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COLBY COLLEGE CATALOGUE

2002-2003



Colby



Colby College Catalogue

SEPTEMBER 2002-AUGUST 2003

Waterville, Maine

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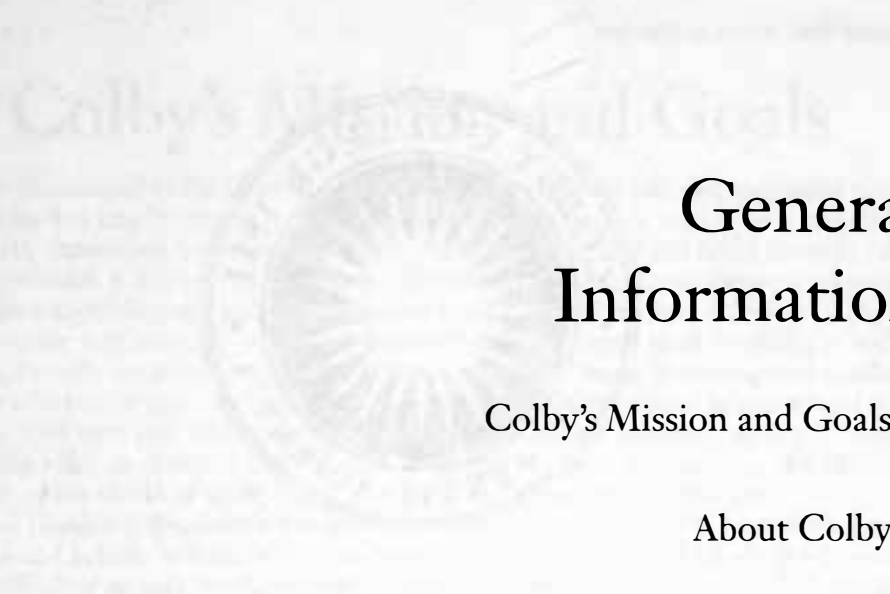
College World Wide Web address: www.colby.edu

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, 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.



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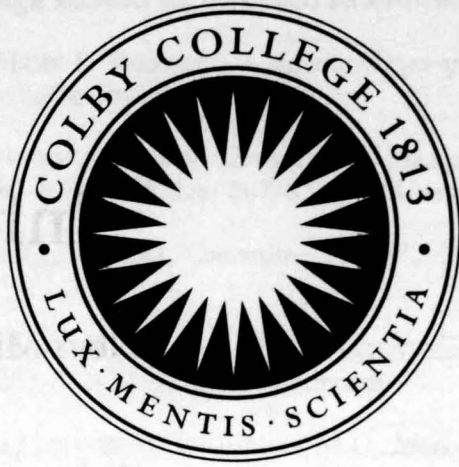
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Colby's Mission and Goals

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, without which we become parochial; for respect for various lifestyles and beliefs, without which we become mean-spirited; and for the protection of every individual against discrimination. In the classroom and outside, there is freedom to study, to think, to speak, and to learn in an environment that insists upon the free and open exchange of ideas and views

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, 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.

Today, Colby's 1,800 students—evenly divided between men and women—come from virtually every state and about 60 foreign countries. Alumni, numbering more than 22,500, are represented in all 50 states and 75 foreign countries. Students may choose from some 500 courses in 54 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.

The Commons Plan was designed to reinforce and amplify these values. The Commons Plan, which followed the 1984 decision to withdraw recognition from Colby's fraternities, offers a number of advantages to students. There are three small communities or "commons," each with its own dining facilities and governing units. Housing of all kinds throughout the campus is available on an equal basis to all students, and students play a greater role in the control and governance of the public spaces within the Commons, including the dining halls. Out-of-class faculty-student interaction is enhanced, and opportunities for the development and expression of individual student leadership come from involvement with the governing bodies and from organizing intellectual and social activities within the Commons.

The Cotter Union serves as a focus for the Commons Plan and as a forum for campus-wide social and cultural activities.

Lovejoy Commons is named for Elijah Parish Lovejoy, a graduate of the Class of 1826, who became America's first martyr for the free press when he was killed by a pro-slavery mob in Alton, Illinois, in 1837. Lovejoy Commons includes Anthony-Mitchell-Schupf residence halls, Averill Hall, and the residence halls of the Hillside Complex and The Heights.

Johnson-Chaplin Commons is named for Franklin Winslow Johnson and for Jeremiah Chaplin. Johnson was Colby's 15th president (1929-42), who inspired the College's move to the Mayflower Hill campus. Chaplin was Colby's founder and first president, who served from 1818 to 1833. This Commons includes Johnson Hall, East Quad, and the residence halls of Piper, Drummond, and Goddard-Hodgkins as well as West Quad, and Grossman, Treworgy, Pierce, and Perkins-Wilson residence halls.

Mary Low Commons is named in honor of Colby's first woman graduate, Class of 1875. Included in this Commons are the residence halls of Dana, Foss, Woodman, Coburn, and Mary Low.

The Harold and Bibby Alford Residence Complex offers independent living for more than 100 seniors each year. Each of the 22 apartment-style units has a full kitchen, bath, and single rooms.

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 provide attractive surroundings for study and research at three campus locations. 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, Special Collections, and the library's administrative and technical staff. The branch library for art and music is in the Bixler Art and Music Center and features a listening center and a rapidly growing slide collection. The science library, in the F.W. Olin Science Center, includes individual as well as group study areas, each complete with computer network access, and incorporates the geology map collection. The Colby libraries are open from early morning until late at night throughout the academic year and during daytime hours in the summer. Some study areas and a computer cluster are open 24 hours a day.

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 2,700 currently received periodicals, many long runs of retrospective periodicals of historical and scholarly value, and daily newspapers from this country and abroad. Miller Library is a depository for U.S. and Maine state documents.

An active consortium with Bates, Bowdoin, and the University of Maine has resulted in mutual online access to our catalogs and to rapid lending of materials among the three institutions. Reference librarians and interlibrary loan staff help researchers identify and obtain resources beyond those in the CBB collections.

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 World Wide Web site (<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, labs, and administrative offices, although there is a trend, with the dual standard in place beginning in 1998, toward more equal distribution. Both Macintosh and Windows 2000 systems are available in the Lovejoy cluster (Lovejoy 400). Macs are located in the Olin computer classroom (Olin 323), and Windows 2000 computers are located in the library cluster (Miller 16) and the Davis Educational Foundation Electronic-Research classroom in the library. Specialized Macintosh and Windows computing facilities dedicated to particular departments are located in Biology, Chemistry, Computer Science, Economics, Geology, Language Resource Center, Mathematics, Music, Physics, and Psychology. About 94 percent of all students own a computer.

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 World Wide Web server. Access to these computers 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. The College has high-speed (20 Mbps over two partial T3s) Internet access.

Assistance can be obtained from the student consultants at Student Computer Services, located next to the Lovejoy cluster, and from the staff of Information Technology Services. 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. Web pages provide online information (www.colby.edu/info.tech).

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 65 percent of classrooms have installed data/video display technology.) In addition to offering the traditional equipment delivery and loan services, the group also produces educational materials and provides instruction in many media-related areas. A full complement of equipment, from overhead projectors and computer projection systems to portable video recorders and video editing stations for student and faculty use, as well as video conference facilities, is maintained. 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 Information Technology Services and the president. All meetings are open, and those interested in computing issues are encouraged to attend and participate in discussions.

Information about Colby's current events, publications, and academic programs is available on the World Wide Web (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 70 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 Church Music Institute, Great Books, and the Piano Institute. 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. In the summer of 2001, Colby was 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. Six conferences were 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 are also 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 or by visiting the Special Programs Web site (www.colby.edu/spec.prog/).

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 CHOICES, a computer program that provides 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).

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 Portland, 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 MCAT are administered at Colby at least twice 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, sponsor internships for January and the summer, and provide housing for interns and job seekers in their areas. 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, 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-five percent of the members of the Class of 2002 graduated from Colby in four years. The six-year graduation rate of the Class of 2000 was 88 percent.

Application Schedule

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

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 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 five days a week (Sunday through Thursday) 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.

For those driving, Colby is located near exit 33 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 Reasoning Test or the ACT tests. 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.

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. 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 and of a TB skin test 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, mumps, and rubella vaccines given after the first birthday.

Not required but recommended is the hepatitis B immunization series. Discuss with a health care provider the advisability of chicken pox and meningitis vaccines. 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 may also be acceptable. Details can be found in the Immunization Policy mailed to all students. If proof cannot be obtained, vaccines should be administered again by your health care provider before coming to Colby. Physical exams and immunization forms are expected to 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 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, who have attended a 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 Foreign Student’s Financial Aid Application and

Declaration Form, 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 intercultural activities, and an assistant 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

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 A mathematics placement questionnaire must be completed prior to registration by all first-year students who intend to take Mathematics 101, 121, 122, 131, or 161 in the fall semester. The purpose of this questionnaire is to indicate the course most appropriate for the individual student. Final decision on placement rests with the chair of the Department of Mathematics.

First-year students who intend to register for a "no prerequisite course" (Mathematics 111 or 112) need not complete this questionnaire.

First-year students who intend to register for Mathematics 231, 253, 262, or 274 should consult with their advisors and with the chair of the Department of Mathematics.

During orientation, first-year students will have the opportunity to attend a mathematics placement meeting with the faculty to discuss their placement.

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 2002-2003

	<i>Sem. I</i>	<i>Sem. II</i>	<i>Total</i>
Comprehensive Fee	\$17,900	\$17,900	\$35,800

Calendar of Payments 2002-2003

<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.	\$17,900
<i>August 1:</i> Colby Outdoor Orientation Trip fee—new students only.	\$200
<i>January 1:</i> One half of annual basic charges.	\$17,900

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 federal loans or grants should be enrolled for at least 12 credit hours per semester to qualify for these funds. In these exceptional cases, students may be charged on a credit hour basis at the rate of \$1,050 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 \$975 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 \$2,135 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 student health insurance plan that the College provides as part of its health services package to all students who pay the general fee.

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 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 2001-2002 Colby and CBB off-campus programs are as follows:

Semester Charges

Colby in Cork	\$17,900
Colby in Dijon	\$17,900
Colby in St. Petersburg	\$17,900
Colby in Salamanca	\$17,900
Colby in Washington	\$12,420
CBB London Center	\$17,900
CBB Quito Center	\$17,900
CBB Cape Town Center	\$17,900

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 \$3,030 for tuition only for participating in the January Program.

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), 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, but 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 4 through September 14	.....	.90%
September 15 through October 5	.....	.50%
October 6 through October 26	.....	.25%
October 27 through December 17	.....	.0%

Spring Semester

February 5 through February 15	.....	.90%
February 16 through March 8	.....	.50%
March 9 through April 5	.....	.25%
April 6 through May 19	.....	.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.) This refund policy applies to the regular academic program on campus and to all Colby off-campus programs.

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 1½ percent to 3 percent per year 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. In order to ensure equal access and opportunity for students from all economic backgrounds, Colby awards more than \$14 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 645 students in 2001-2002 was \$21,940. 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 and the Colby aid supplement 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 until their junior year, 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 and Colby aid supplement 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 Financing Options at Colby College" 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.

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. 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 and the Commons, 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 the Colby College 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 the medical director or 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 the medical director, 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 professional is required before the student is readmitted to the College.

The director of counseling services and the medical director 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 Students live in three residential Commons, accommodating approximately 550 students each. Individual residence hall sizes range from 30 to 166 students per building. All 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 60 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) For the classes of 2003 and 2004: a minimum of 120 credit hours earned in at least eight semesters of full-time college-level study. Among the 120 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.

For the Class of 2005 and after: 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 or a score of 4 or 5 in Advanced Placement language or literature or 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 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. Courses meeting this requirement are identified in catalogue descriptions. A revision that would expand the Diversity requirement to two courses is currently under consideration. If approved, it would be in effect with the Class of 2007.

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). Starting in September 2002, these seminars will be a new requirement for all first-year students. 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 classes of 2003, 2004, and 2005 are required to complete the College's wellness requirement 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	Geology-Biology
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	Philosophy-Mathematics
Computer Science	Physics
East Asian Studies	Psychology
Economics	Religious Studies
Economics-Mathematics	Russian Language and Culture
English	Sociology
Environmental Studies: Policy	Spanish
Environmental Studies: Science	Theater and Dance
French Literature	Women's Studies
French 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 Sciences
 Economics: Financial Markets
 Geology: Earth Science
 Geology: Environmental Science
 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	Japanese
Art	Jewish Studies
Chemistry	Mathematics
Chinese	Music
Classical Civilization	Philosophy
Classics	Physics
Computer Science	Psychology
Creative Writing	Religious Studies
East Asian Studies	Russian Language and Literature
Economics	Science, Technology, and Society
Education	Theater and Dance
Education: Professional Certification	Women's 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; a student may elect one course in lieu of independent study. 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 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, 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 For the classes of 2003 and 2004: A student returning to college after an absence must meet any new requirements for graduation if fewer than 61 Colby credit hours had been earned prior to the absence. If more than 60 credits had been earned, the student may elect to meet either the new requirements or those in effect at the time of initial enrollment.

For the Class of 2005 and after: 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, government, history, international studies, Latin American studies, mathematics, philosophy, physics, psychology, religious studies, sociology, Spanish, and women's studies. Successful completion of an honors program, as determined by the department, will enable a student to graduate "With Honors in [major]."

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 and Charles A. Dana 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 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) 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 or Dana 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 World Wide 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 that they are maintaining a full course load of 12 or more credits (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. 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 24 credit hours or fewer than two semesters.

Sophomore standing: 24 to 53 credit hours and two or three semesters.

