B.A., 2003-2004  
*Language Assistant*

MARINA TCHERNYCHEVA, M.A., January-May 2004  
*Russian Language Assistant*

MARIA TERESA TELLO SANCHEZ, 2004-2005  
*Language Assistant in Spanish*

EVA VELASCO PENA, B.A., 2003-2004  
*Language Assistant in Spanish*

MARIA ZHURBINA, 2004-2005  
*Language Assistant in Russian*

## College Committees

The president of the College and the dean of faculty are members ex officio of all committees of the College. Most of these committees are composed of faculty members, students, and administrators.

### Academic Affairs

- Administrative
- Advisory Committee on Off-Campus Study
- Financial Priorities
- Independent Study
- Information Technology
- Library

### College Affairs

- Admissions and Financial Aid
  - Bunche Scholars
  - International Admissions
- Athletic Advisory
- Cultural Events
- Lipman Lecture

Healthcare Advisory  
 Multicultural Affairs\*  
 Race and Racism\*

### **Faculty Committees**

Advisory Committee on Faculty Personnel Policies  
 Committee on Academic Standing  
 Dismissal Proceedings  
 Faculty Course Evaluation  
 Grievance  
 Nominating  
 Promotion and Tenure  
 Research, Travel, and Sabbatical Leaves

### **Other Committees or Councils**

Advisory Committee on Investment Responsibility  
 Appeals Board  
 Faculty Lounge Committee  
 Graduate Scholarship, Fellowship, and Professional Preparation Committees  
 Harassment Advisory Group  
 Institutional Animal Care and Use Committee  
 Institutional Biohazard Safety Committee  
 Institutional Review Board: Human Subjects  
 Judicial Board  
 Radiation Safety Committee

\* Committees communicating with both the Academic Affairs Committee and the College Affairs Committee

# Administration 2004-2005

*President*, WILLIAM D. ADAMS, M.A. '00, Ph.D., 2000-

*Administrative Assistant to the President*, JACQUELINE K. EDGAR PERSON, 1994-  
*Executive Assistant to the President and Secretary of the Corporation*, SALLY A. BAKER, A.B.,  
1989-98, 2002-

*College Historian*, EARL H. SMITH, M.A. '95, B.A., 1962-

*Carolyn Muzzy Director of the Museum of Art*, DANIEL G. ROSENFELD, Ph.D., 2002-  
*Lunder Curator of American Art*, SHARON CORWIN, Ph.D., 2003-  
*Registrar for the Museum of Art*, PATRICIA ROSS-KING, B.A., 2001-  
*Assistant Director for Operations*, GREGORY J. WILLIAMS, 1990-

*Vice President for Academic Affairs and Dean of Faculty*, EDWARD H. YETERIAN, M.A. '91,  
Ph.D., 1978-

*Assistant to the Vice President for Academic Affairs and Dean of Faculty*, LILLIAN  
LEVESQUE, 1978-

*Associate Dean of Faculty and Director of Off-Campus Study*, MARTHA J. DENNEY,  
M.Ed., Ph.D., 1995-

*Director of CBB Center in Cape Town (Spring Semester)*, MICHAEL D. BURKE,  
M.F.A., 1987-

*Director of CBB Center in Cape Town (Spring Semester)*, ROBERT A. GASTALDO, M.A.  
'99, Ph.D., 1999-

*Director of Colby in Cork*, ANDREW J. BROWN, Ph.D., 2000-

*Director of Colby in Dijon (Fall Semester)*, MARTHA J. DENNEY, M.Ed., Ph.D.,  
1995-

*Director of CBB Center in London (Fall Semester)*, JOSEPH R. REISERT, Ph.D., 1997-

*Director of CBB Center in London (Spring Semester)*, IRA SADOFF, M.A. '88, M.F.A.,  
1977-

*Director of Colby in Salamanca*, JAVIER GONZALEZ-ALONSO, Ph.D., 1985-

*Associate Director of Off-Campus Study*, DANNA J. LEE, M.A., 2000-

*Registrar*, GEORGE L. COLEMAN II, M.A., 1963-

*Director of the Colby Libraries*, CLEMENT P. GUTHRO, M.L.S., 2003-

*Assistant Director for Technical Services*, TONI D. KATZ, M.S., 1983-

*Head of Acquisitions*, CLAIRE PRONTNICKI, B.A., 1991-

*Library Technology Specialist*, LAWRENCE W. BROWN, M.A., 1994-

*Assistant Director for Public Services*, MARGARET P. MENCHEN, M.L.S., 1989-

*Circulation and Reserve Supervisor*, EILEEN M. FREDETTE, 1988-

*Art and Music Librarian*, MARGARET D. ERICSON, M.L.S., 1998-

*Reference Librarian*, MARILYN R. PUKKILA, M.S.L.S., M.A., 1984-

*Reference Librarian*, CHARLES R. LAKIN, M.L.S., 1985-

*Reference Librarian*, MICHAEL C. MCGUIRE '89, M.L.S., 2000-

*Reference Librarian*, SARA L. PRAHL, M.A., 2004-

*Science Librarian*, SUSAN W. COLE, M.S., 1978-

*Special Collections Librarian*, PATRICIA A. BURDICK, M.S., M.L.S., A.L.M., 1998-

*Slide Curator*, MARGARET E. LIBBY '81, 1986-

*Director of Physical Education and Athletics*, MARCELLA K. ZALOT, M.S., 1997-

*Sports Information Director*, WILLIAM C. SODOMA, B.S., 2002-

*Assistant Director of Athletics for Planning and Development*, RICHARD L. WHITMORE  
JR., M.A. '90, M.Ed., 1970-

*Director of the Oak Institute*, KENNETH A. RODMAN, M.A. '98, Ph.D., 1989-

*Associate Director of the Oak Institute*, ELIZA G. DENOEU, M.S., 1998-

*Director of the Goldfarb Center for Public Affairs and Civic Engagement*, L. SANDY MAISEL, M.A.'83, Ph.D., 1971-

*Assistant Director, Community Outreach and Programming*, M. KATHLEEN O'HALLORAN, M.B.A., 2004-

*Director of Career Services*, CYNTHIA A. PARKER, M.B.A., 1991-

*Administrative Assistant to the Director*, PENNY A. SPEAR, A.S., 1978-

*Associate Director of Career Services*, CATE T. ASHTON '80, M.A., 1987-

*Assistant Director of Career Services*, JOHN J. KAPPES, B.A., 2003-

*Internship Coordinator*, JORGE A. ACERO, M.A., 1999-

*Administrative Vice President and Treasurer*, W. ARNOLD YASINSKI, M.A. '90, Ph.D., M.B.A., 1990-

*Associate Vice President for Investments*, DOUGLAS E. REINHARDT '71, M.B.A., 1972-

*Assistant Director of Investments*, PAMELA LEO, 1981-

*Associate Vice President for Administration*, DOUGLAS C. TERP '84, M.B.A., 1987-

*Associate Director of Personnel Services*, BONNIE L. SMITH, B.S., 1986-

*Associate Director of Personnel Services*, RICHARD C. NALE, J.D., 1994-

*Assistant Director of Personnel Services*, HEATHER S. BUMPS, B.A., 1997-

*Assistant Director of Financial Planning*, NORA I. DORE, B.S., 2001-

*Director of Security*, PETER S. CHENEVERT, 1980-1988, 1997-

*Director of Safety*, BRUCE A. MCDUGAL, C.S.P., B.B.A., 1993-

*Director of Campus Services and Bookstore*, BRUCE K. BARNARD, M.Ed., 1987-

*Assistant Director of the Bookstore*, BARBARA C. SHUTT, A.B., 1994-

*Controller*, RUBEN L. RIVERA, B.S., C.P.A., 1994-

*Director of Administrative Financial Services*, SCOTT D. SMITH '88, M.B.A., 1993-

*Assistant Director of Administrative Financial Services*, AMY L. ROY, B.S., 1999-

*Director of Student Financial Services*, CYNTHIA W. WELLS '83, 1983-

*Associate Director of Student Financial Services*, LISA M. FAIRBANKS, A.S., 1990-

*Assistant Director of Student Financial Services*, ELIZABETH H. BOWEN '81, M.A., 1998-

*Student Financial Services Assistant*, THERESA HUNNEWELL, A.S., 1976-

*ColbyCard Manager*, WILLIAM U. POTTLE, 1980-

*Director of Information Technology Services*, RAYMOND B. PHILLIPS, Ph.D., 1984-

*Senior Faculty Development Specialist*, JACKIE M. TANNER, M.Ed., M.A., 1996-

*Language Technology Consultant*, ZACHARY E. CHANDLER, M.A., 2002-

*System and Application Education Specialist*, R. BILL MITCHELL, M.S., 2004-

*UNIX Workstation Administrator*, JOHN W. KUEHNE, Ph.D., 1996-

*Director of Media Services*, SAMUEL L. ATMORE, M.S., 1977-

*Sound and Video Services Coordinator*, DAVID C. PINKHAM, A.S., 2003-

*Director of Administrative Information Technology Services*, CATHERINE L. LANGLAIS, B.A., 1996-