Junior standing: 54 to 83 credit hours and four or five semesters.

Senior standing: 84 or more credit hours and six or more semesters.

For the classes of 2005 and after, class standing is as follows:

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, German and Russian, Music, Philosophy, Spanish, Theater and Dance.

Division of Social Sciences, Professor James Meehan, chair, includes the departments of Administrative Science, Anthropology, Economics, Government, History, Psychology, Religious Studies, Sociology.

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

Division of Interdisciplinary Studies, Professor Thomas Tietenberg, chair, includes the department of Physical Education and the programs of African Studies, African-American Studies, American Studies, Creative Writing, Education and Human Development, Environmental Studies, International Studies, Jewish Studies, Latin American Studies, Science, Technology, and Society, and Women's 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 student's 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 and minor advisors, as well as 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 2002-2003 are due by March 15, 2002, regardless of the semester for which the student is applying. With some limited exceptions, Colby students normally study abroad for one semester. See the Office of Off-Campus Study for details.

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 has enabled Colby, Bates and Bowdoin colleges to establish a study abroad consortium. There are three CBB centers abroad, each offering a variety of study programs under the supervision and direction of faculty members from all three colleges. CBB centers include:

CBB London Center: Administered by Colby College, the CBB London Center is located on Bloomsbury Square, near the British Museum. In 2002-2003 it will offer programs in English literature and film, government, performing arts, architecture, economics, and philosophy. Elective courses and internships are offered each semester.

CBB Quito Center: Administered by Bates College, the CBB Center in Quito, Ecuador, is housed at the Andean Center for Latin American Studies (ACLAS). In 2002-2003 it will offer programs in biology and history.

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 2002-2003 it will offer programs in anthropology.

Courses for the CBB London Center, Fall Semester 2002

Economics Program (Director Patrice Franko, Colby)

International Economic Problems (Ms. Franko)

The course will analyze hot topics in international economics, addressing pressing issues on the economic agenda such as the role of multinational corporations, financial crises, agricultural policy, telecommunications policy, competition policy, and labor and globalization. In considering the effects of global markets it will also address economic externalities such as the environment, growing income inequality, and poverty. Class discussions will attempt to discern an “American” versus a “European” standpoint. It will also test Fred Bergsten’s (Institute for International Economics in Washington) proposition that the United States and Europe are on the brink of a major trade and economic conflict and will identify the policy responses from each side of the Atlantic that might promote stable, sustainable, global growth.

International Finance (Ms. Franko)

Students will gain the economic tools to analyze financial flows between nations, determine exchange rates, and understand the implications of key international prices for domestic performance. Students will examine problems of the international system and evaluate various policy options, particularly in how they relate to the U.S. and its relationship with the European Economic Union. In addition to lectures, the course will incorporate case studies.

Government Program (Director Sandy Maisel, Colby)

Comparative Political Parties (Mr. Maisel)

A comparative analysis of political parties and elections in the United States with those in other democracies, including Great Britain, France, Germany, Israel, Japan, and Australia. The course will be organized around concepts in the study of parties and elections—classifying party systems, party organizations, party identification and the meaning of partisanship, electoral systems, and so-called “second order” elections (e.g., to the European parliament)—and then would apply these concepts to particular systems as case studies.

Political Ethics (Mr. Maisel)

A discussion of critical ethical issues faced by governmental leaders throughout the world. After an initial examination of philosophical writings on the relationship between ethics and politics, we will examine a series of cases, including those involved with violence (e.g., the debate over nuclear disarmament), deception in government (e.g., the Iran-Contra case), policies regarding life and death (e.g., abortion and euthanasia), interventionist policies (e.g., the Balkans, Somalia), the relationship between politicians and the media and ethical imperatives facing legislators (in comparative perspective), and others.

Architecture and Urbanism in Modern Britain Program (Director Jill Pearlman, Bowdoin)

London: The Modern City in History (Ms. Pearlman)

The course will explore the evolution of the city of London and environs from 1660 to the present day. We will consider a variety of factors as determinants of urban form: changing cultural values, technological advancements, natural resources, social structure, geography, politics, economics, planning and design. Students will learn to read the city itself as a record of past and present negotiations between people and these forces, while also studying the rich literature of London’s urban history (e.g. Dyos, Sutcliffe, Ackroyd, Porter). The class will make numerous excursions to city sites as well as to museums and institutions relevant to our study (e.g., the Museum of the City of London, the London Transport Museum).

Modern Architecture in England, 1666-2002 (Ms. Pearlman)

This course will examine the major British buildings, architects, and architectural theories from the 17th century to the present. We will also pay particular attention to the changing conditions of architectural practice and to the rise of new building types during these centuries—from railroad stations to grand hotels. Major issues of study include the picturesque tradition, British Classicism, Gothic Revival, Arts and Crafts Movement, modernism and the re-emergence of tradition in post-modern British architecture. Our setting in London will afford us opportunity to visit many buildings and monuments firsthand, as will side trips to Bath and Oxford. We also attend lectures sponsored by London's lively architectural community, (e.g., at the Architectural Association near the CBB London Center).

Courses for the CBB London Center, Spring Semester 2003

British Film and Literature Program (Director Tricia Welsch, Bowdoin)

History of British Film (Ms. Welsch)

Surveys the first hundred years of British cinema from its beginnings in the silent period to contemporary films. Topics covered include invention of cinema and patterns of movie-going in the U.K., work of important directors and producers (Alfred Hitchcock, Carol Reed, Alexander Korda), changes brought by World War II, the Angry Young Men of the '50s and '60s, and recent developments ("heritage" films, post-colonial perspectives, Scottish film).

British Literature and Film (Ms. Welsch)

Considers the adaptation of short stories, novels, and plays into films as well as work by major writers directly for the screen. Examines the differing needs and priorities of writers working in different formats and the relation of readers to screen adaptations. Focuses on British writers, possibly to include Shelley, Brontë, Fowles, Pinter, McEwen, Hardy, Woolf, Forster, Shakespeare, Austen, Dickens, and O'Brien.

Biomedical Ethics and Public Policy in the U.S. and Britain Program (Director David Cummiskey, Bates College)

Biomedical Ethics (Mr. Cummiskey)

During the past 40 years, rapid changes in the biological sciences and medical technology have thoroughly transformed the practice of medicine. The added complexity and power of medicine has in turn revolutionized the responsibilities and duties that accompany the medical professions. This course explores the values and norms governing the very different health care systems and practices in the United States, Britain, and the Netherlands. Particular emphasis is placed on (i) the rights and responsibilities of health care providers and patients (issues of confidentiality, medical paternalism, and non-disclosure, informed consent, and surrogate decision making) and (ii) the justification for passive and active euthanasia and the practice of physician-assisted suicide. We examine the relationship between national health care systems and the patient-physician relationship. A service-learning component introduces students directly to the British health care system.

Justice, Utility, and Health Care Policies (Mr. Cummiskey)

The United States and Great Britain have quite different approaches to the access, allocation, and rationing of health care services. In the United States, access to health care is determined by individual access to private or public insurance. The "pay for services" model, combined with third party insurance, has resulted in skyrocketing health care costs (currently 14 percent of GDP compared to 7 percent GDP in Great Britain) and 41 million uninsured in the United States. Yet the United States also has one of the most advanced hi-tech health care systems in the world. Recently, the United States is shifting to a managed care

model of health insurance, which may limit health care spending but also threatens the quality of care and funding of medical education and research hospitals. The British model of a “single payer” and universal coverage succeeds in providing basic health care to all, at about half the costs, but also results in significant delays in access to service and rationing of access to many common procedures in the United States. This course focuses on differing conceptions of justice (socialism, liberal equality theory, and libertarianism) and issues of access to and rationing of health care services in the British and United States health care systems. We also evaluate the rationing of organs for transplant, age-based rationing, limits to access to new technologies and medicines, and the funding and constraints on medical research in the two health care systems.

Performing Arts Program (Director Anna Sullivan)

Acting I: Physical Theater and Performance (Ms. England)

This course will explore contemporary modes of physical theater and performance in British and European Theater. Through working together in an ensemble, students will learn a basic physical theater vocabulary. The emphasis of the course is to develop new skills, explore the group imagination and apply the techniques to a wide range of large scale play texts, including Greek Tragedy, Shakespeare, Restoration Comedy, and modern European playwrights. Theater games will engage the students physically and mentally, encouraging the development of physical and vocal confidence, and by learning new performance skills the students will create a unique ensemble.

Acting II: Professional Skills Acting Workshop (Ms. Sullivan)

A course for actors and directors developing the professional skills used in theater, film, and television. Sight reading, monologue work, scene study, interview technique, and creating a résumé are explored in the first half of the semester, using a wide range of texts and styles from Shakespeare to Harold Pinter. During the second half of the term, the class chooses a project for performance. Past work has included one-act plays, devised workshop performances, and Jacobean play texts. A final performance is given for the CBB faculty and students in exam week.

Voice and Movement (Ms. Rabinowitz and Mr. Gordon)

Students are taught by professional voice and movement coaches. This course meets four times a week.

Fall 2002 and Spring 2003 General Studies Option

If students’ academic interests do not coincide with the programs being offered, they can select their own set of courses from the listed courses, provided that at least two of them are taught by CBB faculty.

In spring 2003 a music elective course will be taught. In fall 2002 and spring 2003, other elective courses at the CBB London Center will include an English literature course, an art history course, and the following:

Performing Arts: Text and Performance (Ms. Sullivan and Mr. Gordon)

London is the capital of world theater, and this course focuses on the wide range of plays and production styles in both the West End and fringe venues. It will explore an exciting diversity in performance styles, keeping abreast of the latest trends and innovations in performance, design, writing, and music. Students will see approximately 12 plays (including one musical), ranging from Shakespeare and Greek Tragedy to the latest modern British playwrights. Seminars will concentrate on an analysis of the productions and supporting play text work. There will be background classes on theater history, the organization, economics, and social political aspects of modern British theater, criticism, and review writing and any other topics specifically relevant to the choice of plays. There will also be

field trips, including a backstage tour of the National Theatre and a visit to Shakespeare's reconstructed Globe Theatre Museum.

History: Roman Britain, Continuity and Change (Mr. Casey)

This course examines the impact of the Roman Conquest on Britain in the first-fifth centuries A.D. in the light of modern studies of cultural and technological interaction. Emphasis is placed upon the archaeological evidence for cultural change, adaptation, and resistance through detailed studies of key monuments and excavations. Material cultural evidence such as coins, pottery, glass, and other artifacts will be examined. Contemporary historical narratives will be examined and contrasted with less formal written evidence such as inscriptions and graffiti. A program of site and museum visits will be an essential element of the course. Past fieldtrips have included Hadrian's Wall, Fishbourne Villa, the Roman Baths at Bath, and the British and London museums. No knowledge of Latin is needed; sources will be studied in translation.

Economics: The Economic Integration of the European Union (Mr. Staab)

The course will provide a comprehensive examination of the processes of European economic integration and offers a critical analysis of EU policies in their broader political-economic context. The course also focuses on the external dimension of Europe in the global economy and is therefore divided into four parts. A historical overview of the main economic events and currents is followed by a brief introduction to the key institutions and processes. The course then shifts its attention to the analysis of the main economic policies that continue to shape the integration processes of the EU, including the Single Market, Economic and Monetary Union or the Common Agricultural Policy. The course closes with a look at the EU and its impact on global economics, ranging from the WTO to EU enlargement and the Third World.

Government: Contemporary British Politics (Mr. Lodge)

This comparative politics course will examine the British system of government and the most important issues and developments in British politics since 1945. Topics will include parliamentary government, the evolving party system, electoral behavior, the rise and fall of the welfare state, Thatcher's economic revolution, race relations, the breakup of the empire, NATO, the European Union, Welsh and Scottish devolution, and Northern Ireland.

Courses for CBB Cape Town Center, Fall 2002

Anthropology Program (Director Catherine Besteman, Colby)

Culture and Politics in Cape Town (Ms. Besteman)

Politics is expressed culturally, aesthetically, and silently everywhere in the world. We will explore how people in Cape Town are expressing political views and political activism in aesthetic and performative ways. Through reading novels, plays, short stories, and poetry, visiting museums, attending cultural performances, and holding workshops with cultural producers we'll work toward an anthropological understanding of the poetics of political/cultural expression.

Transforming South Africa (Ms. Besteman)

South Africa is in the midst of transforming itself from an authoritarian, racist, non-democratic, isolated state to a democratic state based on principles of human rights, tolerance, equity, and social justice. The challenges of managing this transformation are enormous. The course investigates numerous dimensions of transformation in contemporary South Africa, giving particular attention to the following areas: human rights, education, globalization, tourism, racism, crime, and reconciliation.

Courses for CBB Cape Town Center, Spring 2003

Anthropology Program (Director Elizabeth Eames, Bates)

When Cultures Clash: Understanding Power in the Contemporary African Context (Ms. Eames)

African societies are often characterized as emphasizing the importance of duties to the group—communal ownership and collective responsibility—rather than individual rights or personal conscience. This cannot be said of the European societies that colonized South Africa. The course will focus on the tensions between communalism and individualism and will explore indigenous and imported notions of power and corruption, prosperity and disease as they are lived and understood within contemporary Africa. We will look at how kin-ordered social systems respond to the incursions of global capitalism and the advent of the nation-state. How have such new organizational forms as political parties, religious congregations, ethnic groups, and occupational associations been constructed under changing historical conditions? Special attention will be paid to the South African apartheid situation and, through fieldwork in Cape Town, the contemporary post-apartheid era.