*Senior Systems Analyst*, ELIZABETH N. SCHILLER, M.F.A., 1987-

*Senior Systems Analyst*, PAUL R. MEYER, M.S., 1999-

*Web Technology Specialist*, KEITH A. MCGLAUFLIN, B.S., 1989-

*Web Application Developer*, TONI M. FREDETTE, M.S., 2002-

*Senior UNIX Systems Administrator*, JEFF A. EARICKSON, Ph.D., 1995-

*Windows Server Administrator*, RURIK SPENCE, 1988-

*Director of Personal Computer Support Services*, MARIA C. CLUKEY, B.A., 1999-

*Personal Computer Consultant*, JANE M. ROBERTSON, B.A., 1990-

*User Services Consultant*, PAULA A. LEMAR, 1983-

*Director of Technical Services*, DAVID W. COOLEY, M.Div., 1978-

*Network Specialist*, DANIEL S. SIFF, M.S., 2002-

*Network Administrator*, BRIAN ZEMRAK, 1998-



- Associate Director for Telecommunication Services*, KENNETH T. GAGNON, B.A., 1981-
- Director of Dining Services*, VARUN AVASTHI, M.S., 1999-
- Associate Director of Dining Services*, JOSEPH KLAUS, A.A.S., 1998-
- Manager, Johnson/Chaplin Commons*, HEATHER VIGUE, B.A., 1997-
- Assistant Manager, Johnson/Chaplin Commons*, DEBRA L. RUTMAN, 2003-
- Production Manager, Johnson/Chaplin Commons*, WENDY A. BENNEY, 2000-
- Manager, Lovejoy Commons*, PAUL BOUCHER, I.F.S.E.A., 1998-
- Production Manager, Lovejoy Commons*, JODY R. PELOTTE, 1983-
- Manager, Mary Low Commons*, TERRY LANDRY, 1997-
- Manager, Spa*, SANDRA SCHRAMM, 2002-
- Catering Manager*, JESSICA J. GABLE, 2000-
- Assistant Catering Manager*, ANDREW S. GOODSPEED, A.S., 2001-
- Director of Institutional Research and Assessment*, MARK A. FREEMAN, Ph.D., 2002-
- Director of Special Programs*, JOAN H. SANZENBACHER, M.S.Ed., 1978-
- Associate Director of Special Programs*, JACQUES R. MOORE, B.A., 1999-
- Scheduling and Facilities Manager*, KAREN R. FARRAR LEDGER, B.S., 1981-
- Director of Physical Plant*, PATRICIA C. MURPHY, B.S., 2000-
- Associate Director of Physical Plant*, GORDON E. CHEESMAN, B.S., 1987-
- Assistant Director for Operations and Maintenance*, PAUL E. LIBBY, M.B.A., 1994-
- Supervisor, Building Trades*, DANE A. STETSON, 2000-
- Supervisor, Mechanical and Electrical Services*, JOHN A. MCCUTCHEON, 1978-
- Supervisor, Custodial Services*, ARTHUR F. SAWTELLE, B.A., 1976-
- Assistant Supervisor, Custodial Services*, JEROME ELLIOTT, 1982-
- Assistant Supervisor, Custodial Services*, DAVID F. HATT, A.S., 2002-
- Supervisor, Grounds and Moving*, KEITH STOCKFORD, A.A.S., 1982-
- Campus Horticulturist/Landscaper*, DALE M. DEBLOIS, B.S., 1998-
- Supervisor of Special Projects/Architect*, JOSEPH A. FEELY, M.S., 1995-
- Project Manager*, STEPHEN L. CAMPBELL, B.S., 2003-
- Vice President for College Relations*, RICHARD A. AMMONS, M.B.A., 2003-
- Assistant Vice President for College Relations and Director of Development*, DAVID R. BEERS '85, 1987-90, 1998-
- Interim Director of Annual Giving*, KELLY L. DODGE '83, 1999-
- Administrative Assistant to the Director of Annual Giving*, CHRISTINE A. THOMAS, B.S., 2000-
- Assistant Director of Annual Giving*, CAROLYN M. GRAY, B.A., 2003-
- Assistant Director of Annual Giving and Parents Programs*, BONNIE L. NIELSON '74, 1999-
- Director of College Relations Research*, JULIE MACKSOUD, B.A., 1993-
- Prospect Researcher*, DEBORAH J. OUELLETTE, B.S., 1988-
- Director of Major Gifts*, AVRUM R. VINICK, B.A., 1997-
- Major Gifts Officer*, ROBERT R. ATWOOD, M.S., 1999-
- Major Gifts Officer*, LISA A. HALLEE '81, J.D., 2000-
- Assistant Vice President for College Relations/Director of Corporate and Foundation Relations*, LINDA L. GOLDSTEIN, Ph.D., 1990-
- Administrative Assistant for Development/Corporate and Foundation Relations*, SEVEN S. GRENIER '94, 2000-
- Associate Director of Corporate and Foundation Relations*, BETSY BROWN, Ph.D., 1993-
- Director of Donor Relations*,  
*Assistant Director of Donor Relations for Stewardship*, ELLEN M. COREY, 1982-
- Assistant Director of Donor Relations for Development Web /Communications Services*, JULIA L. STOWE, M.F.A., 1998-

- Director of College Relations Information Systems Services*, JOSEPH M. MEDINA, B.A., 1987-  
*Associate Director of College Relations Information Systems Services*, PATRICIA AYERS-MILLER, B.A., 1988-  
*Assistant Director of Data Services*, ANN O. HURLBURT, B.S., 1980-  
*Senior Programmer/Analyst*, R. NEAL PATTERSON, B.A., 1995-  
*Senior Systems Analyst*, JOHN J. BOLDUC, B.S., 1999-  
*Director of Alumni Relations*, MARGARET VIENS '77, 1994-  
*Associate Director of Alumni Relations*, MARGARET BERNIER '81, 1997-  
*Associate Director of Alumni Relations*, BUFFY C. HIGGINS, B.A., 1999-  
*Assistant Director of Development and Alumni Relations Events*, KARIN R. WESTON, B.A., 1993-  
*Director of Communications*, STEPHEN B. COLLINS '74, 1993-  
*Director of Integrated Marketing and Design*, BRIAN D. SPEER, B.F.A., 1993-  
*Illustrator/Graphic Designer*, LEO A. PANDO, B.F.A., B.F.A., 1997-  
*College Editor*, ROBERT A. GILLESPIE, Ph.D., 1971-77, 1982-  
*Managing Editor/Associate Director of Communications*, GERARD E. BOYLE '78, 1999-  
*Managing Editor for Web Communications*, ROBERT C. CLOCKEDILE, B.A., 2004-  
*Web Design/Usability Specialist*, MARK A. NAKAMURA, B.A., 2004-  
*Assistant Director of Communications*, RUTH N. JACOBS, M.S. 2004-  
*Senior Director of Planned Giving*, STEVEN C. GREAVES, B.A., 1993-  
*Associate Director of Planned Giving*, SUSAN F. COOK '75, M.B.A., 1981-
- Dean of Admissions and Financial Aid*, PARKER J. BEVERAGE, M.A., 1985-  
*Director of Admissions*, THOMAS STEPHENS THOMAS IV, M.A., 1998-  
*Administrative Assistant to the Director of Admissions*, BARBARA W. CHASE, B.A., 1996-  
*Senior Associate Dean of Admissions and Financial Aid*, THOMAS W. KOPP, M.A., 1978-  
*Associate Dean of Admissions and Financial Aid*, JUDITH L. BRODY '58, 1979-  
*Associate Dean of Admissions and Financial Aid*, NANCY R. MORRIONE '65, M.Ed., 1982-  
*Associate Dean of Admissions and Financial Aid*, DAVID S. JONES, M.B.A., 1987-  
*Associate Dean of Admissions and Financial Aid*, SAMMIE T. ROBINSON, M.A., 2004-  
*Associate Director of Admissions and Multicultural Enrollment*, DENISE R. WALDEN, M.A., 2003-  
*Associate Director of Admissions and Financial Aid*, MICHAEL F. MONTGOMERY '96, 1997-  
*Associate Director of Admissions and Financial Aid*, KAREN C. FORD, M.Ed., 1998-  
*Associate Director of Admissions and Financial Aid*, JAMIE W. BREWSTER '00, 2000-  
*Assistant Director of Admissions and Financial Aid*, BARBARA SWENEY, B.A., 1982-  
*Admissions Counselor*, KATHERINE JOLY DEVINE, B.A., 1986-  
*Admissions Counselor*, RACHEL S. TOBIE '04, 2004-  
*Director of Financial Aid*, LUCIA W. WHITTELSEY '73, 1986-
- Vice President for Student Affairs and Dean of Students*, JANICE A. KASSMAN, M.A., 1974-  
*Administrative Assistant to the Vice President for Student Affairs*, MARIA C. SWEET, A.S., 2000-  
*Senior Associate Dean of Students*, PAUL E. JOHNSTON, B.A., 1982-  
*Associate Dean of Students*, MARK R. SERDJENIAN '73, 1982-  
*Associate Dean of Students*, SUSAN M. LAFLEUR, B.A., 1996-  
*Coordinator of Multicultural Student Programs and Support*, TAM THANH T. HUYNH, B.A., 2004-  
*Director of Outdoor Safety and Education*, JONATHAN D. MILNE, B.S., 2004-

*Chaplains:*

*Catholic*, FATHER PHILIP A. TRACY, S.T.B., 1999-

*Jewish*, RABBI RAYMOND KRINSKY, M.H.L., 1984-

*Protestant*, RONALD E. MORRELL, 1984-

*Medical Director,*

*Physician Assistant*, ALDEN R. KENT, P.A.-C./L.C.S.W., 1991-

*Physician Assistant*, JIMMIE J. WOODLEE, B.S., P.A.-C., 1988-

*Nurse Practitioner*, LYDIA BOLDUC-MARDEN, R.N., N.P., 1992-

*Head Nurse*, HELEN BALGOOYEN, B.S., R.N.C., 1984-

*Director of Physical Therapy/Sports Medicine*, TIMOTHY J. ADAMS, B.S., R.P.T., A.T.C., 1980-

*Staff Athletic Trainer*, TIMOTHY S. WESTON, B.S., 1992-

*Staff Athletic Trainer*, CHRISTINA M. STEEVES, M.Ed., 1998-

*Staff Athletic Trainer*, SARA E. MACDONOUGH, B.S., 2004-

*Director of Counseling Services*, PATRICIA NEWMEN, M.A., 1987-

*Psychological Counselor and GLBTTIQQ Advisor*, JAN MUNROE, Ph.D., 1994-

*Psychological Counselor*, JING YE, M.A., L.C.P.C., 2000-

# Enrollment by States and Countries

Forty-eight U.S. states and districts and 69 foreign countries represented in the 2003-2004 student body.