“Seeing” Africa: The Politics of South African Image Production (Ms. Eames)

Most North Americans have “seen” Africa only through non-African eyes, coming to an understanding of Africa through such characters as Tarzan and such genres as the “jungle melodrama” or the “nature show.” Officially sanctioned colonial- and apartheid-era South African media productions betray many of the same imperialist fantasies. The new political structure in South Africa might lead to institutional transformations in the image production process. This second course in the instructor’s program curriculum is conceived as a collaborative fieldwork project concerning the production and consumption of public images in contemporary Cape Town. Through close attention to media exposure during our sojourn, we will explore the following questions: Has post-apartheid-era media production challenged racist stereotypes? How might contemporary South Africans use photography, film, video, television, theater, art, music, or advertising to present a new national identity through the reinvention of a shared past? Of what significance is the globalization process in this context?

Courses for CBB Quito Center, Fall 2002

Prerequisites: students must have one year of college-level Spanish language skills in order to take the biology program and a year and a half to take the history program. The biology program also requires that students have one year of college-level biology.

Biology Program (Director Russell Johnson, Colby)

Biology of Tropical Plants (Mr. Johnson)

This course will cover the basic principles of plant physiology, development, and ecology with a special emphasis on tropical systems. The course will include lectures, discussion, and student presentations on such topics as photosynthesis, nitrogen fixation, mineral nutrition, plant growth and development, and reproduction. We will also consider the relationships of tropical plants with other organisms such as symbiotic and pathogenic microorganisms and animal pollinators and herbivores. These topics will be discussed in the context of both native tropical plants and of cultivated plants important for tropical agriculture. Methods such as hypothesis formulation and testing, experimental design, statistical analysis, graphics, and seminars also will be an important part of the course. The course will be concentrated at the beginning of the semester to prepare you for independent research (see following course). Even when the course will be based in Quito, there will be opportunities to illustrate classroom concepts through local fieldtrips. At the end of the semester, concepts and methods presented in this class will be reevaluated following the experience of your independent research projects.

Tropical Plant Biology: Independent Research Project (Mr. Johnson, Colby)

You will work independently or in small groups to explore specific questions in tropical plant biology, in consultation with the instructor and local scientists. Although some work will be done in Quito, much of the independent study project will be carried out in the field at biological study sites. The guiding philosophy behind the independent study will be to begin the semester with one or two short-term research projects focused on discrete questions. You will then choose and carry out a final long-term research project. You will be expected to write up your independent research projects in the format of papers for a scientific journal and be prepared to present the results of your research to your peers.

Flora and Ethnobotany of Ecuador (program staff)

The course will introduce you to the diversity of plant species and communities of Ecuador and the importance of these plants to Ecuadorian culture. You will learn to identify species and families of plants that are important to the Ecuadorian flora. Traditional as well as current uses of native plant species as foods, medicines, and building materials or for other cultural or economic purposes will be examined. Biogeography of the Ecuadorian flora as well as the environmental threats that exist for native plant communities will also be emphasized. Techniques of plant collection and preparation of herbarium specimens will be integrated into the field portions of this course.

History Program (Director Lilian Guerra, Bates)**Culture, Identity, and Society: A History of Ecuador, 1530-Present** (Ms. Guerra)

We will spend nearly three weeks on the colonial period and the rest of the semester studying the social and political history of the 19th and 20th centuries. As part of the colonial unit for the course, we will take several walking tours of the city's oldest neighborhoods, observing and discussing how the architecture of mansions, government buildings, libraries, and churches of the colonial elite reflect colonial values and ideologies of conquest. As we move closer to the contemporary era, one assignment will require you to pair up with another student and take your own walking tours through the most modern parts of Quito. Your objective will be the same: to understand how ideological messages about the power, prestige, and authority of Ecuador's political and economic elites are mirrored in different but related ways in the buildings, stores, and residences they inhabit. Seeing how history embeds itself into the everyday lives of Ecuadorians will be a major goal of this course.

Independent Study Based on Volunteer Community Work (Ms. Guerra)

All students participating in the CBB Quito program are required to participate in volunteer community work programs. Taking advantage of this opportunity to work with local people and organizations, students will design their own research projects, guided and overseen by local staff and the instructor.

Modern Indigenous Movements in Ecuador (program staff)

This course will examine the politics of indigenous movements in Ecuador. The instructor will use his position within the indigenous movement to introduce students to the social and political struggles that indigenous peoples in Ecuador face today.

Spanish Language (program staff)

All students are required to take one Spanish language course while on the program unless they can demonstrate fluency in the language, in which case a Spanish literature course is substituted. Spanish language skills are tested upon arrival in Quito.

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 2002-2003, a preliminary application must be filed with the Off-Campus Study Office by November 15, 2001, and a final application submitted by March 15, 2002. Students receiving financial aid continue to receive that aid if they attend a Colby-approved program.

In addition to its own programs and CBB 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.

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 program with Dartmouth College as an alternative to graduate work in engineering. 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 in engineering at Dartmouth. Students graduating in this program are exempt from Colby's senior year in residence requirement, but all other graduation requirements must be met. Information is available through the Department of Physics.

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 available as a resource for all Colby students, faculty, and staff. The center is staffed by trained peer tutors and operates with the philosophy that writing is not a discrete skill but an important part of thinking and learning. The Writers' Center can help writers at all levels of development at any point during their writing process, from first ideas to final draft. Since writing occurs in courses across the curriculum at Colby, the tutors are trained to work with various forms of writing—lab reports, case studies, application essays, and response writing, for example, as well as the standard academic essay. In addition to using the center from time to time on particular pieces of work, students can enter into extended tutorials and meet regularly with any one of the tutors to work more intensively on their writing. The Writers' Center serves all Colby students: among them, first-year composition students; students with particular writing difficulties, including learning differences; senior scholars; students for whom English is not their first language; job and graduate school applicants; Watson Fellowship candidates, and many others. The Farnham Writers' Center schedule includes both daytime and evening hours. The center is located in Miller Library 9C.

Courses of Study

The following courses of study are offered by the Department of Education, State of New York, for the year 1912-1913. The courses are arranged in order of increasing difficulty and are designed to meet the needs of the various grades of the public schools. The courses are subject to change without notice.

1111. Arithmetic (Elementary) - This course is designed for the first three grades of the public schools. It covers the fundamental operations of addition, subtraction, multiplication, and division, as well as the properties of numbers and fractions.

1112. Arithmetic (Intermediate) - This course is designed for the fourth and fifth grades of the public schools. It covers the fundamental operations of addition, subtraction, multiplication, and division, as well as the properties of numbers and fractions, and introduces the concept of decimals.

1113. Arithmetic (Advanced) - This course is designed for the sixth and seventh grades of the public schools. It covers the fundamental operations of addition, subtraction, multiplication, and division, as well as the properties of numbers and fractions, and introduces the concept of percentages.

1114. Algebra (Elementary) - This course is designed for the eighth grade of the public schools. It covers the fundamental operations of addition, subtraction, multiplication, and division, as well as the properties of numbers and fractions, and introduces the concept of variables and equations.

1115. Algebra (Intermediate) - This course is designed for the ninth grade of the public schools. It covers the fundamental operations of addition, subtraction, multiplication, and division, as well as the properties of numbers and fractions, and introduces the concept of variables and equations.

1116. Algebra (Advanced) - This course is designed for the tenth grade of the public schools. It covers the fundamental operations of addition, subtraction, multiplication, and division, as well as the properties of numbers and fractions, and introduces the concept of variables and equations.

1117. Geometry (Elementary) - This course is designed for the eighth grade of the public schools. It covers the properties of lines, angles, and polygons, and introduces the concept of area and volume.

1118. Geometry (Intermediate) - This course is designed for the ninth grade of the public schools. It covers the properties of lines, angles, and polygons, and introduces the concept of area and volume.

1119. Geometry (Advanced) - This course is designed for the tenth grade of the public schools. It covers the properties of lines, angles, and polygons, and introduces the concept of area and volume.

1120. Trigonometry (Elementary) - This course is designed for the eleventh grade of the public schools. It covers the properties of right triangles and introduces the concept of trigonometric functions.

1121. Trigonometry (Intermediate) - This course is designed for the twelfth grade of the public schools. It covers the properties of right triangles and introduces the concept of trigonometric functions.

1122. Trigonometry (Advanced) - This course is designed for the thirteenth grade of the public schools. It covers the properties of right triangles and introduces the concept of trigonometric functions.

1123. Calculus (Elementary) - This course is designed for the fourteenth grade of the public schools. It covers the properties of functions and introduces the concept of derivatives and integrals.

1124. Calculus (Intermediate) - This course is designed for the fifteenth grade of the public schools. It covers the properties of functions and introduces the concept of derivatives and integrals.

1125. Calculus (Advanced) - This course is designed for the sixteenth grade of the public schools. It covers the properties of functions and introduces the concept of derivatives and integrals.

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 on page 255.

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**.

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 RANDY NELSON

Professors Nelson and Leonard Reich; Visiting Professor George Miaoulis; Visiting Assistant Professors William Lee and 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

212f 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

[250] Industry, Technology, and Society, 1750-1915 Listed as Science, Technology, and Society 250 and cross-listed as History 242 (q.v.). *Four credit hours.* H.

251f Industry, Technology, and Society Since 1900 Listed as Science, Technology, and Society 251 and cross-listed as History 243 (q.v.). *Four credit hours.* H. REICH

298s The Biography of Oil Listed as Science, Technology, and Society 298 (q.v.). *Four credit hours.* REICH

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.* MIAOULIS

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

354s Law in American Society Providing an understanding of the law and its application to individuals, groups, and organizations. The origin and purpose of law, legal research, contracts, criminal law, torts, and administrative law; class participation through discussions, debate, and mock trials. *Four credit hours.* S. LEE

[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 JAMES WEBB

PROGRAM FACULTY AND ADVISORY COMMITTEE: *Professors Catherine Besteman (Anthropology), Laura Chakravarty Box (Theater and Dance), Guilain Denoeux (Government), Suellen Diaconoff (French), Anindyo Roy (English), André Siamundele (French), 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, will 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. Since foreign experience is an essential complement to traditional class work on campus, all students are strongly encouraged to include study abroad in an African nation, whether on the CBB Cape Town program or on another 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;
- (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, 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.

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), Paul Macblin (Music), Phyllis Mannocchi (English), Margaret McFadden (American Studies), David Nugent (Anthropology), Bobby Vaughn (Anthropology and African-American Studies), Maritza Straughn-Williams (Anthropology and African-American Studies), John Sweney (English), James Webb (History), and Robert Weisbrot (History); Geraldine Roseboro (associate dean of students and director of intercultural affairs), 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 African Americans 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. The program exposes students to the history and culture of Africans and people of African descent throughout the Americas. However, the primary focus of the program is on the literature, history, and culture of African Americans in the United States.

Requirements for the Major in African-American/American Studies

Fifteen courses selected from American studies, literature, social science, and music, including American Studies 276, American Studies 271, 275, 493, English 255, 256, 343, 413 (when appropriate), History 131, 132, and 247; one course selected from Music 133 (when appropriate), 232, 238, or American Studies 282; either History 342 or 442; two courses selected from American Studies 493, Anthropology 211, 213, 217, 231, 254, 354, Religious Studies 356, Sociology 252, 354, 355, 357, or Women's Studies 221; and at least one course focused on Africa or the Caribbean, preferably selected from Anthropology 231, 237, 254, and History 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; either English 343 or 413 (when appropriate); 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, Religious Studies 356; Sociology 252, 354, 355, 357, or Women's Studies 221. Course substitutions and exchanges may be made in consultation with the advisor.

Interested students may also consider an independent major in African-American studies or an independent major that combines African-American studies with another relevant discipline. Minors and majors are instructed to inform faculty that they are African-American studies minors 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

American Studies 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
<i>English</i>	254 Women of the African Diaspora
	343 African-American Literature
	413 Authors Course (when appropriate)
	493 Seminar (when appropriate)
<i>History</i>	247 African-American History, from Slavery to Freedom
	261 African History
<i>Music</i>	342 Crisis and Reform: American Society and Politics in the 1960s
	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>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
<i>Women's Studies</i>	221 Gender, Race, and the Politics of Difference

Course Offerings

[231] **Caribbean Society and Culture** Listed as Anthropology 231 (q.v.). *Four credit hours.* S, D.

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

[254] **Women of the African Diaspora** Listed as Anthropology 254 (q.v.). *Four credit hours.* S, D.

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

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 Terry Arendell (Sociology and Women's Studies), Cedric Gael Bryant (English), Alec Campbell (Sociology), Debra Campbell (Religious Studies), Anthony Corrado (Government), James Fleming (Science, Technology, and Society), Cheryl Townsend Gilkes (African-American Studies and Sociology), Natalie Harris (English), Peter Harris (English), Jeffrey Kasser (Philosophy), Elizabeth Leonard (History), Paul Machlin (Music), Sandy Maisel (Government), Phyllis Mannocchi (English), Michael Marlais (Art), McFadden (American Studies), Thomas Morrione (Sociology), Richard Moss (History), Patricia Onion (English), 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 Studies), Robert Weisbrot (History); Adjunct Instructors Linda Goldstein and Kenneth Eisen*

A student majoring in American studies at Colby is taught—in single courses and through a combination of courses—the subject matter of America's past and present, with special effort devoted to the integration and knowledge of more than one academic discipline. Built around a core of courses in American studies, American history, and American literature, the American Studies Program strives for genuinely interdisciplinary insights into the complexities of American thought and culture.

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.

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
	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
- Education*
- 215 Children and Adolescents in Schools and Society
 235 Revolutionary Multiculturalism
 332 Women, Girls, and the Culture of Education
 336 American Education: Historical and Philosophical Foundations
- English*
- 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
 345 Modern American Fiction
 347 Modern American Poetry
 351 Contemporary American Poetry
 352 Contemporary Asian-American Women Writers
 362 Art and Oppression: Lesbian and Gay Literature and
 Modern Society
 397 Tricks and Transformations (American Indian Literature)
 413 Authors Courses (when appropriate)
 427 The Harlem Renaissance
 457 American Gothic Literature
 493 Seminar in American Literature
- Government*
- 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
 310 Interest Group Politics
 313 Constitutional Law I: Federalism
 314 Constitutional Law II: Individual Rights
 316 Presidential Electoral Politics
 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
 419 Campaign Finance
 432 Seminar: United States Foreign Policy
- History*
- 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
 239 The Era of the Civil War
 247 African-American History, from Slavery to Freedom

- 281 Jews and Judaism in America
 297 A History of the Hub: Boston, Massachusetts, 1630-1865
 333 American Cultural History, 1600-1865
 334 U.S. Cultural History, 1860-1974
 336 America: The New World, 1607-1783
 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
 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
 236 American Musical Theater in the 20th Century
 238 Burnt Biscuits and Green Onions: From Rhythm and Blues to Soul
- Philosophy*
 352 American Philosophy
- Psychology*
 237 Psychology of Language
 253 Social Psychology
 352 Sex and Gender Seminar
 356 Social Psychology Seminar
- Religious Studies*
 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
- Science, Technology, and Society*
 250 Industry, Technology, and Society, 1750-1915
 251 Industry, Technology, and Society Since 1900
 271 History of Science in America
 393 Technology, War, and Society
- Sociology*
 231 Contemporary Social Problems
 233 Crime and Justice in American Society
 252 Race, Ethnicity, and Society
 273 The Family
 276 Sociology of Gender
 277 Social Psychology
 292 Social Change
 334 Social Deviance
 352 American Critics of American Society
 354 Sociology and the American Race Problem
 355 African-American Women and Social Change
 357 Civil Rights, Black Power, and Social Change
 493 Movements for Social Change in Contemporary America
- Women's Studies*
 221 Gender, Race, and the Politics of Difference
 311 Seminar in Feminist Theory

Course Offerings

[115] **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. Eras covered in particular years include the Postwar Era (1944-1959) and "The Sixties" (1958-1978). Enrollment limited; upperclass students seeking admission should contact Mr. Eisen at shadowd@pop.mint.net. *Three credit hours.* **D.**

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.* MCFADDEN, SALTZ

[275] **Gender and Popular Culture** In the 20th 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 Studies 275. *Four credit hours.* **D.**

[276] **African-American Culture in the United States** An interdisciplinary examination of black cultural expression from the slave era to the present—including folk tales, 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.**

277s 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 U.S.; and interracial marriage, biracial identity, and international interracial adoption. *Four credit hours.* **D.** THOMA

[282] **American Popular Culture** An examination of "popular" culture and its relationship to "folk," "mass," and "high" cultures. Primary issues considered: (1) the historical evolution of different forms of popular culture, including popular literature, theater, and music, as well as mass cultural forms like silent and sound film, recorded music, radio, paperback books, and television; and (2) the use of theoretical tools of cultural studies to analyze the production and reception of particular examples of popular culture, connecting these texts to their historical and cultural contexts. Special attention to the role of popular culture in shaping the development of gender, racial, and class formations in the United States. *Four credit hours.*

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

334s 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 Unamerican Activities Committee). *Four credit hours.* **SALTZ**

376f 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. *Four credit hours.* 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. MANNOCCHI

393f Proseminar: Cultural Studies of American Musics A proseminar is required of all majors, preferably during the junior year. While topics will vary, all will introduce students to various theoretical approaches to American studies issues and prepare them for advanced work in senior seminars and/or individual or honors projects. Fall 2002: "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.* MCFADDEN

398s Literature and Visual Culture Nineteenth-century American literature in the context of developments in the visual arts and visual culture of the period (including painting and photography). Interdisciplinary approach focuses on methods of comparing textual and visual media as well as historical influences on visual representation. *Four credit hours.* SALTZ

457s American Gothic Literature Listed as English 457 (q.v.). *Four credit hours.* L. BRYANT

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

493Af Seminar American Studies An in-depth seminar on writing by contemporary women that explores the multiple, dynamic, or uneasy affiliations women have with the United States. Readings and discussion will illuminate how women negotiate, critique, and resist the dislocations associated with assimilation, colonization, diaspora, exile,

immigration, migration, and postmodernization. Fictional, autobiographical, and theoretical works, as well as texts that defy categorization, will be considered and will cover such topics as immigration policy and border politics, U.S. military intervention and the trafficking of women, and the international division of labor. *Prerequisite:* Senior standing as an American studies major. *Four credit hours.* THOMA

493Bs Seminar American Studies An interdisciplinary seminar incorporating theoretical approaches to the study of American thought and culture. Topics will vary. *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.*

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

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. 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. 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.

[258] **Romans and Jews: History, Religion, and Archaeology** Listed as Classics 258 (q.v.). *Three credit hours.* H, D.

[332] **Manhood in Greek Society and Literature** Listed as Classics 332 (q.v.). *Four credit hours.* L, D.

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

393s **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

Associate Professors Anderson, Catherine Besteman, Mary Beth Mills, and David Nugent; Assistant Professor Maritza Straughn-Williams; Visiting Assistant Professor Bobby Vaughn

Anthropology is the exploration of human diversity. Through the subdisciplines of cultural, linguistic, archaeological, and physical anthropology, it investigates the broad range of differences and similarities of humankind in both space and time. The program at Colby offers an introduction to the discipline and in-depth exposure to the variety of lifestyles in cross-cultural, comparative perspective. Students receive training in anthropological theory and field methodology; 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 (or 297), 264; one topics course selected from Anthropology 213, 214, 217, 252, 254, 256, 273 (or 297); 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 (or 297), 264; one topical course selected from Anthropology 213, 217, 252, 254, 256, or 273 (or 297); 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:

<i>African-American Studies</i>	276 African-American Culture in the United States
<i>American Studies</i>	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

<i>English</i>	348 Postcolonial Literatures
<i>Philosophy</i>	213 Philosophical Inquiries into Race
<i>Religious Studies</i>	118 Introduction to Archaeology
<i>Sociology</i>	333 Globalization
	336 The Sociology of Food
	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. MILLS, NUGENT, VAUGHN

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. ANDERSON

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.* 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.* 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 understanding racial and ethnic interaction and tensions in the contemporary United States. *Prerequisite:* Anthropology 112. *Four credit hours.* NUGENT

[231] 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.*

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.* NUGENT

237s 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.* 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.*

[252] 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. *Four credit hours.*

[254] 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.*

[256] 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 two primary subsistence systems: wet rice agriculture as practiced in South and Southeast Asia and hunting-gathering as experienced by native North Americans. How local systems of subsistence production have been incorporated into and threatened by national and global economic relations and structures through processes of colonization and the growth of transnational capitalism. Enrollment limited. *Prerequisite:* Anthropology 112. *Four credit hours.*

[264] China in Transition: An Anthropological Account Listed as East Asian Studies 254 (q.v.). *Four credit hours.* S, D.

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.* LINDKVIST

[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.*

297f **Blackness in Latin America** The trans-Atlantic slave trade involved the largest forced movement of human beings in world history, and the 10 million slaves who arrived on American shores changed the demographic and cultural face of the hemisphere. Both the historical and contemporary experience of the African diaspora in Latin America are considered from an anthropological perspective. Questions to be addressed include: what does it mean to be black in Latin America? how does the meaning of blackness vary in particular national(ist) contexts? how and under what circumstances does black expressive culture manifest itself in these countries? what are the prospects for a broader politicized notion of blackness in Latin America? Among black communities considered are Mexico, Venezuela, Colombia, Cuba, Nicaragua, Peru, and Brazil. *Four credit hours.* VAUGHN

298s **Anthropology of Mexico** *Four credit hours.* VAUGHN

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

[329] **Myth and Poetics** An examination of the symbolism, rhythm, structure, pattern, narrative devices, space-time, and modes of performance of myth and poetic language in the oral traditions of indigenous peoples. Various interpretive approaches to myth and poesis will be reviewed, including those of Levi-Strauss, Bakhtin, Cassirer, Sapir, Propp, Jakobson, and Friedrich. The course will provide an understanding of mythopoetic language as both grounded in common human experiences and generated by particular sociocultural systems. *Prerequisite:* Anthropology 112 and one other anthropology course. *Four credit hours.*

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.* MILLS

351f 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.* KIM

[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.*

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.* MILLS

398As Anthropology of Creativity *Four credit hours.* ANDERSON

398Bs Topics in Nationalism and Ethnicity *Four credit hours.* VAUGHN

[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.*

452s 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. *Prerequisite:* Anthropology 112 and one other anthropology course. *Four credit hours.* BESTEMAN

456s 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, Sahlins, and others. The question of the relationship between time and humanness in both its particularity and generality. *Prerequisite:* Senior standing as an anthropology major. *Four credit hours.* ANDERSON

[459] The Anthropology of Violence As anthropologists have become increasingly attentive to the realities of violence in the modern world, the discipline has struggled with how to approach issues of moral relativism, fieldwork methodologies, and theoretical approaches to the cross-cultural study of violence. An overview of different theoretical understandings of violence; analyses of the relationship between violence and state formation; justifications for violent political action against the state and by the state against its citizenry; the rise and significance of an international industrial-military complex; and anthropological case studies of contemporary violence. Formerly listed as Anthropology 359. *Prerequisite:* Anthropology 112 and one other anthropology course. *Four credit hours.*

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 VÉRONIQUE PLESCH

Professors Harriett Matthews, David Simon, and Michael Marlais; Associate Professors Plesch, Scott Reed, and Bevin Engman; Assistant Professors Laura Saltz, Ankeney Weitz, and Garry Mitchell; Visiting Assistant Professor Dee Peppe; Adjunct Instructors Samuel Atmore, 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, 334

(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. PLESCH, 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. PLESCH, SALTZ, 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. Estimated cost for materials: \$85. *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. Estimated cost for materials: \$35. *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 Photographers 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 \$40 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

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 Further exploration of the materials, techniques, and ideas developed in Printmaking I. 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

[251] From Saint Louis to the Sun King: Five Centuries of French Art French art from the 13th century through the reign of Louis XIV. Painting, sculpture, and architecture studied as well as such other pictorial media as manuscript illumination, prints, tapestry, and enamel. Links with literary and intellectual movements explored. Some reading in French required for French literature/French studies majors. *Three credit hours.*

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. *Three or 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.

[275] Classics of the Sound Cinema Selected masterpieces of world cinema (1930-1960). Particular emphasis on developing skills for viewing films as a form of visual art. *Four credit hours.*

[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.*

285f History of Photography *Four credit hours.* SALTZ

298s 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.* WEITZ

[311] 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.*

314s 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.* SIMON

[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.*

332s 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.* PLESCH

[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.*

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.*

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

[353] **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.*

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

[376] **Chinese Painting** An introduction to the history of Chinese painting. *Prerequisite:* Art 273. *Three or four credit hours.*

[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.*

397f Afterlife: Ideas about Death in East Asia Listed as East Asian Studies 397 (q.v.). *Four credit hours.* WEITZ

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

475f 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.* PLESCH

[476] **Museum Exhibition Seminar: Master Prints from the Colby College Museum of Art** An opportunity for students to curate an art history exhibition for the Colby College Museum of Art. Students are responsible for selecting prints from the museum's collection, researching artists, subject matter, and technique, designing the exhibition, and writing scholarly texts. *Prerequisite:* Some background in art history. *Four credit hours.*

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:* History: permission of the instructor. Studio: a year of studio course work and permission of the instructor. *One to four credit hours.*
FACULTY

493s Seminar: Art and Literature Senior seminar in art history. Topics vary from year to year. *Four credit hours.* ARCHIBALD, SIMON

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 Topics in astrophysics and observational astronomy. Observational topics, using the Collins Observatory, include telescope design and control, planning observations, acquisition of images with a CCD electronic camera, fundamentals of astronomical image processing, stellar photometry, spectroscopy of stars and nebulae, and advanced data processing with IRAF in the UNIX environment. Open to all students interested in science who have a working knowledge of calculus. 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:* Biology 179 and Chemistry 242. *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.* R. JOHNSON

394fs 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.* R. JOHNSON

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, ASSOCIATE PROFESSOR W. HERBERT WILSON JR.

Associate Chair, PROFESSOR FRANK FEKETE

Professors Arthur Champlin, F. Russell Cole, David Firmage, Fekete, and Wilson; Associate Professors Bruce Fowles, Paul Greenwood, and Russell Johnson; Assistant Professors Raymond Phillips, Catherine Bevier, Judy Stone, Andrea Tilden, and Lynn Hannum; Visiting Instructor Sharon Lynn; Senior Teaching Associates Elizabeth Champlin and Timothy Christensen; Teaching Associates Lindsey Colby and 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 radioisotope laboratory, a clean room, two greenhouses, herbarium, numerous environmental chambers, and animal and aquarium rooms. Colby is a member of the Biological 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.

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 eight 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 can be counted toward the major programs.

Requirements for the Basic Major in Biology

Thirty-six hours of course work in biology (excluding Advanced Placement credit), including Biology 163, 164, one course with laboratory in plant biology (Biology 211, 214, 237, 252 or 259j), one course with laboratory in evolutionary biology and ecology (Biology 257j, 258j, 271, 320 or 358j), one course in organismal biology (Biology 211, 214, 259j, 275, 276, 334, 357, 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 490 in both semesters. In addition, Chemistry 141, 142; Mathematics 121 or 161 or equivalent, and one additional mathematics course numbered 112 or higher (excluding seminars).