**2003-2004 Enrollment      Men 817    Women 951    Total 1,768**

## States

Alabama  
Alaska  
Arizona  
Arkansas  
California  
Colorado  
Connecticut  
Delaware  
District of Columbia  
Florida  
Georgia  
Hawaii  
Idaho  
Illinois  
Indiana  
Iowa  
Kansas  
Kentucky  
Louisiana  
Maine  
Maryland  
Massachusetts  
Michigan  
Minnesota  
Mississippi  
Missouri  
Montana  
Nevada  
New Hampshire  
New Jersey  
New Mexico  
New York  
North Carolina  
North Dakota  
Ohio  
Oklahoma  
Oregon  
Pennsylvania  
Rhode Island

South Carolina  
South Dakota  
Tennessee  
Texas  
Utah  
Vermont  
Virginia  
Washington  
Wisconsin

## Countries

Albania  
Argentina  
Australia  
Austria  
Bahamas  
Belarus  
Bhutan  
Bolivia  
Brazil  
Bulgaria  
Canada  
Chile  
China  
Colombia  
Czech Republic  
Denmark  
Dominican Republic  
Estonia  
Ethiopia  
Fiji  
France  
Germany  
Ghana  
Great Britain  
Greece  
Guatemala  
Honduras  
Hungary  
India

Indonesia  
Iran  
Ireland  
Israel  
Jamaica  
Japan  
Jordan  
Kazakhstan  
Kenya  
Latvia  
Lithuania  
Macedonia  
Malaysia  
Mexico  
Morocco  
Myanmar (Burma)  
Nepal  
New Zealand  
Nigeria  
Norway  
Pakistan  
Peru  
Philippines  
Poland  
Romania  
Senegal  
Serbia-Montenegro  
Sierra Leone  
Singapore  
Slovakia  
South Africa  
South Korea  
Sudan  
Sweden  
Taiwan  
Turkey  
Ukraine  
Uruguay  
Vietnam  
Zimbabwe



# Degrees Awarded at Commencement Sunday, May 23, 2004

## Bachelor of Arts

### *The Class of 2004*

Lauren Marie Abbott *Danvers, Mass.*  
Emily Timpson Alford *La Jolla, Calif.*  
Kevin Scott Andrews *Woodland, Minn.*  
Lindsay Nicole Antolino *Columbus, Ohio*  
Naomi Jessica Appel *Montclair, N.J.*  
Emily Christina Arell *Littleton, Colo.*  
Nurlan Assilbekov *Almaty, Kazakhstan*  
Marc-Antoine Attiyeh *New York, N.Y.*  
Christine Elizabeth Atwood *Gorham, Maine*  
Gregory David Avedesian *Westerly, R.I.*  
Andriy Avramenko *Kiev, Ukraine*  
Rebecca Leigh Avrutin *Rye, N.Y.*  
Seth Cary Aylmer *Union, Maine*  
Erica Lynne Ayotte *North Chelmsford, Mass.*  
Mark James Azevedo *Kingston, Mass.*

Matthew Scott Bacon *Stratham, N.H.*  
Amanda Lisa Baer *Fairfax, Va.*  
Daniel Julian Barnes *Cape Town, South Africa*  
Jill Kristen Barnes *Menlo Park, Calif.*  
Jennifer Pile Barrett *Marion, Mass.*  
Laura Jan Barrow *Wilmette, Ill.*  
Nicholas Andrews Battista *Camden, Maine*  
Erica Caitlin Bauer *Rochester, N.Y.*  
Stephen Kyle Bayes *Santa Monica, Calif.*  
Jason Allen Havey Beal *Lincolnton, Maine*  
Lorraine Marie Beane *Melrose, Mass.*  
Luke Girard Bechtold *Largo, Fla.*  
Grace Elizabeth Becker *Wrentham, Mass.*  
Amanda Gales Belden *Presque Isle, Maine*  
Conor Robert Beliveau *Hallowell, Maine*  
Justine Katherine Belvin *Cheshire, Conn.*  
Amy Louise Bennett *Foster City, Calif.*  
Jared David Berezin *Dover, Mass.*  
Emily Lauren Bernier *Farmington, Conn.*  
Miranda Rose Bertram *Downers Grove, Ill.*  
Kimberly Kristen Betz *Greenwich, Conn.*  
Mary Stonesifer Bierwirth *Bronxville, N.Y.*  
Jared John Bisogni *Ithaca, N.Y.*  
Gretchen Marie Black *Peru, Vt.*  
Susan C. Blair *Manchester, Mass.*  
Aaron Jonathan Blank *Framingham, Mass.*  
Christopher Alan Blier *Hermon, Maine*  
Christopher Patrick Blomberg  
*Raymond, Maine*

William Spencer Boice *Atlanta, Ga.*  
Nicollette Bolton *Richland, N.Y.*  
Elizabeth Jane Bomze *Philadelphia, Pa.*  
Marc Daniel Bouchard *South  
Portland, Maine*  
Jason C. Bougere *Avon, Conn.*  
Caitlin Tara Bourque *Townsend, Mass.*  
James Tharin Bradford *Bangor, Maine*  
Breilyn Ashley Brantley *Cypress, Texas*  
Holly Jean Brown *Hope, R.I.*  
Katherine Clara Brown *Washington  
Crossing, Pa.*  
Nathaniel Thatcher D. Brown *Wellesley, Mass.*  
Mahdi Wajih Bseiso *Amman, Jordan*  
Peter Lyle Burch *Boise, Idaho*  
Jordan Ellen Burke *Colchester, Vt.*  
Alicia Mae Burrows *Meredith, N.H.*  
Maya Hoeffel Burton *Newton, Mass.*  
Barron Anthony Butler *Marblehead, Mass.*

Katherine E. Caldwell *Wallingford, Pa.*  
Douglas Alexander Calhoun *Bar  
Harbor, Maine*  
Michael Edward Callinan *Holbrook, Mass.*  
Jennifer Larke Carini *Sherman, Conn.*  
Kristin Mallen Carlson *Canton, Mass.*  
Lee Richard Carlson *Braintree, Mass.*  
Jennifer Lynn Carpenter *Edina, Minn.*  
Gregory Alan Cary *Cumberland, Maine*  
Alexis Ann Caselle *Andover, Mass.*  
Caitlin Elizabeth Cassis *Sherborn, Mass.*  
Sarah Nell Chapple-Sokol *Essex Junction, Vt.*  
Brenna Aislinn Cheslack-Postava  
*Ridgewood, N.J.*  
Jason Ross Chew *Chicago, Ill.*  
Mang-Lum Chin *Smithtown, N.Y.*  
Brian Daniel Chisholm *King City, Ont., Canada*  
Anne Selden Christman *Northfield, Ill.*  
Catherine Anne Chuprevich *Monmouth, Maine*  
Ann Marie Claflin *Brighton, Mich.*  
Matthew Oliver Clason *Cheshire, Conn.*  
Joshua Collin Cleaver *Kennett Square, Pa.*  
Michael Paul Clifford *Ramsey, N.J.*  
Ian Cameron Cochran *Tappan, N.Y.*  
Benjamin Wilson Coerper *Charleston, S.C.*  
David Alexandre Cohen *Stamford, Conn.*  
Lynn Courtney Cole *Baltimore, Md.*

Meredith Suzanne Collins *Houston, Texas*  
 Amelia Sarah Confalone *Lynnfield, Mass.*  
 Michael J. Cooper *Fairfield, Conn.*  
 Ellen Corey *South China, Maine*  
 Cassandra May Cote *Falmouth, Maine*  
 Bethany Emilia Craig *Marietta, Ohio*  
 Meredith Jean Crane *Kents Hill, Maine*  
 Michael Sean Crawford *Duxbury, Mass.*  
 Timothy Michael Cullen *Pocasset, Mass.*  
 Leigh Erwin Cummings III *Houlton, Maine*  
 Terri Cunningham *Harvard, Mass.*

Charles Benson Data *Koboko, Uganda*  
 Cynthia Jean Davies *Millville, N.J.*  
 Desirée DuBois Davis *Cape Porpoise, Maine*  
 John Forrest de Perczel *Hickory, N.C.*  
 Katherine Anne Detmer *Needham, Mass.*  
 Lindsay P. DiNardo *Manchester, Conn.*  
 Cara Ann Dionisi *Sudbury, Mass.*  
 Vincent Michael Domestico *Ashland, Mass.*  
 Daniel Herbert Donovan *Parsonsfield, Maine*  
 Christina Evyenia Dotchin *Orlando, Fla.*  
 Bonnie Louise Linder Dowling *Saint Augustine, Fla.*  
 Erin Christine Dube *Foster, R.I.*  
 Camille Eveleen Dugan *Barre, Vt.*  
 Jacqueline Erica Dupont *Baltimore, Md.*  
 Gregory Paul Dupuy *Allendale, N.J.*  
 Allison Catherine Dwyer *Bristol, Conn.*

Tyler Ashley Edgar *Sanibel, Fla.*  
 Trevor William Eide *Excelsior, Minn.*  
 Janine Frances Elliott *San Francisco, Calif.*  
 Katherine Kimberley Ennis *McLean, Va.*  
 Natalie Laine Erickson *Macon, Ga.*  
 Jonathan Daniel Stuart Evans *Pawling, N.Y.*  
 Rebecca Elizabeth Evans *Laconia, N.H.*

Sara Alissa Feldman *Worcester, Mass.*  
 Spencer Atwood Fenniman *Tyringham, Mass.*  
 Meghan Daly Finneran *Rye, N.Y.*  
 Cameron Nelson Fisher *Santa Rosa, Calif.*  
 Gillian Rice Fisher *Delhi, N.Y.*  
 Eric Harte Fitz *Cumberland, Maine*  
 Kristin Leigh Flanders *Naperville, Ill.*  
 Brian Paul Foley *Wayland, Mass.*  
 Matthew Stephen Forlizzi *Danvers, Mass.*  
 David Lawrence Fouche *Lexington, Mass.*  
 Kimberly Ann Francetich *Beaverton, Ore.*  
 Alicia Marie Freese *Concord, N.H.*

William Alexander Gaeth *Nobleboro, Maine*  
 Sarah Gabrielle Gagnon *Townsend, Mass.*  
 Nicholas Michael Gambino *Syracuse, N.Y.*  
 Matthew Ernest Garbarino *Newtown, Conn.*

Raul Andres Garron *Avon, Conn.*  
 Philip Charles Geiger *Greenwich, Conn.*  
 Kathryn Jean Gennaro *Sudbury, Mass.*  
 Joshua Evan German *Wayne, Pa.*  
 Alexandra Paige Gershuny *New York, N.Y.*  
 Sarah Elise Getchell *Cumberland, Maine*  
 Matthew David Getty *Rutland, Vt.*  
 Sari Beth Gilbert *Marblehead, Mass.*  
 Jessalyn Gillum *Pennington, N.J.*  
 Molly Jean Given *Saint Paul, Minn.*  
 Ryan Austin Glennon *Exeter, N.H.*  
 Timothy James Glew *Simsbury, Conn.*  
 Igor Vladimirovich Gnyp  
     *Ivano-Frankivsk, Ukraine*  
 Jeffrey Harris Goldberg *Savannah, Ga.*  
 Karen Mary Goldfarb *South Dennis, Mass.*  
 Claire Krueger Goodman *Ada, Mich.*  
 Sarah Elizabeth Goodwin *Westfield, Mass.*  
 Elizabeta Gorgoska *Skopje, Macedonia*  
 Chelsie Hannon Gosk *Ellington, Conn.*  
 Michael Benjamin Greenberg *Hastings-on-Hudson, N.Y.*  
 Isaac Finnegan Griffith-Onnen *Phillips, Maine*  
 Lindsay Elizabeth Grossman *Amherst, N.H.*  
 Holli Beth Grover *South Yarmouth, Mass.*  
 Joshua Tever Gutierrez *Greenwood Village, Colo.*

Laurel Ann Haeusslein *San Francisco, Calif.*  
 Michael Lawrence Haimes *Old Greenwich, Conn.*  
 Michael Robert Haley *Greenfield, N.H.*  
 Zoe Elizabeth Hallowell *Concord, N.H.*  
 Elizabeth Mary Hamilton *Hamilton, Mass.*  
 Injoo Han *Clifton, N.J.*  
 Jennifer Lynn Hanson *Peachtree City, Ga.*  
 Matthew Boyd Harrington *Marblehead, Mass.*  
 Morgan Ashley Harris *North Haverhill, N.H.*  
 Alan Christopher Hartmann *Seattle, Wash.*  
 Victoria Christine Hayes *Mansfield, Mass.*  
 Jessica Hall Hayward *Brunswick, Maine*  
 Julianne Marie Heck *Langley, Wash.*  
 Kathryn Ellen Heidemann *Cushing, Maine*  
 Kirsten Jeanne Helmcke *Northbrook, Ill.*  
 Lauren Emily Henderson *Oneida, N.Y.*  
 Michael Henderson-Cohen *Chapel Hill, N.C.*  
 Alyssa Lawton Henley *Spokane, Wash.*  
 Michael Thomas Hepburn *Plymouth, Mass.*  
 Michael James Hildebrandt *Darien, Conn.*  
 Allyson Patricia Hill *Portland, Maine*  
 Elizabeth Laura Holmes *Hofheim, Germany*  
 Shannon Rae Hopkins *Denver, Colo.*  
 Win Mar Htay *Yangon, Myanmar*  
 Kathryn Parsons Hulick *New Boston, N.H.*  
 Joshua Richard Whittier  
     *Hunnewell Holderness, N.H.*

Thomas Newell Hunsdorfer *Marion, Mass.*  
 Benson William Hyde *Pownal, Maine*  
 Molly Reeder Hyde *New London, Conn.*

Brandon Charles Irwin *Hamden, Conn.*

Aimee Lynn Jack *Lewiston, Maine*  
 Cristina Gabriela Jaleru *Galati, Romania*  
 Emma J. James *Christchurch, New Zealand*  
 Jeremy Paul Jamieson *Stoneham, Mass.*  
 Sarah Charlotte Jasinski *Durham, N.H.*  
 Kristan Danielle Jiggetts *Long Grove, Ill.*  
 Christine Farley Jones *Freeport, Maine*  
 Erica Lyn Joseffy *Whitefield, N.H.*  
 Guito Joseph *Marstons Mills, Mass.*  
 Serena Claire Josephs *Washington, D.C.*  
 Justin Eddie Juskewitch *Mercer, Maine*

Jennifer Ruth Kalman *Herndon, Va.*  
 Sarah Berne Kaminshine *Decatur, Ga.*  
 Elizabeth Abbey Kaplan *Wellesley, Mass.*  
 Mary Paula Karottki *Lisle, Ill.*  
 Matthew David Kasberg *Franklin, Mass.*  
 Evan Daniel Kearns *Holland, Ohio*  
 Jessica Aubrey Kellett *Tiburon, Calif.*  
 Shannon A. Kelly *Orangeburg, N.Y.*  
 Christine Marie Kennedy *Cheshire, Conn.*  
 Michael Cullen Kennedy *Williston Park, N.Y.*  
 Ian Lasell Kimmich *Salem, Ore.*  
 Brian Andrew Kittler *Norwell, Mass.*  
 Beth Anne Kittredge *Bradford, Mass.*  
 Emily Jean Knickerbocker *Victor, N.Y.*  
 Kristian Peter Knights *Lyme, N.H.*  
 Jason Alexander Koch *Rockville Centre, N.Y.*  
 Allison Bright Kolkhorst *York, Maine*  
 Daniel Paul Kosmala *Concord, Mass.*  
 Kyle Benjamin Kreiss *Northbrook, Ill.*  
 Brittany Anne Kureth *Novi, Mich.*  
 Kurt Piri Kutluoglu *Geneva, Switzerland*  
 Jacqueline Michelle Kuzell *Daytona Beach, Fla.*

Erik Horgan Lambert *Rockville, Md.*  
 Juliet McLure Land *Norfolk, Va.*  
 Stephanie Parish Lane *Belvedere, Calif.*  
 Lindsey Season Lanier *Los Angeles, Calif.*  
 Matthew Thomas LaPaglia *Upper Montclair, N.J.*  
 Adrian Stewart LaRochelle *Rockland, Maine*  
 Emily Hansar Laubscher *Belmont, Mass.*  
 Brittny Perryn Lazar *Holden, Mass.*  
 Kristoffer Seung Lee *Garrison, N.Y.*  
 Allison Katherine Lemke *Brookfield, Conn.*  
 Margaux Jeanne Leonard *Dedham, Mass.*  
 Teresa Maria Leyro *Hampden, Maine*  
 Kyle Alan Lieberman *Princeton, N.J.*

Mary Caroline Liebman *Atlanta, Ga.*  
 Robert Lee Lippert *Augusta, Maine*  
 Andrew Kenney Lizotte *Dover-Foxcroft, Maine*  
 Ryan Donahue Lochhead *Voorhees, N.J.*  
 James Newton Logan II *Jersey City, N.J.*  
 Nicholas Reuben Loukes *Bangor, Maine*  
 Samuel Alexander Ludwig *Garden City, N.Y.*  
 Elizabeth Worth Lund *Worcester, Mass.*  
 Gregory Daniel Lynch *Walpole, Mass.*

Siqing Ma *Shanghai, China*  
 Robert David MacBain *Portsmouth, R.I.*  
 Kyle Therese MacDonald *Southport, Conn.*  
 Trevor Ross Mackesey *Baltimore, Md.*  
 Ross David Charles MacMillan *Charlottetown, P.E.I., Canada*  
 Marisa Danielle MacNaughton *Cape Neddick, Maine*  
 Susannah Holl Magrane *Short Hills, N.J.*  
 Cynthia Joan Malik *Oak Brook, Ill.*  
 David Rogers Maloney *Winthrop, Maine*  
 Nicholas Owen Markham *Carmel, Ind.*  
 Ashley Diane Martin *Northwood, N.H.*  
 Nina Maria Martin *South Hamilton, Mass.*  
 Ariel Martin-Cone *Baltimore, Md.*  
 Nicholas Nyika Matatu *Harare, Zimbabwe*  
 Taylor Louise Boland Mayo *Bethesda, Md.*  
 Eric Scott McAllister *Meriden, N.H.*  
 Kaitlin Zoe McCafferty *Magnolia, Mass.*  
 Emma Marie McCandless *Franklin, Pa.*  
 Katherine Erin McCarty *Washington, D.C.*  
 Joshua L. McConnell *Wyckoff, N.J.*  
 Kelly Ann McGowan *Edina, Minn.*  
 Mary Frances McGowan *Chicago, Ill.*  
 Amina Siti McIntyre *Atlanta, Ga.*  
 Edward Drew McKechnie *Hudson, Ohio*  
 Natalie Charlotte McKechnie *Stowe, Vt.*  
 Andrew Alexander McKenna-Foster *Littleton, Colo.*

Michael James McMullen *Bridgewater, Mass.*  
 Megan Head Meehan *Boylston, Mass.*  
 Jonathan Daniel Meek *New Castle, Del.*  
 Christine Ambika Mehta *Lawrenceville, N.J.*  
 Nicholas Joseph Meintel *Yarmouth, Maine*  
 Dawn M. Mertineit *Reading, Mass.*  
 Stephen Michael Migauskys *Winchester, Mass.*  
 Celeste Marie Miliard *Cape Elizabeth, Maine*  
 Caroline Anne Minkoff *Haddonfield, N.J.*  
 Laura Harkins Mistretta *New York, N.Y.*  
 David Crosby Mitchell *Long Lake, Minn.*  
 Boryana Vladimirova Miteva *Sofia, Bulgaria*  
 Jennifer Anne Mojo *Ridgewood, N.J.*  
 Judd Daniel Moldaver *Toronto, Ont., Canada*



Michael Jay Molloy *Milford, Mass.*  
 Catherine Patricia Mongeon *Plymouth, N.H.*  
 Elena Dawn Morgenroth *Berlin, Germany*  
 Jesse Anne Morrisey *Marshfield, Mass.*  
 Leah Culler Morrison *Hamden, Conn.*  
 Jeffrey Ernest Moyer *Bridgewater, Mass.*  
 Jennifer Leigh Munroe *Bardstown, Ky.*  
 Henry August Munter *Ketchum, Idaho*  
 James Matthew Murdoch *Peabody, Mass.*  
 Amanda Brant Murphy *Chicago, Ill.*  
 Maura Frances Myers *McLean, Va.*

Meredith Val Needle *Atlanta, Ga.*  
 Diane Elizabeth Nelson *Ridgewood, N.J.*  
 Robin Harris Nesbada *Newry, Maine*  
 Elizabeth Ellen Neumann *Lexington, Mass.*  
 Eric Richard Nguyen *Midland, Mich.*  
 Jonathan Michael Nickerson *Lynnfield, Mass.*  
 John Nicolas Nicoletta *Westford, Mass.*  
 Andrea Lorraine Nicoletti *Wellesley, Mass.*  
 Rachel Theresa Noiseux *South Hampton, N.H.*  
 Sohrab Fallah Noshirvani *Dobbs Ferry, N.Y.*

Gavin Eastwood O'Brien *West Rutland, Vt.*  
 Heather Anna Ogilvy *Winchester, Mass.*  
 Laura Lynne Olenick *Manalapan, N.J.*  
 Chyann L. Oliver *Providence, R.I.*  
 Anne Elizabeth Olmsted *Middleton, Mass.*  
 David Hartman Olsen  
 Kathryn Elizabeth O'Neill *Milton, Mass.*  
 Marley Elizabeth Orr *San Francisco, Calif.*  
 Samuel Everett Owen *Gibson Island, Md.*  
 Nicholas Wilson Owens *Cape Elizabeth, Maine*

Melynda Elizabeth Pealer *Dublin, Ohio*  
 Leif Gunnar Pearson *Las Vegas, Nev.*  
 Kristina Lynn Pelletier *Brandon, Vt.*  
 Christine Margaret Pennypacker *Jericho, Vt.*  
 Daniel E. Perry *Alfred, Maine*  
 Aubris Lace Pfeiffer *Old Lyme, Conn.*  
 Christof H. Pfeiffer *Goshen, Conn.*  
 Kellie Kathleen Phelan *Mont Vernon, N.H.*  
 Mary Elizabeth Phelps *Piedmont, Calif.*  
 Louisa Hale Phinney *Milton, Mass.*  
 Jordana Lee Pickman *Southbury, Conn.*  
 Andrea L. Piekarski *Inverness, Ill.*  
 Skyler Schwartz Place *Needham, Mass.*  
 Carolyn Keber Plant *Davis, Calif.*  
 Graham Moyer Poage *Minneapolis, Minn.*  
 Samuel Dustin Poland *Hiram, Maine*  
 Ashley A. Porter *Duxbury, Mass.*  
 Emily Henrion Posner *Southfield, Mich.*  
 Carolyn Kristine Potz *South Salem, N.Y.*  
 Karen Margaret Prager *Medfield, Mass.*  
 Morgan Suzanne Pratt *Stanfordville, N.Y.*