Requirements for the Concentration in Environmental Science

Thirty-six 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, 237, 252 or 259j), one course with laboratory in organismal biology (Biology 211, 214, 259j, 275, 276, 334, 357, 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 490 in both semesters. In addition, Chemistry 141, 142; Mathematics 121 or 161 or equivalent, Mathematics 112 or 231; Economics 133, 231; and two courses selected from the following: Biology 257j, 258j, 354, 358j, Chemistry 217, 241, 242, Environmental Studies 118, 235, Geology 141, 142, 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-six hours of course work in biology (excluding Advanced Placement credit), including Biology 163, 164, 179, 367, 368, 378, one course with laboratory in plant biology (Biology 211, 214, 237, 252, or 259j), one course with laboratory in evolutionary biology and ecology (Biology 257j, 258j, 271, 320 or 358j), and one course with laboratory in organismal biology (Biology 211, 214, 259j, 275, 276, 334, 357, 373 or 375). Seniors must enroll in Biology 490 in both semesters. In addition, Chemistry 141, 142, 241, 242; Mathematics 121 or 161 or equivalent and one additional mathematics course numbered 112 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-six 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, 237, 252, or 259j), one course with laboratory in evolutionary biology and ecology (Biology 257j, 258j, 271, 320 or 358j), and one course with laboratory in organismal biology (Biology 211, 214, 259j, 275, 276, 334, 357, 373 or 375). Seniors must enroll in Biology 490 in both semesters. 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 112 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 3.5 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

115s 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. BROWN

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 161. Lecture and laboratory. *Four credit hours.* N. LYNN

[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. Formerly offered as Biology 162. *Four credit hours.* N. FEKETE, HANNUM

164s Diversity and Evolution 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. *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

[214] 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.*

[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.*

225f 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. HANNUM

[232] 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.*

[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.* FEKETE

[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.

257j **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. *Prerequisite:* Biology 162 or 164 or 179 and permission of the instructor. *Three credit hours.* WILSON

[258] **Ecological Field Study** Intensive study in a south temperate or tropical area. Students must cover own expenses; limited scholarship funds are available. *Prerequisite:* Biology 162 or 164 or 179. *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. *Prerequisite:* Biology 162 or 164 or 179. *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. Offered in 2001-2002 as Biology 177. *Prerequisite:* Biology 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.* KREISS

[275] **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.

[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.*

279f **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.* CHAMPLIN

315f **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.* GREENWOOD

[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:* Biology 162 or 164 or 179. *Three or four credit hours.*
STONE

[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; occasional Saturday field trips. Lecture and laboratory. Offered in alternate years. *Prerequisite:* Biology 162 or 164 or 179 and junior standing. *Four credit hours.* N.

352s Ecological Theory 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.* INSTRUCTOR

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:* Biology 177, 254, or 271. *Three credit hours.* WILSON

[357] Physiological Ecology An examination of the physiological and behavioral adaptations of organisms to environmental conditions and consideration of how such adaptations affect the interactions of organisms. Examples drawn from terrestrial, marine, and freshwater plants and animals. An independent field project is a component of the laboratory, which constitutes the optional fourth credit hour. *Prerequisite:* Biology 177 or 271. *Three or four credit hours.*

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 \$1,950 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.* INSTRUCTOR

367f, 368s Biochemistry of the Cell I 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.* LYNN

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.* KREISS

[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.* N.

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

379f 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.* CHAMPLIN

394fs Topics in Cell and Molecular Biochemistry Listed as Biochemistry 394 (q.v.). *One credit hour.* R. JOHNSON

398s 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.* HANNUM

[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.* FEKETE

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

490f Senior Colloquium Attendance at selected departmental colloquia during the fall and spring semesters; written evaluations to be submitted. Required of all senior biology majors. *Noncredit.* FEKETE

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 major. *Five credit hours.* COLE, FIRMAGE

Chemistry

Chair, PROFESSOR WHITNEY KING

Professors Bradford Mundy, Thomas Shattuck, and King; Associate Professor Julie Millard; Assistant Professors Shari Dunham, Stephen Dunham, Dasan Thamattoor, Rebecca Conry, and Jeffrey Katz; 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, 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, 368, 493, 494; Mathematics 121, 122 or 161, 162; Physics 141 or 143, 142; Biology 163; one course from Biology 225, 238, 274, 279 (with laboratory); and one course from Chemistry 331, 342, 372, 378, 411.

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

Chemistry 141, 142, 241, 242, 341, 367, 368 or 372, 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 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 or 372, 378, 411, 431, 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, 372, and 378 cannot be used to fulfill the requirements for both a major and the chemistry minor.

Course Offerings

112f 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 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 and their environment, including such topics as nutrition, disease, drugs, exercise, pollution, criminology, and household chemicals. Intended as a course for nonscience majors. Students with prior credit for Chemistry 141 may not receive credit for Chemistry 118. Lecture and 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, KING, SHATTUCK

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

217s 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.* KING

241fs, 242fs Organic Chemistry Theories encountered in Chemistry 141, 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

[255] 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.*

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. *Prerequisite:* Chemistry 142. *Four credit hours.* KING

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: thermodynamics, solutions, and reaction kinetics. Lecture and laboratory. *Prerequisite:* Chemistry 142, Physics 142, Mathematics 122 or 162; Chemistry 341 is prerequisite for 342. *Five credit hours.* SHATTUCK

367f, 368s Biochemistry of the Cell I 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.* R. JOHNSON

394fs Topics in Cell and Molecular Biochemistry Listed as Biochemistry 394 (q.v.). *One credit hour.* R. JOHNSON

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.* CONRY

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.* CONRY

[431] Mechanistic Organic Chemistry Computational methods for examining organic reaction mechanisms are explored. Molecular orbital theory is used to study the effects of orbital symmetry on the course of pericyclic reactions. Lecture only. *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

434s 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.* CONRY

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.* CONRY

Chinese

In the Department of East Asian Studies.

Chair, PROFESSOR TAMAE PRINDLE [JAPANESE]

Associate Professor Kimberly Besio; Assistant Professor Hong Zhang; Visiting Associate Professor Li Qing Kinnison; Teaching Assistant Grace Hui-chuan Wu

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. *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 Elementary Chinese I Introduction to spoken and written Mandarin Chinese, to provide a thorough grounding in all the language skills: speaking, listening, reading, and writing. *Five credit hours.* BESIO

126s Elementary Chinese 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. *Five credit hours.* BESIO

127f Intermediate Chinese I A continuation of Chinese 126, with greater emphasis on written Chinese. *Prerequisite:* Chinese 126. *Four credit hours.* KINNISON

128s Intermediate Chinese II A continuation of Chinese 127, with greater emphasis on written Chinese. *Prerequisite:* Chinese 127. *Four credit hours.* KINNISON

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.* STAFF

321f Third-Year Chinese Advanced Chinese language, concentrating on reading, writing, and speaking. *Prerequisite:* Chinese 128. *Three credit hours.* KINNISON

322s Third-Year Chinese Advanced Chinese language, concentrating on reading, writing, and speaking. *Prerequisite:* Chinese 321. *Three credit hours.* BESIO

421f 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. *Prerequisite:* Chinese 322. *Three credit hours.* KINNISON

422s Fourth-Year Chinese Advanced Chinese language, focusing on classical Chinese language and culture in the first semester and on broadcast and newspaper reading in the second. *Prerequisite:* Chinese 421. *Three credit hours.* KINNISON

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, ASSOCIATE PROFESSOR KERILL O'NEILL

Professors Peyton Helm, Hanna Roisman, and Joseph Roisman; Associate Professor O'Neill; Assistant Professor James Barrett; Visiting Instructor Timothy Vachon

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, with three courses numbered 200 or higher in Greek 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; Ancient History 154, 158, 356, 393; 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, 232, 236, 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, 135, 137, 138, 139, 145, 151, 171, 232, 234, 236, 238, 240, 242, 258, 332; Ancient History 356, 393; Greek 111, 112, 131; Latin 111, 112, 131; Art 311, 312; Government 271, 474; Philosophy 231, 392; 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, 158, or 236, 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 or 171.
- (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, 135, 137, 138, 139, 145, 151, 171, 232, 234, 236, 238, 240, 242; Ancient History 154, 158; Art 311, 312; Government 271, 474; Philosophy 231, 392; 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.

[135] History and the Homeric Epics An exploration of the Homeric epics, their historical context, and the extent to which they can be used as historical source material. Readings include the *Iliad* and the *Odyssey* as well as secondary scholarship on Homeric poetry and Greek history. *Three credit hours.* H.

137s 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. BARRETT

[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.

[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.*

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.* J. ROISMAN

[151] **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.*

[171] **Liar, Liar! Homer's Odysseus** Through tall tales and bold-faced lies, Odysseus reinvents himself to suit every audience and situation. His adaptability and elastic sense of the truth are the keys to his success and survival. How could a liar like Odysseus become one of the best-known and most admired heroes of the ancient world? Why did the *Odyssey* become an integral part of ancient literature education? Readings include translations of the *Odyssey*, part of the *Iliad*, and secondary literature on Homeric poetry. *Three credit hours.* L.

234f **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. J. ROISMAN

[236] **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.

[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.

[240] **The Tragic Hero: The Drama of Sophocles** Aristotle considered Sophocles as 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.

242f **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*, *Alcestis*, *Helen*, *Trojan Women*, *Hecuba*, and *Electra* as well as secondary literature on Greek tragedy. *Three credit hours.* L. H. ROISMAN

[258] **Romans and Jews: History and Religion** Drawing upon both literary and archaeological evidence, the course deals with the relationship between the Romans and

the Jews in the early centuries of the common era, a period important for the development of religious and cultural forms that greatly affect nearly all subsequent history. Focus is especially, but not entirely, on cultural conflict and its resolution. Roman culture, Jewish culture, and early Christianity seen in juxtaposition. Topics considered include the demise of the Hasmonean dynasty, the Jewish War, Masada, Qumran, and the Dead Sea Scrolls; considerable attention to writings of the first-century Jewish historian Flavius Josephus. *Three credit hours.* **H, D.**

[332] Manhood in Greek Society and Literature A seminar on the concept of manhood and its impact in shaping Greek society and literature. Among topics discussed are the Homeric hero and his family, man at war, male and female on the tragic and comic stage, Greek sexuality, masculine competitiveness, the cultural construction of the male, and the rhetoric of manhood in the Athenian courts. Enrollment limited; preference to classics and classical civilization majors and minors. *Four credit hours.* **H, D.**

[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

Chairs, ASSISTANT PROFESSORS CLARE BATES CONGDON AND RANDOLPH JONES
Professor Dale Skrien; Assistant Professors Congdon, Jones, and Marc Smith; Visiting Instructor James Hoag

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, 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 four 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, 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 113, 117, Mathematics 253, 274, 332, or Philosophy 152.

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

113f 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. *Four credit hours.* Q. HOAG

[117] Explorations with Robots A gentle introduction to computer science and programming using small robots. Topics include building and programming small robots to perform a variety of simple tasks (such as line following or obstacle avoidance) and programming in a high-level language, such as C, to control the robots. Laboratory sessions provide hands-on experience. No previous experience with computers or robots is required. Not open to students who have taken higher-numbered CS courses. Offered in alternate years. *Three 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. HOAG, SMITH

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.* SMITH

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

[317] Adaptive Agents and Robots An exploration of autonomous (and semi-autonomous) computer systems that are able to adapt their behavior based on past experiences. Topics include adaptive small robots that learn to perform specific tasks (such as learning to navigate in an unfamiliar environment) and an introduction to a variety of learning approaches, such as neural networks, genetic algorithms, decision trees, and rule-based systems. Offered in alternate years. *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.* HOAG

336s 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.* SMITH

352s 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.* CONGDON

[353] Artificial Intelligence A broad, technical introduction to the central concepts of artificial intelligence and the design of advanced computing systems, together with discussion of the philosophical and ethical issues that surround the subject. Technical topics may include knowledge representation, deduction, expert systems, learning, natural language understanding, planning, robotics, search, vision, connectionism. Offered in alternate years. *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.*

[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.* SMITH

[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.*

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.*

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

Director, ASSOCIATE PROFESSOR DEBRA SPARK

ADVISORY COMMITTEE: Professors Peter Harris, Susan Kenney, and Jennifer Boylan; Associate Professor Spark

A minor in creative writing may be elected by students majoring in any department of the College. 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 writing graduate programs.

Requirements for the Minor in Creative Writing

The minor consists of a sequence of one introductory, one intermediate, and one advanced writing course in either fiction or poetry, plus a fourth requirement, either a repetition of the advanced workshop, an independent study in writing, a Senior Scholar project, or an introductory workshop in another genre (poetry or fiction). In addition, the creative writing minor also requires the student, in consultation with the minor advisor, to complete three courses above the 200 level in English or American literature, for a total of seven courses. 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 English 279, the introductory courses in fiction and poetry writing, is given to sophomores. Due to enrollment pressures, students who do not register for English 278 as sophomores may run the risk of being unable to elect the minor.

Admission to intermediate and 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 TAMAE PRINDLE [JAPANESE]

Professors Prindle (Japanese) and Nikky Singh (Religious Studies); Associate Professor Kimberly Besio (Chinese); Assistant Professors Ankeney Weitz (East Asian Studies and Art), Randle Keller Kimbrough (Japanese), and Hong Zhang (Chinese); Visiting Assistant Professor Li Qing Kinnison (Chinese); Visiting Instructor Yuko Koike (Japanese); Teaching Assistants Ayaka Sogabe (Japanese) and Grace Hui-chuan Wu (Chinese)

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 two language courses beyond the all-college requirement (normally Japanese or Chinese 128 and 321) 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.