Kimberly Bradley Prescott *Annamdale, Va.*  
 Ana Prokic *Belgrade, State Union of Serbia  
 and Montenegro*  
 Diego Sebastian Puig *Termas de Rio  
 Hondo, Argentina*  
 Rohit Paul Punyani *Plantation, Fla.*

Emily Marie Quann *Norwood, Mass.*

Betsaida Ramos *Lynn, Mass.*  
 Christina Maria Ramos *Acton, Mass.*  
 Benjamin Francis Raphael *Panton, Vt.*  
 Peter Rashkov *Sofia, Bulgaria*  
 Christin Nell Pollock Reckman  
*Wyoming, Ohio*  
 Megan Zust Reddy *Lexington, Mass.*  
 Laura Anne Reese *Troy, Mich.*  
 Eric Daniel Reinauer *North Granby, Conn.*  
 Benjamin Fox Ricciardi *Ridgewood, N.J.*  
 Peter John Rice *San Jose, Costa Rica*  
 Matthew Riportella-Croce *Plainfield, Vt.*  
 Matthew Delis Ritter *Hartford, Conn.*  
 Christopher David Roberts *Lyme, N.H.*  
 Paul Gilmore Robertson *Jackson, Miss.*  
 Amanda Helene Robinson *Eden, N.Y.*  
 Thomas Alan Rogers *Potsdam, N.Y.*  
 Robert Tully Rohrer *Ridgefield, Conn.*  
 Jonathan Joseph Romak *Newtown, Conn.*  
 Keith Patrick Romano *Sturbridge, Mass.*  
 Kevin James Rooney *Sterling, Mass.*  
 Melissa Cristina Rosales *Cambridge, Mass.*  
 Jennifer Beth Rosenberg *Worcester, Mass.*  
 Rosemary Cecelia Rouhana *Sands Point, N.Y.*  
 Eric George Roy *Lisbon, Maine*  
 Brandon Richard Royce *Augusta, Maine*  
 Anna Marie Royer *Lovell, Maine*  
 Katherine M. Russo *Camden, Maine*

Samantha Kate Saeger *Dedham, Mass.*  
 Adam Dominic St. Pierre *Charlestown, N.H.*  
 Valentina Saltane *Riga, Latvia*  
 Adam Phillip Saltsman *Santa Monica, Calif.*  
 Loren Montgomery Sanborn *Pittsfield, N.H.*  
 William Edward Sander *Waukesha, Wis.*  
 Ben Kaplan Sanoff *Cambridge, Mass.*  
 Jennifer Sibley Santini *Rockport, Mass.*  
 Steven Corey Sarno *Falmouth, Maine*  
 Kristin Chesson Saucier *Yarmouth, Maine*  
 Chad Thomas Saylor *Saint Matthews, S.C.*  
 Kristin Diana Schaefer *Plymouth, Mass.*  
 Michael Charles Schnurr *Sharon, Conn.*  
 Jack Spalding Schroder III *Atlanta, Ga.*  
 Johanna Lee Wolters Schroeder  
*Salmon, Idaho*  
 Elizabeth Clark Schundler *Westfield, N.J.*



Orlena Helen Scoville *Washington, D.C.*  
 Phillip Edward Scuderi *La Place, La.*  
 Andrew Edward Scull *La Jolla, Calif.*  
 Robert Wentworth Selover *Morristown, N.J.*  
 Kevin J. Septor *Ellicott City, Md.*  
 Bradford Duffy Seymour *Durham, N.H.*  
 J. Kearney Shanahan, Jr. *Cleveland Heights, Ohio*  
 Meaghan Kathleen Shea *Worcester, Mass.*  
 Michael Connors Shea *Manchester, Mass.*  
 Benjamin D. Sheehan *Meriden, N.H.*  
 Margaret Ann Siciliano *Stewart Manor, N.Y.*  
 Micah Will Siegel *Oak Park, Ill.*  
 Timothy Ryan Sielschott *Lima, Ohio*  
 Adrian Alex Silver *Wheatley Heights, N.Y.*  
 Christina E. Sinnamon *Manchester, Conn.*  
 Ana Cristina Sisson *Oak Brook, Ill.*  
 Joseph Christian Siviski *Yarmouth, Maine*  
 Caitlin Elizabeth Slodden *Cohasset, Mass.*  
 Edward Foley Smith *Westfield, N.J.*  
 Jacqueline Robin Smith *Beverly Hills, Calif.*  
 Scott Rogers Smith *Mystic, Conn.*  
 Stephen Mason Smith *Visalia, Calif.*  
 Timothy Paul Smith *Arlington, Mass.*  
 Laura Leigh Snow *Cleveland Heights, Ohio*  
 Derek Spencer Snyder *Hillsborough, Calif.*  
 Karsten Leigh Solberg *Oxford, Conn.*  
 Anna Beth Sommo *Appleton, Maine*  
 Christopher Carson Sotzing *Old Greenwich, Conn.*  
 Ellen Chesley Soucy *Boxford, Mass.*  
 Dawn Alyson Spinner *Floral Park, N.Y.*  
 Nathaniel Terry Stanglein *Northampton, Pa.*  
 Amanda Elizabeth Stanke *Fitchburg, Mass.*  
 Sarah Elizabeth Starr *North Stonington, Conn.*  
 Abigail Stella *Westfield, Mass.*  
 Alan Webb Stimpson *Shelbyville, Tenn.*  
 Kelly Elizabeth Stoops *Middletown, R.I.*  
 Kimberly Michelle Strader *Williston, Vt.*  
 Amanda Rose Sullivan *Lexington, Mass.*  
 Edward Connor Sullivan *Harvard, Mass.*  
 Rumbidzai Sundire *Gweru, Zimbabwe*  
 Annika Lee Svore *Issaquah, Wash.*  
 Catherine Teresa Sweeney *Milton, Mass.*  
 Katherine Elisabeth Sweeney *Waterville Valley, N.H.*  
 Caroline Swindells *New York, N.Y.*  
 Jennifer Elizabeth Tackaberry *Chatham, N.J.*  
 Derek Edwin Taff *Weston, Mass.*  
 Kulli Tamm *Tallinn, Estonia*  
 Rebecca Caroline Taylor *Sudbury, Mass.*  
 Sounun Tek *Philadelphia, Pa.*  
 Kelly Anne Thomas *Glendale, Calif.*  
 Monica J. Thomas *Strong, Maine*  
 Edward Parker Thompson III *Barnesville, Md.*

Roger Mercy Tiao *Los Angeles, Calif.*  
 Rachel Sarah Tobie *Mount Vernon, Maine*  
 Yuji Tokita *Kagoshima, Japan*  
 Amy Elizabeth Tolsdorf *Columbia, Conn.*  
 Kate Arline Trasher *Danvers, Mass.*  
 Elizabeth Dickson Turnbull *Wenham, Mass.*  
 Allison Paige Turner *Vincennes, Ind.*  
 William Christopher Twible *South Hero, Vt.*  
 Elizabeth Secontina Tyler *Easton, Conn.*  
 Ryan Nicolaysen Tyler *Wolfeboro, N.H.*  
 John Alistair Tyson *Amherst, Mass.*

Karima Ummah *Westbrook, Maine*  
 Rafal Urban *Lewiston, Maine*

Robert George Vail *East Boothbay, Maine*  
 Vanessa Lynn Verri *Warwick, R.I.*  
 Ona Virketyte *Vilnius, Lithuania*

Nicholas Noyes Walendziak *Norcross, Ga.*  
 Laura Thompson Walker *Knoxville, Tenn.*  
 Andrew Steven Walleck *Lakewood, Ohio*  
 Crystal Marie Ward *Sun Valley, Idaho*  
 Sabina Katherine Warren *Portsmouth, R.I.*  
 Rachel Allison Wasdyke *Melrose, Mass.*  
 Kathryn Kirby Weiler *Wayland, Mass.*  
 Emily Louise Weiser *Suamico, Wis.*  
 Kelly Elizabeth Welch *East Dennis, Mass.*  
 Abigail Grace Wheeler *Farmington, Maine*  
 Dana Leigh Wheeler *Fryeburg, Maine*  
 Katherine Davenport Wheeler *Baltimore, Md.*  
 Marshall Walter White *Woburn, Mass.*  
 Rebecca Sara White *Beverly, Mass.*  
 Seth Michael White *Yarmouth, Maine*  
 Kerry Suzanne Whittaker *Lincolnton, Maine*  
 Andrew Duncan Will *Andover, N.H.*  
 Megan Louise Williams *Falmouth, Maine*  
 Emily Anne Williamson *Etna, N.H.*  
 Megan Elizabeth Wilson *Salem, Ore.*  
 Colin David Witherill *Cumberland, Maine*  
 Jennifer Rose Withnell *Rockville, Md.*  
 Laurel Anne Walsh Wolfrum *Belmont, Mass.*  
 Sarah Grace Wolfrum *Belmont, Mass.*  
 Jeffery Chi Wong *Sharon, Mass.*  
 Laurel Ann Woodward *Auburn, Maine*  
 Sarah Elizabeth Wright *Shelburne, Vt.*  
 Molly Peyton Wyatt *Seattle, Wash.*

Catherine Elizabeth Young *Lincoln, Mass.*  
 William David Younker II *Shrewsbury, Mass.*

Kirsten Ann Zarnetske *Cambridge, N.Y.*  
 Jessie Luca Zerendow *Cohasset, Mass.*  
 Zombor Andras Zoltani *Lutherville, Md.*  
 Joshua Elliott Zweig *Brookline, Mass.*

## Honorary Degrees

Shelby M.C. Davis *Doctor of Laws*

Shirley Ann Jackson *Doctor of Science*

Barry C. Mazur *Doctor of Science*

Bernice Johnson Reagon *Doctor of Letters*

Richard Russo *Doctor of Letters*

# Honors

## Senior Marshal

Justin Eddie Juskewitch

## Bachelor's Degrees with Honors

### *Summa Cum Laude*

Andriy Avramenko  
Seth Cary Aylmer  
Miranda Rose Bertram  
Katherine Clara Brown  
Douglas Alexander Calhoun  
Gregory Alan Cary  
Brenna Aislinn Cheslack-Postava  
Meredith Suzanne Collins  
Cassandra May Cote  
Cynthia Jean Davies  
Erin Christine Dube  
Camille Eveleen Dugan  
Brian Paul Foley  
Molly Jean Given  
Michael Benjamin Greenberg  
Isaac Finnegan Griffith-Onnen  
Jessica Hall Hayward  
Michael Henderson-Cohen  
Elizabeth Laura Holmes  
Win Mar Htay  
Kathryn Parsons Hulick  
Molly Reeder Hyde  
Aimee Lynn Jack  
Sarah Charlotte Jasinski  
Erica Lyn Joseffy  
Justin Eddie Juskewitch  
Sarah Berne Kaminshine  
Emily Hansar Laubscher  
Siqing Ma  
Emma Marie McCandless  
Megan Head Meehan  
Christine Ambika Mehta  
Boryana Vladimirova Miteva  
Gavin Eastwood O'Brien  
Aubris Lace Pfeiffer  
Diego Sebastian Puig  
Peter Rashkov  
Megan Zust Reddy  
Benjamin Fox Ricciardi  
Peter John Rice  
Keith Patrick Romano  
Jennifer Beth Rosenberg  
Anna Marie Royer  
Valentina Saltane  
Kristin Chesson Saucier  
Elizabeth Clark Schundler  
Caitlin Elizabeth Slodden  
Edward Foley Smith

Alan Webb Stimpson  
Rachel Sarah Tobie  
Dana Leigh Wheeler  
Laurel Ann Woodward  
Sarah Elizabeth Wright

### *Magna Cum Laude*

Naomi Jessica Appel  
Nurlan Assilbekov  
Rebecca Leigh Avrutin  
Amanda Lisa Baer  
Daniel Julian Barnes  
Erica Caitlin Bauer  
Jason Allen Havey Beal  
Justine Katherine Belvin  
Jared David Berezin  
Emily Lauren Bernier  
Aaron Jonathan Blank  
Elizabeth Jane Bomze  
Jason C. Bougere  
Kristin Mallen Carlson  
Caitlin Elizabeth Cassis  
Sarah Nell Chapple-Sokol  
Anne Selden Christman  
Benjamin Wilson Coerper  
Lynn Courtney Cole  
Ellen Corey  
Meredith Jean Crane  
Michael Sean Crawford  
Leigh Erwin Cummings III  
Trevor William Eide  
Natalie Laine Erickson  
Rebecca Elizabeth Evans  
Spencer Atwood Fenniman  
Kristin Leigh Flanders  
David Lawrence Fouche  
Kimberly Ann Francetich  
Alicia Marie Freese  
Matthew David Getty  
Claire Krueger Goodman  
Sarah Elizabeth Goodwin  
Chelsie Hannon Gosk  
Lindsay Elizabeth Grossman  
Holli Beth Grover  
Joshua Tever Gutierrez  
Laurel Ann Haeusslein  
Michael Robert Haley  
Zoe Elizabeth Hallowell  
Victoria Christine Hayes  
Julianne Marie Heck  
Kathryn Ellen Heidemann  
Kirsten Jeanne Helmcke  
Joshua Richard Whittier Hunnewell

Emma J. James  
 Jeremy Paul Jamieson  
 Serena Claire Josephs  
 Jennifer Ruth Kalman  
 Elizabeth Abbey Kaplan  
 Evan Daniel Kearns  
 Jason Alexander Koch  
 Kyle Benjamin Kreiss  
 Brittany Anne Kureth  
 Jacqueline Michelle Kuzell  
 Juliet McLure Land  
 Stephanie Parish Lane  
 Brittney Perryn Lazar  
 Samuel Alexander Ludwig  
 Cynthia Joan Malik  
 Nicholas Owen Markham  
 Ashley Diane Martin  
 Nina Maria Martin  
 Ariel Martin-Cone  
 Kelly Ann McGowan  
 Michael James McMullen  
 Dawn M. Mertineit  
 Stephen Michael Migausky  
 Caroline Anne Minkoff  
 Laura Harkins Mistretta  
 Catherine Patricia Mongeon  
 Jesse Anne Morrissey  
 Leah Culler Morrison  
 Jennifer Leigh Munroe  
 Henry August Munter  
 Amanda Brant Murphy  
 Diane Elizabeth Nelson  
 Elizabeth Ellen Neumann  
 Heather Anna Ogilvy  
 Anne Elizabeth Olmsted  
 Nicholas Wilson Owens  
 Kristina Lynn Pelletier  
 Christine Margaret Pennypacker  
 Jordana Lee Pickman  
 Carolyn Keber Plant  
 Emily Henrion Posner  
 Karen Margaret Prager  
 Emily Marie Quann  
 Matthew Delis Ritter  
 Kevin James Rooney  
 Rosemary Cecelia Rouhana  
 Adam Phillip Saltsman  
 Kristin Diana Schaefer  
 Jack Spalding Schroder III  
 Johanna Lee Wolters Schroeder  
 Phillip Edward Scuderi  
 Christina E. Sinnamon  
 Timothy Paul Smith  
 Sarah Elizabeth Starr  
 Abigail Stella  
 Kelly Elizabeth Stoops

Kimberly Michelle Strader  
 Kulli Tamm  
 Monica J. Thomas  
 Amy Elizabeth Tolsdorf  
 Allison Paige Turner  
 William Christopher Twible  
 Elizabeth Secontina Tyler  
 Ryan Nicolaysen Tyler  
 Vanessa Lynn Verri  
 Ona Virketyte  
 Crystal Marie Ward  
 Rachel Allison Wasdyke  
 Abigail Grace Wheeler  
 Emily Anne Williamson  
 Jeffery Chi Wong  
 Molly Peyton Wyatt  
 William David Younker II

*Cum Laude*

Lauren Marie Abbott  
 Lindsay Nicole Antolino  
 Marc-Antoine Attiyeh  
 Christine Elizabeth Atwood  
 Erica Lynne Ayotte  
 Matthew Scott Bacon  
 Jill Kristen Barnes  
 Laura Jan Barrow  
 Nicholas Andrews Battista  
 Lorraine Marie Beane  
 Amy Louise Bennett  
 Jared John Bisogni  
 Susan C. Blair  
 Nicollette Bolton  
 Breilyn Ashley Brantley  
 Holly Jean Brown  
 Mahdi Wajih Bseiso  
 Jordan Ellen Burke  
 Alicia Mae Burrows  
 Jennifer Larke Carini  
 Jennifer Lynn Carpenter  
 Alexis Ann Caselle  
 Ann Marie Claflin  
 Amelia Sarah Confalone  
 Michael J. Cooper  
 Bethany Emilia Craig  
 Terri Cunningham  
 Charles Benson Data  
 Desirée DuBois Davis  
 Katherine Anne Detmer  
 Bonnie Louise Linder Dowling  
 Gregory Paul Dupuy  
 Janine Frances Elliott  
 Sara Alissa Feldman  
 Meghan Daly Finneran  
 Eric Harte Fitz  
 Sarah Gabrielle Gagnon



Raul Andres Garron  
 Jessalyn Gillum  
 Igor Vladimirovich Gnyp  
 Karen Mary Goldfarb  
 Michael Thomas Hepburn  
 Michael James Hildebrandt  
 Allyson Patricia Hill  
 Shannon Rae Hopkins  
 Thomas Newell Hunsdorfer  
 Cristina Gabriela Jaleru  
 Kristan Danielle Jiggetts  
 Mary Paula Karottki  
 Jessica Aubrey Kellett  
 Christine Marie Kennedy  
 Michael Cullen Kennedy  
 Ian Lasell Kimmich  
 Beth Anne Kittredge  
 Kristian Peter Knights  
 Allison Bright Kolkhorst  
 Daniel Paul Kosmala  
 Erik Horgan Lambert  
 Allison Katherine Lemke  
 Margaux Jeanne Leonard  
 Teresa Maria Leyro  
 Mary Caroline Liebman  
 Andrew Kenney Lizotte  
 Nicholas Reuben Loukes  
 Elizabeth Worth Lund  
 Robert David MacBain  
 Kyle Therese MacDonald  
 Trevor Ross Mackesey  
 Ross David Charles MacMillan  
 Marisa Danielle MacNaughton  
 Joshua L. McConnell  
 Andrew Alexander McKenna-Foster  
 Jonathan Daniel Meek  
 Nicholas Joseph Meintel  
 Celeste Marie Miliard  
 Jennifer Anne Mojo  
 Elena Dawn Morgenroth  
 Jonathan Michael Nickerson  
 John Nicolas Nicoletta  
 Rachel Theresa Noiseux  
 Sohrab Fallah Noshirvani  
 Laura Lynne Olenick  
 Chyann L. Oliver  
 David Hartman Olsen  
 Kathryn Elizabeth O'Neill  
 Christof H. Pfeiffer  
 Kellie Kathleen Phelan  
 Louisa Hale Phinney  
 Ashley A. Porter  
 Rohit Paul Punyani  
 Christina Maria Ramos  
 Benjamin Francis Raphael

Laura Anne Reese  
 Matthew Riportella-Crose  
 Robert Tully Rohrer  
 Jonathan Joseph Romak  
 Melissa Cristina Rosales  
 Katherine M. Russo  
 Samantha Kate Saeger  
 Ben Kaplan Sanoff  
 Steven Corey Sarno  
 Orlena Helen Scoville  
 Bradford Duffy Seymour  
 Meaghan Kathleen Shea  
 Michael Connors Shea  
 Margaret Ann Siciliano  
 Ana Cristina Sisson  
 Joseph Christian Siviski  
 Jacqueline Robin Smith  
 Scott Rogers Smith  
 Laura Leigh Snow  
 Derek Spencer Snyder  
 Karsten Leigh Solberg  
 Anna Beth Sommo  
 Ellen Chesley Soucy  
 Nathaniel Terry Stanglein  
 Amanda Elizabeth Stanke  
 Rumbidzai Sundire  
 Katherine Elisabeth Sweeney  
 Caroline Swindells  
 Elizabeth Dickson Turnbull  
 John Alistair Tyson  
 Kathryn Kirby Weiler  
 Emily Louise Weiser  
 Kelly Elizabeth Welch  
 Katherine Davenport Wheeler  
 Rebecca Sara White  
 Laurel Anne Walsh Wolfrum  
 Sarah Grace Wolfrum  
 Jessie Luca Zerendow

### **Honors Programs**

#### *Honors in American Studies*

Jordan Ellen Burke  
 Alicia Mae Burrows  
 Kristan Danielle Jiggetts  
 Juliet McLure Land  
 Kelly Ann McGowan  
 Johanna Lee Wolters Schroeder

#### *Honors in Anthropology*

Michael Benjamin Greenberg  
 Adam Phillip Saltsman  
 Vanessa Lynn Verri

#### *Honors in Biology*

Naomi Jessica Appel  
 Miranda Rose Bertram

Gregory Alan Cary  
 Meredith Jean Crane  
 Molly Reeder Hyde  
 Nicholas Owen Markham  
 Aubris Lace Pfeiffer