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 achieved a 3.25 grade point average in the courses listed for the major and will have taken 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 is required prior to the senior year. Some aspect of the culture of East Asia will 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 Chinese or three in 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 literature, music, art, government, religion, history, and anthropology listed under East Asian Studies. With the exception of one introductory comparative course, no non-language course at the 100 level may count toward the minor.

Courses Approved for the Major in East Asian Studies

<i>Art</i>	173	Survey of Asian Art
	273	The Arts of China
	274	The Arts of Japan
	298	Zen and the Arts in Asia
	397	Afterlife: Ideas about Death in East Asia

<i>Chinese</i>	All courses offered
<i>East Asian Studies</i>	All courses offered
<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
	256 Japan from Early Times to the 17th Century
	257 Modern Japan
	452 The Rise of Modern East Asia
<i>Japanese</i>	All courses offered
<i>Music</i>	117 Music and the Divine
<i>Religious Studies</i>	212 The Religions of China and Japan

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.** INSTRUCTOR

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.** INSTRUCTOR

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

231s 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.** BESIO

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 "soulmate," 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

252j Hell on Earth? Chinese Writers on Modern Chinese Society An examination of 20th-century Chinese society through a critical reading of the writings of major Chinese writers in translation. Attention to the development of fiction writing in modern Chinese literature and the plight of the Chinese women in this century. *Four credit hours.* **L, D.** BESIO

[254] China in Transition: 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. Anthropology 112 or East Asian Studies 150 is highly recommended but not required. *Four credit hours.* S, D.

[271] Women in Japanese Cinema and Literature The course approaches Japanese culture multidimensionally, 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.

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

298s Zen and the Arts in Asia Listed as Art 298 (q.v.). *Four credit hours.* A, D. WEITZ

332s 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. PRINDLE

[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.

[371] Culture in Tokugawa Japan Investigation of the kaleidoscopic cultural world of Tokugawa Period Japan: from peasant households to the imperial palace, Floating World to Confucian court, Kabuki to Noh, comic books to philosophical tracts, and woodblock prints to gilded screens. Consideration of governmental strategies used to regulate social order, public morality, and artistic expression. *Four credit hours.* A, D.

397f Afterlife: Ideas about Death in East Asia An examination of East Asian concepts of life after death, focusing on funeral rituals and tombs. Students will research funerary art in the Colby collection and curate an exhibition in the art museum. *Prerequisite:* One of the following: Art 173, 273, 274, or East Asian Studies 150. *Four credit hours.* 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, ASSOCIATE PROFESSOR MICHAEL DONIHUE

Professors Jan Hogendorn, James Meehan, Thomas Tietenberg, Clifford Reid, Randy Nelson, David Findlay, and Patrice Franko; Associate Professors Debra Barbezat and Donihue; Visiting Associate Professor Roy Van Til; Assistant Professor Jason Long

In addition to dealing with the study of market behavior, consumers, inflation, and unemployment, economic tools find increasing use in other social sciences, with the skills of the economist central to studies of gender and race 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 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, 131, 161, or equivalent; either Mathematics 231 or the two-course sequence 381, 382; an economics senior seminar; three additional courses (totaling at least nine credit hours) in economics, of which two must be numbered 300 or above (at least one of the 300-level courses must be taken at Colby). Administrative Science 311 may be used to satisfy the non-300-level elective requirement. Although potential majors are strongly encouraged to take Economics 133 and 134 in their first year, completion of the major is possible even 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; an economics senior seminar; and Economics 277, 297, 373, or 338; Administrative Science 221, 311 and 322; Mathematics 121, 131, or 161 or equivalent; either Mathematics 231 or the two-course sequence 381, 382. Two additional elective economics courses, at least one of which must be numbered 300 or above if Economics 277 or 297 is elected.

**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:* Students must complete Economics 345 in either their junior or senior year. Students who enroll in Economics 345 in the fall semester of their senior year must obtain approval from a faculty sponsor prior to the end of the add/drop period of the fall semester. Seniors planning on enrolling in Economics 345 in the spring should obtain preliminary approval from a faculty sponsor no later than the end of the third week of the *fall* semester.

Students who wish to do graduate work in economics are urged to elect Economics 336 and 393 and additional courses in mathematics, e.g., Mathematics 253, 311, 338, 381, 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.

Requirements for the Major in Economics-Mathematics

Economics 133, 134, 223*, 224*, 336, and 393; one additional elective economics course numbered 300 or above (excluding senior seminars); Mathematics 122 or 162; Mathematics 253, 381, and 382; two additional elective courses selected from Mathematics 274, 311, 332, and 338, or, with written approval from the economics-mathematics advisor, other mathematics courses numbered 300 or higher. Students must also demonstrate mathematical sophistication in Economics 345, or Economics 484, or in an appropriate project in

conjunction with Economics 491, or an economics senior seminar. The point scale for retention of the economics-mathematics major applies to all courses offered toward the major. No requirement for the major may be taken satisfactory/unsatisfactory.

Senior Thesis in Economics

Students wishing to further their research in economics may apply to the department to enroll in Economics 484. The normal sequence for a senior thesis begins with enrollment in Economics 345 during the fall semester. Near the end of the semester the advising faculty member presents the application to enroll in Economics 484 at a scheduled department faculty meeting. Students who enroll in Economics 345 during the second semester of their junior year and wish to continue their research as a senior thesis during the fall of their senior year must apply to enroll in Economics 484 near the end of the spring semester of their junior year. Students who complete Economics 345 during the first semester of their junior year must select a different research topic for a senior thesis. Students who complete Economics 345 during their junior year and wish to pursue a senior thesis on a different topic may enroll in Economics 491 for two credit hours during the fall of their senior year and apply to enroll in Economics 484 following the normal sequence described above. Economics 484 does not count as one of the 300-level or above electives required for the major.

Honors Program in Economics and Economics-Mathematics

Students who have completed Economics 484 and have a cumulative grade point average in their major of 3.5 or higher are eligible to graduate "With Honors." To graduate with honors, students must complete Economics 484 under the guidance of two members of the Economics Department, a principal advisor and a second reader, and receive a grade of A- or higher. Honors students must also present a seminar to the department faculty at the end of their research project.

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. LONG, MANSORI

214s Economic Policy and Performance in Contemporary Latin America Analysis of macroeconomic stabilization policies and microeconomic issues such as regional trade, agriculture, the transnational narcotics industry, the environment, and labor markets in contemporary Latin America. *Prerequisite:* Economics 133 and 134. *Four credit hours.* D. 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.*

[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

231f 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.* TIETENBERG

[254] 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.

[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.

[277] 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.*

[278] 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.*

293f 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.* HOGENDORN

297f International Economics An introduction to basic theories and topics in international trade and financial relations. Analysis of the gains and losses from trade, global trade patterns, and free versus restricted trade policy debates. Also addressed are the nature of capital flows, monetary exchange rates, difficult domestic policy challenges, and the mysteries of the balance of payments. A study of trade and finance theory is balanced

with applications to international issues involving economic unions, energy dependency, mass migrations, income distribution, the backlash against free trade, uneven economic development, and industrial production. *Prerequisite:* Economics 133, 134. *Four credit hours.* VANTIL

[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. *Three or 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. *Three or four credit hours.* MEEHAN

333s 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. *Three or four credit hours.* LONG

336f 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 223 and 224 and 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

345fjs 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. Formerly listed as Economics 391. *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

[355] 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.*

373s 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. *Four credit hours.* MANSORI

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

473f 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 or permission of the instructor and senior standing as an economics major. *Four credit hours.* DONIHUE

475s Seminar: Economics of Organization Economic organizations (public corporations, nonprofit firms, partnerships, families, and social clubs, etc.) are pervasive in a market economy. Why do these organizations exist, and how are they organized? Focus on the economic explanations for the organization of firms. *Prerequisite:* Senior standing as an economics major. *Four credit hours.* MEEHAN

476s 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.* TIETENBERG

[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. *Four credit hours.* MANSORI

479s Seminar: 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:* Senior standing as an economics major. *Four credit hours.* LONG

491f, 492s Independent Study Independent study devoted to a topic chosen by the student with the approval of the department. *Prerequisite:* Senior standing as an economics major. *One to four credit hours.* FACULTY

Education and Human Development

Director, ASSISTANT PROFESSOR KAREN KUSIAK (SEMESTER I), ASSOCIATE PROFESSOR MARK TAPPAN (SEMESTER II)

Professor Terry Arendell (Sociology); Associate Professors Lyn Mikel Brown (Education and Human Development and Women's Studies), Tarja Raag (Psychology), and Tappan (Education and Human Development); Assistant Professors Karen Barnhardt (Education and Human Development) and Kusiak (Education and Human Development); Adjunct Assistant Professor Martha Denney

The goal of the Education and Human Development Program is to provide students with an opportunity to explore theory, research, and practice in education and human development from a rigorous interdisciplinary perspective. The program links the study of education and a critical/cultural approach to the study of human development because both disciplines share the same fundamental concerns: enabling individuals to transform their own lives, the lives of others, and the larger social systems and institutions in which they live and work. Both seek, therefore, to understand the variety of factors, operative at particular times and places, that either facilitate or hinder self-transformation, liberation, and the development of critical consciousness. The program is thus explicitly committed to promoting social justice, both in schools and in society at large. Students and faculty work together to examine the operation of power as it relates to the construction of knowledge, privilege, and oppression. Courses explore the impact of power, resources, cultural assumptions, societal norms, and institutional policies and practices on both individuals and groups. 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 technical issues of teaching and organizing schools; (2) asking critical questions about how taken-for-granted assumptions about conventional thinking and practice came to be, and who in society benefits from such assumptions; and (3) attending to race, gender, social class, sexual orientation, ability, and cultural biases that result in political, social, economic, and educational marginalization and inequality. Students are then 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.

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 and human development. Students in the program also participate in a variety of service learning, social activism, field placements, internships, and practicum experiences.

Three 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 **human development minor** encourages an interdisciplinary approach to understanding human growth and development. 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 and human development.

Students interested in professional certification should apply to the program in the spring of their junior year. Candidates must have at least a 3.0 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 with satisfaction 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 will also 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 may also pursue an **Independent Major in Human Development** under the auspices of the program. Requirements for this major typically include course work in education and human development, 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, 493, one practicum, internship, or field experience, and four electives in education and human development.

Requirements for the Minor in Human Development

Education 215, 493, one internship, field experience, or practicum, two electives from education and human development, and two electives from other departments, to be approved by the program chair.

Requirements for the Minor in Professional Certification

(1) A major, and at least a 3.0 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, one practicum (351 or 355), the Senior Student Teaching sequence (433, 435, 437), and two electives in education and human development.

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. DENNEY

115j Mentoring At-Risk Youth: Theory and Practice 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. Non graded. *Three credit hours.* S. INSTRUCTOR

215s 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. 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. BARNHARDT, TAPPAN

235f Multiculturalism and the Political Project An introduction to the critical tradition in education, particularly to the work of revolutionary multiculturalists and critical theorists. 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 have worked 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 continue the struggle for transformative knowledge and a critical democracy. *Four credit hours.* S, D. BARNHARDT

257f Educational Psychology Listed as Psychology 257 (q.v.). *Prerequisite:* Sophomore standing or above. *Four credit hours.* INSTRUCTOR

[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.

[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.*

332s 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 studies. *Four credit hours.* **D.** BROWN

336s 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, environmental education, multicultural education, integration, and affirmative action are analyzed through this historical framework. *Prerequisite:* Education 231. *Four credit hours.* **H.** BARNHARDT

[337] **Childhood in Society** Listed as Sociology 337 (q.v.). *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

359fs 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.* BARNHARDT

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

397f Educational Technology and Student Learning The ways in which educational technologies are used in schools; contemporary discourses about educational technology; techniques for employing educational technology effectively in the classroom. Students will engage in research projects related to the use of educational technology in schools. Can be used to demonstrate competencies for both the Maine Initial Teacher Certification

Standards and the National Educational Technology Standards. *Prerequisite:* Education 231. *Four credit hours.* KUSIAK

[431] 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. *Three credit hours.*

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

435f Student Teaching Seminar A focused seminar designed to accompany the student teaching practicum. Deals with practical issues such as lesson plan preparation, communication and discipline in the classroom, special class projects, and student evaluation. Analysis of, and reflection on, teaching through a daily journal and readings. Nongraded. *Prerequisite:* Senior standing as a professional certification minor. *Two 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 and 435. *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.*
FACULTY

493s 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.* BARNHARDT

English

Co-Chairs, PROFESSORS JENNIFER BOYLAN AND PETER HARRIS

Professors Douglas Archibald, Patrick Brancaccio, Charles Bassett, John Sweney, Susan Kenney, Harris, Ira Sadoff, W. Arnold Yasinski, Phyllis Mannocchi, Jean Sanborn, Pat Onion, Boylan, and David Suchoff; Visiting Professor Richard Flanagan; Associate Professors Robert Gillespie, Natalie Harris, Linda Tatelbaum, Cedric Gael Bryant, Laurie Osborne, Debra Spark, Michael Burke, Elizabeth Sagaser, Anindyo Roy, and Katherine Stubbs; Assistant Professors Elisa Narin van Court and Ted Underwood; Adjunct Assistant Professor David Mills; Visiting Assistant Professor Karen Karbiener; Visiting Instructor in English Elisabeth Stokes

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 carefully planned 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 literature major, concentrators in creative writing must take (1) a sequence of three workshops in one of the two genres offered (fiction—English 278, 378, 478, or poetry—279, 379, 479) and (2) the completion of a fourth requirement. This fourth requirement may be met in one of the following ways: a repetition of the advanced workshop (English 478 or 479); a workshop in another genre (English 278 for poets, English 279 for fiction writers); other courses in writing, including Creative Nonfiction (English 380), Environmental Writing (English 382), Screenwriting, when offered; or an independent study (English 491, 492) or honors projects (English 483, 484). The sequence can be completed beginning either in the sophomore or junior year, but because of limited enrollments in the workshops, serious, committed students should elect the concentration as soon as possible, as early as the spring of their first year. First priority for admission to English 278 and 279, the introductory courses in fiction and poetry writing, is given to sophomores. Owing to enrollment pressures, students who do not register for English 278 as sophomores may run the risk of being unable to elect the concentration. Admission to upperclass workshops is by manuscript submission only.