*Honors in Chemistry*

Brian Paul Foley  
 Justin Eddie Juskewitch  
 Keith Patrick Romano  
 Eric George Roy

*Honors in Computer Science*

Rachel Theresa Noiseux  
 Kevin J. Septor

*Honors in Economics*

Andriy Avramenko  
 Katherine Clara Brown

*Honors in Economics-Mathematics*

Raul Andres Garron

*Honors in English*

Rebecca Leigh Avrutin  
 Jared David Berezin  
 Elizabeth Jane Bomze  
 Kristin Leigh Flanders  
 Sarah Elise Getchell  
 Chelsie Hannon Gosk  
 Laurel Ann Haeusslein  
 Erik Horgan Lambert  
 Andrew Kenney Lizotte  
 Elizabeth Worth Lund  
 Emma Marie McCandless  
 Henry August Munter  
 Amanda Elizabeth Stanke

*Honors in Environmental Policy*

Kellie Kathleen Phelan

*Honors in Geology*

Robin Harris Nesbeda

*Honors in Government*

Laura Harkins Mistretta

*Honors in History*

Holli Beth Grover  
 Margaux Jeanne Leonard  
 Karen Margaret Prager  
 Karsten Leigh Solberg

*Honors in Human Development*

Ariel Martin-Cone

*Honors in International Studies*

Caitlin Elizabeth Cassis  
 Spencer Atwood Fenniman  
 Elizabeth Laura Holmes  
 Kristin Chesson Saucier

*Honors in Latin American Studies*

Emily Henrion Posner  
 Melissa Cristina Rosales

*Honors in Mathematics*

Justin Eddie Juskewitch  
 Sarah Berne Kaminshine  
 Peter Rashkov  
 Rumbidzai Sundire

*Honors in Physics*

Jennifer Larke Carini

*Honors in Philosophy*

Edward Foley Smith

*Honors in Psychology*

Jeremy Paul Jamieson

*Honors in Religious Studies*

Jennifer Lynn Carpenter  
 Michael J. Cooper  
 Lindsay Elizabeth Grossman

*Honors in Sociology*

Brittney Perryn Lazar

*Honors in Women's, Gender,  
 and Sexuality Studies*

Chyann L. Oliver

**Distinction in Major**

*American Studies*

Jordan Ellen Burke  
 Alicia Mae Burrows  
 Molly Jean Given  
 Kristan Danielle Jiggetts  
 Elizabeth Abbey Kaplan  
 Juliet McLure Land  
 Kelly Ann McGowan  
 Johanna Lee Wolters Schroeder

*Anthropology*

Emily Lauren Bernier  
 Jason C. Bougere  
 Sarah Nell Chapple-Sokol  
 Spencer Atwood Fenniman  
 Michael Benjamin Greenberg  
 Mary Frances McGowan

Gavin Eastwood O'Brien  
 Melynda Elizabeth Pealer  
 Morgan Suzanne Pratt  
 Emily Marie Quann  
 Adam Phillip Saltsman  
 Caitlin Elizabeth Slodden  
 Vanessa Lynn Verri  
 Sabina Katherine Warren  
 Marshall Walter White

#### *Art*

Matthew Scott Bacon  
 Allyson Patricia Hill  
 Kathryn Parsons Hulick  
 Allison Katherine Lemke  
 Marisa Danielle MacNaughton  
 Joshua L. McConnell  
 Jesse Anne Morrissey  
 Anne Elizabeth Olmsted  
 Carolyn Kristine Potz  
 Karsten Leigh Solberg  
 Elizabeth Secontina Tyler  
 John Alistair Tyson  
 Crystal Marie Ward  
 Rebecca Sara White  
 Emily Anne Williamson

#### *Biology*

Miranda Rose Bertram  
 Gregory Alan Cary  
 Bethany Emilia Craig  
 Meredith Jean Crane  
 Rebecca Elizabeth Evans  
 Molly Reeder Hyde  
 Jennifer Ruth Kalman  
 Brittany Anne Kureth  
 Nicholas Owen Markham  
 Michael James McMullen  
 Jennifer Leigh Munroe  
 Aubris Lace Pfeiffer  
 Jordana Lee Pickman  
 Jennifer Beth Rosenberg

#### *Chemistry*

Meredith Suzanne Collins  
 Brian Paul Foley  
 Jessica Hall Hayward  
 Justin Eddie Juskewitch  
 Laura Lynne Olenick  
 Keith Patrick Romano

#### *Classics*

Brian Paul Foley

*Cognitive Anthropology (independent)*  
 Cynthia Jean Davies

#### *Computer Science*

Mahdi Wajih Bseiso  
 David Alexandre Cohen  
 Win Mar Htay  
 Eric Scott McAllister  
 Rachel Theresa Noiseux  
 Kevin J. Septor  
 Monica J. Thomas

#### *East Asian Studies*

Douglas Alexander Calhoun  
 Isaac Finnegan Griffith-Onnen  
 Shannon Rae Hopkins  
 Anna Marie Royer  
 Michael Charles Schnurr

#### *Economics*

Nurlan Assilbekov  
 Christine Elizabeth Atwood  
 Andriy Avramenko  
 Daniel Julian Barnes  
 Katherine Clara Brown  
 Alexis Ann Caselle  
 David Alexandre Cohen  
 Igor Vladimirovich Gnyp  
 Michael Henderson-Cohen  
 Evan Daniel Kearns  
 Kyle Benjamin Kreiss  
 Siqing Ma  
 Ross David Charles MacMillan  
 Nicholas Joseph Meintel  
 Stephen Michael Migausky  
 Boryana Vladimirova Miteva  
 Nicholas Wilson Owens  
 Christof H. Pfeiffer  
 Benjamin Fox Ricciardi  
 Jack Spalding Schroder III  
 Jacqueline Robin Smith  
 Derek Spencer Snyder  
 Kulli Tamm  
 William Christopher Twible

#### *Economics-Mathematics*

Raul Andres Garron

#### *Economics-Mathematics: Public Policy*

*Concentration*  
 Peter Rashkov

#### *English*

Lindsay Nicole Antolino  
 Rebecca Leigh Avrutin  
 Jared David Berezin  
 Aaron Jonathan Blank  
 Elizabeth Jane Bomze  
 Erin Christine Dube

Camille Eveleen Dugan  
 Sara Alissa Feldman  
 Kristin Leigh Flanders  
 Sarah Gabrielle Gagnon  
 Sarah Elise Getchell  
 Molly Jean Given  
 Chelsie Hannon Gosk  
 Laurel Ann Haeusslein  
 Julianne Marie Heck  
 Aimee Lynn Jack  
 Ian Lasell Kimmich  
 Andrew Kenney Lizotte  
 Elizabeth Worth Lund  
 Robert David MacBain  
 Marisa Danielle MacNaughton  
 Ashley Diane Martin  
 Emma Marie McCandless  
 Caroline Anne Minkoff  
 Henry August Munter  
 Elizabeth Ellen Neumann  
 Rosemary Cecelia Rouhana  
 Ana Cristina Sisson  
 Edward Foley Smith  
 Scott Rogers Smith  
 Amanda Elizabeth Stanke  
 Sarah Elizabeth Starr  
 Alan Webb Stimpson  
 Kimberly Michelle Strader  
 Amy Elizabeth Tolsdorf  
 Crystal Marie Ward  
 Rachel Allison Wasdyke  
 Abigail Grace Wheeler  
 Laurel Anne Walsh Wolfrum  
 Laurel Ann Woodward  
 Molly Peyton Wyatt

*Environmental Studies: Policy Concentration*

Lauren Marie Abbott  
 Sarah Elizabeth Goodwin  
 Jessica Aubrey Kellett  
 Robert Tully Rohrer  
 Kelly Elizabeth Stoos  
 Dana Leigh Wheeler

*French Literature*

Chelsie Hannon Gosk  
 Ashley Diane Martin

*French Studies*

Lynn Courtney Cole  
 Cassandra May Cote  
 Kyle Therese MacDonald  
 Dawn M. Mertineit  
 Christine Margaret Pennypacker  
 Kevin James Rooney  
 Ellen Chesley Soucy

*Geology*

Lorraine Marie Beane  
 Robert Wentworth Selover

*German Language and Literature*

Katherine Clara Brown  
 Michael Robert Haley

*German Studies*

Christine Ambika Mehta

*Government*

Jason Allen Havey Beal  
 Brenna Aislinn Cheslack-Postava  
 Lynn Courtney Cole  
 Leigh Erwin Cummings III  
 Charles Benson Data  
 Meghan Daly Finneran  
 Matthew David Getty  
 Karen Mary Goldfarb  
 Holli Beth Grover  
 Joshua Richard Whittier Hunnewell  
 Emma J. James  
 Stephanie Parish Lane  
 Kyle Therese MacDonald  
 Megan Head Meehan  
 Christine Ambika Mehta  
 Caroline Anne Minkoff  
 Laura Harkins Mistretta  
 Catherine Patricia Mongeon  
 Nicholas Wilson Owens  
 Diego Sebastian Puig  
 Matthew Delis Ritter  
 Michael Connors Shea  
 Edward Connor Sullivan  
 Zombor Andras Zoltani

*History*

Kristin Mallen Carlson  
 Anne Selden Christman  
 Amelia Sarah Confalone  
 Camille Eveleen Dugan  
 Holli Beth Grover  
 Serena Claire Josephs  
 Margaux Jeanne Leonard  
 Kelly Ann McGowan  
 Stephen Michael Migausky  
 Celeste Marie Miliard  
 Christine Margaret Pennypacker  
 Carolyn Keber Plant  
 Karen Margaret Prager  
 Karsten Leigh Solberg  
 Derek Edwin Taff



*Human Development (independent)*

Amanda Lisa Baer  
 Laura Jan Barrow  
 Ariel Martin-Cone

*International Studies*

Andriy Avramenko  
 Matthew Scott Bacon  
 Alexis Ann Caselle  
 Caitlin Elizabeth Cassis  
 Terri Cunningham  
 Bonnie Louise Linder Dowling  
 Spencer Atwood Fenniman  
 Kimberly Ann Francetich  
 Elizabeth Laura Holmes  
 Emma J. James  
 Mary Paula Karottki  
 Kyle Benjamin Kreiss  
 Jacqueline Michelle Kuzell  
 Samuel Alexander Ludwig  
 Edward Drew McKechnie  
 Kevin James Rooney  
 Valentina Saltane  
 Ben Kaplan Sanoff  
 Kristin Chesson Saucier  
 Orlena Helen Scoville  
 Laura Leigh Snow  
 Kulli Tamm  
 Ona Virketyte  
 Sarah Grace Wolfrum  
 Jessie Luca Zerendow