Attention is called to the **creative writing minor**, open to all majors, under a separate heading in this catalogue.

The department also encourages interdepartmental and interdisciplinary studies and supports the programs in American studies, African-American studies, women's 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.* SANBORN

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.* SANBORN

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. *Three credit hours.* FACULTY

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 Integrated Studies Program; requires concurrent enrollment in Philosophy 126. Admission by application. *Four credit hours.* BURKE

133f War, Modernity, and American Culture An analysis of the American culture in the Twenties and Thirties from a literary perspective—some poets of WWI, Hemingway, Fitzgerald, Richard Wright, and Steinbeck. Fulfills the English Composition requirement (English 115). Requires concurrent enrollment in Philosophy 133; admission by application. *Four credit hours.* BASSETT

136f Literature in the Post-War Era, 1945-1970 A writing course focusing on issues raised in selected works of the period by such writers as Kerouac, Orwell, Le Carré, Beckett, Plath, Miller, and Rand. Fulfills the College's composition requirement (English 115). Part of Integrated Studies Program; requires concurrent enrollment in History 136 and Philosophy 136. Admission by application. *Four credit hours.* SWENEY

[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 Literary Studies The students' encounter with the text, with the words on the page, is the central mission of the course. Attention to issues of genre, history, and culture will frame the encounter with modern and pre-modern literature. Another important focus will be developing a critical language for discussing and writing about literature. Required for English majors; should be taken during the first or second year. *Prerequisite:* English 115 or exemption. *Four credit hours.* FACULTY

172j Literary Studies The students' encounter with the text, with the words on the page, is the central mission of the course. Attention to issues of genre, history, and culture will frame the encounter with modern and pre-modern literature. Another important focus will be developing a critical language for discussing and writing about literature. Required for English majors; should be taken during the first or second year. *Prerequisite:* English 115 or exemption. *Three credit hours.* SWENEY

175f Writing on Ancient Thought *Four credit hours.* FLANAGAN

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.* SANBORN

[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.*

224f Theater History I Listed as Theater and Dance 224 (q.v.). *Four credit hours.* BOX

226s Theater History II Listed as Theater and Dance 226 (q.v.). *Four credit hours.* BOX

231j 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. PUKKILA

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. ONION, 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. N. HARRIS, STUBBS

265f Studies in British Literary History, Beowulf to Milton An examination of major British literary traditions by tracing the dialogues and debates on the issues of literary representation and influence, poetic traditions and counter-traditions, and aesthetics. An attempt to situate these debates within their specific cultural contexts and to examine their role in defining the parameters of literary culture through reading representative texts from the period. For students who wish to acquire a more comprehensive view of the continuum of British literature. *Four credit hours.* L. MANNOCCHI

266s Studies in British Literary History, 1600 to 1900 Selected works of British literature studied with an emphasis on the changing definition of "literature" itself. Suitable

for both majors and non-majors. Readings may include lyric poems by John Donne, Defoe's *Roxana*, Swift's *Gulliver's Travels*, Sterne's *Sentimental Journey*, ballads by Wordsworth and Coleridge, Eliot's *Adam Bede*, and critical essays by Matthew Arnold. English 265 is not a prerequisite. *Four credit hours.* L. KARBIENER

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. BOYLAN, KENNEY, SPARK

279fs Creative Writing: Poetry Introduction to the writing of poetry, with emphasis on student manuscripts. *Prerequisite:* English 115. *Four credit hours.* A. P. HARRIS

311s Middle Ages: Medieval Narratives and Cultural Authority The ways in which late medieval narratives create, recreate, and resist the various forms of cultural authority in 14th-century England. Both canonical and non-canonical materials, including romance, sermon literature, chronicles, hagiography, poetic narratives, drama, and the historical, social, and material contexts in which these works were written and transmitted. Readings include Geoffrey Chaucer, John Gower, William Langland, the Pearl poet, Margery Kempe, John Hoccleve, John of Trevisa, and Brome; critical skills honed with readings in the historical/cultural/critical traditions of Lee Patterson, Carolyn Dinshaw, Seth Lerer, Paul Strohm, Miri Reuben, and David Aers. *Four credit hours.* L. NARIN VAN COURT

[312] 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.

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

314f 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

[316] The Restoration The prose, poetry, and drama of 1660-1700, with special emphasis on the works of John Dryden and John Wilmot, Earl of Rochester. *Four credit hours.* L.

[317] The 18th Century I Selected works by writers of the first half of the century, such as Daniel Defoe, Alexander Pope, Jonathan Swift, Anne Finch, Lady Mary Wortley Montagu, and Henry Fielding. *Four credit hours.* L.

318s The 18th Century II Selected works by writers of the second half of the century, such as James Boswell, Samuel Johnson, Hannah More, Tobias Smollett, Laurence Sterne, Jane Austen, Matthew Lewis, and Anna Laetitia Barbauld. *Four credit hours.* L. SWENEY

321s The British Romantic Period In the early 19th century, British writers defined a newly ambitious project for literature, hinting that an imaginative connection to nature could replace older forms of religious belief and social prestige. An exploration of this project and of the energy it retains today. Poems by Blake, Wordsworth, Coleridge, and Keats; novels by Austen and Shelley. *Four credit hours.* L. UNDERWOOD

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.

325s 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

326s 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, Ciar'an Carson. *Four credit hours.* L. ARCHIBALD

[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.

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 for English majors. *Four credit hours.* L, D. 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.

[339] The American Renaissance II A close reading of the major works of Emerson, Thoreau, Margaret Fuller, Walt Whitman, and Emily Dickinson with emphasis on the transcendentalists' search for heightened consciousness and the connections between poetic and scientific truth. *Four credit hours.* L.

[341] American Realism and Naturalism Three literary genres that dominated late 19th-century American literature: realism, regionalism, and naturalism. How these categories developed in relation to specific social and economic conditions. Are these genres as clear-cut as they seem? Why did certain genres "get more respect" from the literary establishment? How did issues of race, gender, and class influence whether a given text was considered realist, naturalist, or regionalist? *Four credit hours.* L.

342s American Indian Literature The decades since the 1960s have seen a vigorous outpouring of literature from American Indian writers, many of whom merge oral tradition with Western literary forms to create a distinctively native voice. Focus will be on the relationship between contemporary writers and the traditional materials they work from, bringing critical approaches by American Indian writers to the reading of traditional stories and myths and contemporary American Indian poetry, fiction, and drama. *Four credit hours.* L, D. ONION

343f 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. BRYANT

344f 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. SADOFF

345f 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.*

347f Modern American Poetry A close look at the poetry and theoretical constructs of Modernism, its aesthetic, social and metaphysical stances as reflected in the poetry, the essays, and ideological statements of its partisans and opponents. Poets to be considered in literary, historical, and cultural context will be Robert Frost, T.S. Eliot, Ezra Pound, Langston Hughes, Marianne Moore, Wallace Stevens, William Carlos Williams. *Four credit hours.* L. SADOFF

348f 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; re-imagines 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. ROY

[349] 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.

351s 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. *Three credit hours.* L. P. HARRIS

352f Contemporary Asian-American Women Writers Listed as Women's Studies 315 (q.v.). *Four credit hours.* L, D. THOMA

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 Anzuldua, 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. MANNOCCHI

[376] 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.

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

379f 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.* P. HARRIS

380f Creative Nonfiction 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.* N. HARRIS

382s 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.* BURKE

397Af Topics in American Indian Literature: Tricks and Transformations Trickster rides the margins, a clever self-seeker who creates possibility through tricks, disguises, and shape-changing. An examination of humor and its use in surviving despair. Readings beginning with trickster cycles and stories from oral traditions and continuing in contemporary fiction, drama, poetry, and film. *Four credit hours.* L, D. ONION

397Bf Outlaw Poetry: Whitman to the Beats An exploration of the Whitman tradition and its shaping of American counterculture, focusing on development of prophetic, populist, political, and surrealist poetics of the 20th century, supplemented by its impact on art, music, and the oral musico-literary tradition. Preparation in Eastern and Western origins of Whitman's thought, Whitman's poems and prefaces, resultant counter-cultural proclamations regarding American art, society, and politics. Discussions of issues that continue to shape consciousness, including identity, spirituality, sexuality, social rebellion and artistic freedom, democracy, and the American Dream. Artists and art include the Bahagavad-Gita, Ginsberg, Kerouac, postbop, O'Hara, Snyder, Rich, Morrison, and Baraka. *Four credit hours.* L. KARBIENER, SADOFF

397Cf Paranoid Plots: From Gothic Romance to Science Fiction An exploration of the social theories that create suspense in popular thrillers. Conspiracy-theory thrillers hinge on the discovery that society conceals forces controlling individuals without their knowledge. Similar discoveries play a role in older genres of fiction: in the Gothic romance, for instance, and the hard-boiled detective story. Fiction by Du Maurier, Chandler, and Pynchon; films may include *Network* and *The Matrix*. To explain these texts' fascination with surveillance and evasion, they will be compared to theories of "mass society" developed by Mills and Foucault. *Prerequisite:* English 271 (may be taken concurrently.) *Four credit hours.* L. UNDERWOOD

397j 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

398As 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 course traces 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. The literature includes 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

398Bs Medieval Anti-Judaisms A close look at the origins of anti-Judaic writings as the basis for a detailed study of the complex representations of Jews and Judaism in various literary genres (chronicles, poetic histories, ritual murder narratives, drama, Jewish/Christian dialogues) from 14th- and 15th-century England. *Four credit hours.* NARIN VAN COURT

411f Shakespearean Excess Too much drink, too much violence, too much sex. Shakespeare's representations of excess, examined in the contexts of social practices, humoral psychology, and structures of political discipline in the Early Modern period. *Four credit hours.* L. OSBORNE

412s Shakespeare's Dying Monarch Analysis of Early Modern ideas about character by exploring the links between character and identity in Shakespeare's dramatic roles and their critical and theatrical histories. *Four credit hours.* L. OSBORNE

413Af Author Course: Sholem Aleichem The best of modern literature's classic Jewish writer: *Tevye the Dairyman (Fiddler on the Roof)* and Aleichem's important short fiction. How Aleichem's Yiddish humor gave dignity to a neglected language, criticizing the suffering of the Jewish past and preserving the wisdom so necessary to take along on the train of progress. Aleichem's paradigms for continuity and change in Jewish tradition were taken up in the parallel context of the Yiddish theater in plays such as An-Sky's *The Dybbuk* and Hirschbein's *Green Fields* that finish the course. *Four credit hours.* L. 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

413Cs 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

[417] Literary Criticism: 20th-Century Marxism and Popular Culture—The Frankfurt School The theories of the German (and Jewish) cultural critics Theodor Adorno and Walter Benjamin, who revolutionized the study of literature and society from the 1930s forward by combining Marx, Freud, and a commitment to see both high art and popular culture as driven by the same social forces. *Four credit hours.* L.

427s 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. BRYANT

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

457s 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. BRYANT

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

478f Advanced Fiction Workshop Practice in the writing of short stories and longer fiction, with major emphasis on student manuscripts. May be repeated once for additional credit. Admission is by manuscript submission only; consult instructor for deadlines and format for manuscript submission. *Prerequisite:* English 378. *Four credit hours.* SPARK

479s Advanced Poetry Workshop Practice in the writing of poetry, with major emphasis on student manuscripts. May be repeated once for additional credit. Admission is by manuscript submission only; consult instructor for deadlines and format for manuscript submission. *Prerequisite:* English 379. *Four credit hours.* P. HARRIS

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: Feminism and Film Theory Addresses the rich encounters between feminism and film theory using several genres of film (film noir, women's melodrama, horror, etc.) and diverse theoretical approaches ranging from psychoanalytic to deconstruction. *Prerequisite:* English 271. *Four credit hours.* L, D. OSBORNE

493Bf Seminar: Herman Melville The fiction and poetry of Melville, arguably America's greatest fiction writer, tracing his development and frustrations as a writer and testing the truth of his words to Hawthorne: "What I feel most moved to write, that is banned—it will not pay. Yet, altogether, write the other way I cannot. So the product is a final hash, and all my books are botches." *Four credit hours.* L. SWENEY

493Cf Seminar: Jane Austen: Fiction and Film Reading Jane over Gwyneth's shoulder. The novels of Austen in the contexts of late 18th- and early 19th-century culture and late 20th- and early 21st-century filmmaking. How do text and film complement, expand, revise, and comment upon one another and the cultures that produce them? *Four credit hours.* L, D. ARCHIBALD

493Ds Seminar: The Romantic Past Romantic writers were haunted by the past—both the intimate past of memory and déjà vu and the remote past of historical and geological record. To explore the reasons for this double fascination, we will read works by Goethe, Schiller, Wordsworth, Scott, Brontë, Freud, and Byatt. We will particularly try to understand why early 19th-century writers enjoyed blurring the line between memory and history, and why metaphors crossing that line remain evocative today. *Four credit hours.* L. UNDERWOOD

493Es 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: *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.* L. ARCHIBALD, SIMON

498s Literature of the Good Life What are the ingredients of the good life? What do we mean by "good"? Is there one life that would be good for all of us? What kind of society provides us the opportunity to build good lives? These and related questions will be considered in the works of such authors as Tolstoy, Thoreau, Rand, Skinner, Kerouac, Mowat, and Samuel Johnson. Part of the Integrated Studies Program, offered in conjunction with Philosophy 498. *Four credit hours.* SWENEY

Environmental Science

Directors, Professors F. Russell Cole (Biology) and David Firmage (Biology), Professor Robert Nelson (Geology) and Assistant Professor Jennifer Shosa (Geology), and Professors Thomas Shattuck (Chemistry) and Whitney King (Chemistry)

Colby offers environmental science majors in three departments in the Division of Natural Sciences: biology, chemistry, or geology. Each of these programs is designed to prepare students for roles as educated citizens in a world increasingly confronted with environmental problems, for graduate study in the environmental sciences or related disciplines, and for entry-level positions with consulting firms, government agencies, or non-governmental organizations. Also, Colby's Environmental Studies Program in the Division of Interdisciplinary Studies offers an interdisciplinary major in environmental studies with concentrations in policy and science, as well as a minor in environmental studies.