*Latin American Studies*

Beth Anne Kittredge  
 Amanda Brant Murphy  
 Emily Henrion Posner  
 Kristin Chesson Saucier  
 Timothy Paul Smith

*Mathematical Sciences*

Daniel Julian Barnes  
 Brenna Aislinn Cheslack-Postava  
 Michael James McMullen  
 Peter John Rice  
 Elizabeth Clark Schundler  
 Rumbidzai Sundire

*Mathematics*

Nurlan Assilbekov  
 Justin Eddie Juskewitch  
 Sarah Berne Kaminshine  
 Siqing Ma  
 Boryana Vladimirova Miteva  
 Peter Rashkov  
 Ryan Nicolaysen Tyler

*Medieval and Renaissance Studies (independent)*

Joshua L. McConnell

*Music*

Jared John Bisogni  
 Benjamin Wilson Coerper  
 Victoria Christine Hayes  
 Kathryn Ellen Heidemann  
 Natalie Charlotte McKechnie  
 Jonathan Daniel Meek  
 Heather Anna Ogilvy  
 Rebecca Caroline Taylor  
 Sarah Elizabeth Wright

*Philosophy*

Seth Cary Aylmer  
 Jason Allen Havey Beal  
 Joshua Tever Gutierrez  
 Jason Alexander Koch  
 Phillip Edward Scuderi  
 Edward Foley Smith

*Physics*

Jennifer Larke Carini  
 David Lawrence Fouche  
 Andrew Alexander McKenna-Foster  
 Peter John Rice  
 Elizabeth Clark Schundler  
 Monica J. Thomas  
 Ryan Nicolaysen Tyler

*Psychology*

Jill Kristen Barnes  
 Erica Caitlin Bauer  
 Susan C. Blair  
 Alicia Marie Freese  
 Jeremy Paul Jamieson  
 Sarah Charlotte Jasinski  
 Erica Lyn Joseffy  
 Emily Hansar Laubscher  
 Diane Elizabeth Nelson  
 Kristina Lynn Pelletier  
 Louisa Hale Phinney  
 Megan Zust Reddy  
 Katherine Elisabeth Sweeney  
 Jeffery Chi Wong

*Psychology: Neuroscience Concentration*

Kristin Diana Schaefer

*Religious Studies*

Jennifer Lynn Carpenter  
 Michael J. Cooper  
 Cassandra May Cote  
 Michael Sean Crawford  
 Natalie Laine Erickson

Lindsay Elizabeth Grossman  
 Adrian Stewart LaRochelle  
 Gavin Eastwood O'Brien  
 Jack Spalding Schroder III

*Russian Language and Culture*  
 Ellen Corey

*Science, Technology, Society (independent)*  
 Lauren Marie Abbott  
 Nicholas Andrews Battista  
 Ashley A. Porter

*Sociology*  
 Justine Katherine Belvin  
 Gregory Paul Dupuy  
 Alicia Marie Freese  
 Jessalyn Gillum  
 Joshua Tever Gutierrez  
 Michael James Hildebrandt  
 Brittney Perryn Lazar  
 Mary Caroline Liebman  
 Laura Anne Reese  
 Allison Paige Turner

*Spanish*  
 Anne Selden Christman  
 Natalie Laine Erickson  
 Kimberly Ann Francetich  
 Sarah Gabrielle Gagnon  
 Claire Krueger Goodman  
 Joshua Richard Whittier Hunnewell  
 Beth Anne Kittredge  
 Cynthia Joan Malik  
 Amanda Brant Murphy  
 Ana Cristina Sisson  
 Timothy Paul Smith  
 Laurel Ann Woodward

*Theater and Dance*  
 Breilyn Ashley Brantley  
 Holly Jean Brown  
 Michael Thomas Hepburn  
 Elizabeth Ellen Neumann  
 Bradford Duffy Seymour

*Women's Studies*  
 Rebecca Leigh Avrutin  
 Juliet McLure Land

*Women's, Gender, and  
 Sexuality Studies*  
 Chyann L. Oliver  
 Caitlin Elizabeth Slodden  
 Megan Louise Williams

*Word and Image Studies (independent)*  
 Rachel Sarah Tobie

## **Phi Beta Kappa**

Seth Cary Aylmer  
 Erica Caitlin Bauer  
 Miranda Rose Bertram  
 Jason C. Bougere  
 Katherine Clara Brown  
 Douglas Alexander Calhoun  
 Brenna Aislinn Cheslack-Postava  
 Anne Selden Christman  
 Meredith Suzanne Collins  
 Ellen Corey  
 Cassandra May Cote  
 Leigh Erwin Cummings III  
 Cynthia Jean Davies  
 Erin Christine Dube  
 Camille Eveleen Dugan  
 Brian Paul Foley  
 Matthew David Getty  
 Molly Jean Given  
 Michael Benjamin Greenberg  
 Isaac Finnegan Griffith-Onnen  
 Michael Henderson-Cohen  
 Elizabeth Laura Holmes  
 Win Mar Htay  
 Kathryn Parsons Hulick  
 Molly Reeder Hyde  
 Aimee Lynn Jack  
 Sarah Charlotte Jasinski  
 Erica Lyn Joseffy  
 Serena Claire Josephs  
 Justin Eddie Juskewitch \*  
 Jennifer Ruth Kalman  
 Sarah Berne Kaminshine  
 Emily Hansar Laubscher  
 Siqing Ma  
 Emma Marie McCandless  
 Megan Head Meehan  
 Christine Ambika Mehta  
 Boryana Vladimirova Miteva  
 Gavin Eastwood O'Brien  
 Kristina Lynn Pelletier  
 Aubris Lace Pfeiffer  
 Karen Margaret Prager  
 Diego Sebastian Puig  
 Megan Zust Reddy  
 Benjamin Fox Ricciardi  
 Keith Patrick Romano \*  
 Jennifer Beth Rosenberg  
 Anna Marie Royer  
 Valentina Saltane  
 Kristin Chesson Saucier  
 Jack Spalding Schroder III  
 Elizabeth Clark Schundler  
 Edward Foley Smith  
 Alan Webb Stimpson  
 Kulli Tamm  
 Rachel Sarah Tobie  
 Amy Elizabeth Tolsdorf  
 Abigail Grace Wheeler

Dana Leigh Wheeler  
Laurel Ann Woodward  
Sarah Elizabeth Wright

\*elected in junior year

### **Julius Seelye Bixler Scholars**

Cynthia Jean Davies  
Jessica Hall Hayward  
Win Mar Htay  
Justin Eddie Juskewitch  
Keith Patrick Romano

### **Charles A. Dana Scholars**

Michael Henderson-Cohen  
Sarah Charlotte Jasinski  
Anna Marie Royer  
Peter Penchev Rashkov

### **Ralph J. Bunche Scholars**

Breilyn Ashley Brantley  
Kristan Danielle Jiggetts  
Kimberly Bradley Prescott  
Betsaida Ramos  
Allison Paige Turner  
Jeffery Chi Wong

### **Senior Scholars**

David Alexandre Cohen  
*Constructing a Structural  
Macroeconomic Model Using Multiple  
Techniques*

Kathryn Parsons Hulick  
*Thought Made Visible*

Juliet McLure Land  
*Queer Mutiny: Theorizing a Radical Queer  
Movement*

Nina Maria Martin  
*Pesty Business: Mosquito Control on the  
North Shore of Boston, Massachusetts*

Chyann L. Oliver  
*Ghetto Feminism: Neo Black Feminism for  
the Black Hip-Hop Generation*

Rachel Sarah Tobie  
*Word and Image in the  
Contemporary Artist's Book*

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# College Calendar 2004-2005

## First Semester

Tuesday, August 31  
Wednesday, September 1, through Saturday, September 4  
Monday, September 6  
Wednesday, September 8  
Friday, October 1, through Sunday, October 3  
Monday and Tuesday, October 18 and 19  
Wednesday, November 24, through Sunday, November 28  
Friday, December 10  
Saturday, December 11  
Wednesday, December 15, through Monday, December 20  
Tuesday, December 21

Class of 2008 arrives for COOT  
COOT and orientation  
Dorms open; upperclasses return  
First classes  
Family Homecoming Weekend  
Fall break (no classes)  
Thanksgiving recess  
Last classes of first semester  
Last day for scheduled events  
Semester examinations  
Dorms close for winter recess

## January Term

Sunday, January 2  
Monday, January 3, through Thursday, January 27

Mid-year students arrive  
January Program

## Second Semester

Wednesday, February 2  
Saturday, March 19, through Sunday, March 27  
Friday, May 6  
Saturday, May 7  
Wednesday, May 11 through Monday, May 16  
Saturday, May 21  
Sunday, May 22

First classes  
Spring recess (dorms closed)  
Last classes of second semester  
Last day for scheduled events  
Semester examinations  
Baccalaureate  
Commencement

# College Calendar 2005-2006

## First Semester

Tuesday, August 30  
 Wednesday, August 31, through Saturday, September 3  
 Monday, September 5  
 Wednesday, September 7  
 Monday and Tuesday, October 10 and 11  
 Friday, October 28, through Sunday, October 30  
 Wednesday, November 23, through Sunday, November 27  
 Friday, December 9  
 Saturday, December 10  
 Wednesday, December 14, through Monday, December 19  
 Tuesday, December 20

Class of 2009 arrives for COOT  
 COOT and orientation  
 Dorms open; upper classes return  
 First classes  
 Fall break (no classes)  
 Family Homecoming Weekend  
 Thanksgiving recess  
 Last classes of first semester  
 Last day scheduled events  
 Semester examinations  
 Dorms close for winter recess

## January Term

Tuesday, January 3  
 Wednesday, January 4, through Tuesday, January 31

Mid-year students arrive  
 January Program

## Second Semester

Monday, February 6  
 Saturday, March 25, through Sunday, April 2  
 Friday, May 12  
 Saturday, May 13  
 Wednesday, May 17, through Monday, May 22  
 Saturday, May 27  
 Sunday, May 28

First classes  
 Spring recess (dorms closed)  
 Last classes of second semester  
 Last day for scheduled events  
 Semester examinations  
 Baccalaureate  
 Commencement

The College reserves the right in its sole judgment to make changes of any nature in its program, calendar, or academic schedule whenever it is deemed necessary or desirable, including changes in course content, the rescheduling of classes with or without extending the usual academic term, cancellation of scheduled classes and other academic activities, and requiring or affording alternatives for scheduled classes or other academic activities, in any such case giving such notice thereof as is reasonably practicable under the circumstances.

Colby's academic calendar is online at [www.colby.edu/college/acad\\_cal/](http://www.colby.edu/college/acad_cal/)

Admissions Office  
Colby College  
Waterville, Maine 04901

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