Environmental science concentration in biology 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 and a junior-year course in ecological theory that 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.

Environmental science concentration in chemistry 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 science concentration in geology An environmental concentration focusing on energy and water issues. Requirements include selected courses in biology, chemistry, mathematics, and economics, in addition to a core of geology courses. An independent project course serves as a culminating and integrating experience in the senior year.

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. Students are also 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 Woods Hole Oceanographic Institution.

Environmental Studies

Director, PROFESSOR THOMAS TIETENBERG

ADVISORY COMMITTEE: *Professors Tietenberg (Economics), William Burns (Environmental Studies and Government), Catherine Bevier (Biology), F. Russell Cole (Biology), David Firmage (Biology), James Fleming (Science, Technology, and Society), Whitney King (Chemistry), David Nugent (Anthropology), Jennifer Shosa (Geology), John Talbot (Sociology), and James Webb (History)*

The environmental studies programs are designed to provide a broad-based course of study. They are 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 Policy

I. All of the following courses

Environmental Studies 118, 235, 334; Economics 133, 231; Mathematics 112 or 231.

II. Five of the following courses

<i>Biology</i>	131	Biodiversity
	238	Bacteriology
	257	Winter Ecology
	258/358	Ecological Field Study
	271	Introduction to Ecology
	334	Ornithology
	352	Ecological Theory
	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 <i>or</i>
	141	Introduction to Physical Geology
	353	Groundwater Hydrology
<i>Physics</i>	141	Foundations of Physics I or 143 Honors Physics
	142	Foundations of Physics II
<i>Science, Technology, and Society</i>	215	Global Change: Environmental Science and Society

III. Policy Process

Government 131 (Introduction to International Relations) and *one* course from the following list:

<i>Economics</i>	312	Topics in Law and Economics
	332	Regulated Industries
<i>Environmental Studies</i>	237	Environmental Law
<i>Government</i>	111	Introduction to American Government and Politics
	212	The American Congress
	213	United States Senate Simulation

	310	Interest Group Politics
	311	The Judicial Process
	317	The Policy-Making Process
<i>Sociology</i>	251	Population Problems in International Perspective
	333	Globalization

IV. Environmental Issues

Three courses, including at least one 400-level course, selected from the following group:

<i>Administrative Science</i>	250	Industry, Technology, and Society, 1750-1915
	251	Industry, Technology, and Society Since 1900
<i>Anthropology</i>	256	Land, Food, Culture, and Power
<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>Education</i>	316	Education, the Environment, and Social Justice
<i>English</i>	376	Land and Language
<i>Environmental Studies</i>	298	The Emerging Challenge of Climate Change
	484	Honors in Environmental Policy
	493	Environmental Policy Seminar
<i>History</i>	244j	Changing Notions of Progress
	394	Ecological History
<i>Philosophy</i>	126	Philosophy and the Environment
<i>Science, Technology, and Society</i>	212	Native Natural Knowledge
	281	Global Environmental History
<i>Sociology</i>	336	The Sociology of Food

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 Gateway Courses

<i>Biology</i>	271	Introduction to Ecology
<i>Geology</i>	131	Introduction to Environmental Geology or Geology 141 Physical Processes of Planet Earth (Geology 141 required for those electing an environmental geology focus)
<i>Chemistry</i>	141 and 142	General Chemistry or Physics 141 and 142 Foundations of Physics I and II
<i>Economics</i>	133	Microeconomics
<i>Mathematics</i>	121	Single-variable Calculus and one course selected from 112 Elementary Statistics, 122 Series and Multi-variable Calculus, 231 Applied Statistics and Regression Analysis

II. Required Core Courses

<i>Environmental Studies</i>	118	Environment and Society
	231	Environmental and Natural Resource Economics
	235	Sustainable Development

III. Humans and the Environment (two courses)

<i>Anthropology</i>	252	Hunger, Poverty, and Population: The Anthropology of Development
	256	Land, Food, Culture, and Power
<i>Economics</i>	278	International Trade
	293	Economic Development of the Third World
<i>Environmental Science</i>	297	Environmental Law
	334	International Environmental Law
<i>History</i>	394	Ecological History
	481	Ecology and History
<i>Philosophy</i>	126	Philosophy and the Environment
	297	Environmental Ethics
<i>Sociology</i>	251	Population Problems in International Perspective

	333	Globalization
	336	The Sociology of Food
<i>Science, Technology, and Society</i>	281	Global Environmental History

IV. Focus Area (*five* courses from one of the following focus areas, chosen in consultation with advisor)

A. Conservation Biology (*one* course from the following)

<i>Biology</i>	237	Woody Plants
	254	Marine Invertebrate Zoology

Both of the following courses: Biology 319 Conservation Biology, 352 Ecological Theory

Two courses from the following:

<i>Biology</i>	211	Taxonomy of Flowering Plants
	258/358	Ecological Field Study
	334	Ornithology
	354	Marine Ecology
	373	Animal Behavior

B. Environmental Toxicology

<i>Biology</i>	163	The Cellular Basis of Life
	238	Bacteriology

<i>Chemistry</i>	241, 242	Organic Chemistry
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One course from the following:

<i>Biology</i>	214	Plant Physiology
	225	Immunology
	275	Mammalian Physiology
	315	Animal Cells, Tissues, and Organs

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

D. Environmental Chemistry

<i>Chemistry</i>	217	Environmental Chemistry
	241, 242	Organic Chemistry
	331	Chemical Methods of Analysis

One course from the following:

<i>Chemistry</i>	332	Instrumental Methods of Analysis
	341	Physical Chemistry
	367	Biochemistry of the Cell
	411	Inorganic Chemistry

V. Culminating Experience (*one* course)

<i>Biology</i>	451	Applied and Environmental Microbiology
	491/492	Independent Study
	493	Problems in Environmental Science
<i>Chemistry</i>	481/482	Special Topics in Environmental Chemistry
<i>Environmental Studies</i>	491/492	Independent Study
	493	Environmental Policy Seminar
<i>Geology</i>	494	Advanced Environmental Geology

Environmental studies majors with a concentration in environmental science must complete at least two courses at the 300 level selected from categories III and IV above. No requirement for the major may be taken satisfactory/unsatisfactory. AP credits can fulfill gateway course requirements based on exam performance and coverage. AP credits also can provide advance 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 environmental 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. An internship or research project in the discipline is strongly recommended.

Honors in Environmental Studies

Majors in environmental studies may apply during the fall semester of their senior year for admission to the honors program. Candidates must submit a proposal by the third week in October to continue their seminar project as an honors project in the spring semester. The proposal should contain information on both the project to be completed during the first semester (which should serve as the foundation for the honors research) and how this project would be expanded and refined in the following semester. Projects will be reviewed at the end of the fall semester for approval to continue as an honors project. On successful completion of the work of the honors project and the major, students' graduation from the College will be noted as being "With Honors in Environmental Studies."

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 Sociology 134 and either 333 or 336; or Anthropology 112 and either 252 or 256
- (3) Either Biology 271 and one course chosen from Biology 131, 133, 237, 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
	258/358	Ecological Field Study
	354	Marine Ecology
<i>Chemistry</i>	217	Environmental Chemistry
<i>Economics</i>	293	Economic Development of the Third World
	476	Advanced Topics in Environmental Economics
<i>Education</i>	316	Education, the Environment, and Social Justice
<i>Environmental Studies</i>	235	Sustainable Development
	319	Conservation Biology
	334	International Environmental Law
	493	Environmental Policy Seminar
<i>Geology</i>	352	Principles of Geomorphology
	353	Groundwater Hydrology
	494	Advanced Environmental Geology
<i>History</i>	394	Ecological History
	481	Ecology and History
<i>Philosophy</i>	297	Environmental Ethics
<i>Science, Technology, and Society</i>	215	Global Change: Environmental Science and Society
	250	Industry, Technology, and Society, 1750-1915
	251	Industry, Technology, and Society Since 1900
	281	Global Environmental History
<i>Sociology</i>	251	Population Problems in International Perspective
	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 and an **environmental science option** in the geology major. These are interdisciplinary 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.* COLE, FIRMAGE, TIETENBERG

197j Environmental Physics Listed as Physics 197 (q.v.). *Three credit hours.* N. CONOVER

[215] Global Change: Environmental Science and Society Listed as Science, Technology, and Society 215 (q.v.). *Four credit hours.* N.

217s Environmental Chemistry Listed as Chemistry 217 (q.v.). *Three credit hours.* KING

231f Environmental and Natural Resource Economics Listed as Economics 231 (q.v.). *Three or four credit hours.* TIETENBERG

235s 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.* BURNS

237j 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.* TREAT

271f Introduction to Ecology Listed as Biology 271 (q.v.). *Four credit hours.* N. COLE, FIRMAGE

[281] History of Global Environmental Change Listed as Science, Technology, and Society 281 (q.v.). *Four credit hours.* H.

298s The Emerging Challenge of Climate Change Analysis of the scientific, political, and legal issues associated with climate change. Major topics will include the science of the natural and anthropogenic greenhouse effects, the current and future impacts of climate change, national/international legal and policy responses to climate change, possible future adaptation responses, and the critical long-term policy agenda to stabilize emissions. Focus on North-South and intergenerational equity issues and their relevance within the context of the United Nations Framework Convention on Climate Change. *Four credit hours.* BURNS

[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.*

334s International Environmental Law An examination of the basic instruments of international law and its historical development in addressing international environmental issues in order to ascertain its role addressing current environmental problems. Under what conditions have states 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.* BURNS

352s Ecological Theory Listed as Biology 352 (q.v.). *Four credit hours.* COLE, FIRMAGE

[376] Land and Language Listed as English 376 (q.v.). *Four credit hours.* L.

476s Advanced Topics in Environmental Economics Listed as Economics 476 (q.v.). *Four credit hours.* TIETENBERG

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.*

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 in the environmental policy major. *Four credit hours.* BURNS

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 Jonathan Weiss, Jane Moss, Greenspan, and Suellen Diaconoff; Associate Professor Adrianna Paliyenko; Assistant Professor André Siamundele; Visiting Instructor Nathalie Drouglazet; Teaching Assistant Frederic Slaby

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. The Colby Placement Test only places the student in the appropriate level; it does not satisfy the language requirement.

Requirements for the Major in French Literature (available through the Class of 2004)

The major in literature promotes the acquisition of superior language skills and explores the richness of French literature while developing the critical and analytical skills that enhance the appreciation of literature.

A minimum of nine courses in French is required. Students choosing this option are normally required to take French 231, 252, and 493, plus at least six additional courses at the 200 and above level, four of which must be in literature at the 300 or above level.

The student is encouraged to study the literature of all periods and genres and to complement the language and literary studies with appropriate courses in the culture and history of France. It is recommended that students plan their programs so that they can also take advantage of the upper-level courses in language. Potential majors in French literature should consult with the department during orientation to determine the appropriate sequence of courses.

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.

For the classes of 2003, 2004: a minimum of nine courses in French, to include 231, 232, and 493.

Beginning with the Class of 2005: a minimum of 10 courses in French, beginning at the 200 level, including French 231; two courses selected from 232, 233, 238, 252; and 493.

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 elementary 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.

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 video taped 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.* DROUGLAZET

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 video taped 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.* FACULTY

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 video taped 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.* GREENSPAN, MOSS, 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 readings from regional authors and frequent visits to museums and other points of interest in the city. There will be one weekend excursion in Burgundy and one free weekend. Estimated cost: \$1,450. *Prerequisite:* French 126 or a score of 51 or higher on the fall Placement Test, and an interview with the instructor. *Three credit hours.* J. 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.* 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.* DROUGLAZET

231fs Advanced Grammar and Composition An advanced language course required of both 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

232f 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. J. WEISS

233s Contemporary France Emphasis on the institutions, events, and culture that shape France today, including politics, education, health care, and the justice system and 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.* J. WEISS

[234] 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.*

[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. Estimated cost: \$1,500-\$1,700 (dependent on number of participants). *Prerequisite:* French 127. *Three credit hours.* L, D.

238s Introduction to the Francophone World The French presence in the Americas, including Canada, New England, Louisiana, and the Antilles. Beginning with the period of exploration and colonization, an examination of the history, culture, music, language, and literature of North American and Caribbean francophone societies. *Prerequisite:* French 128. *Four credit hours.* D. MOSS

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." Theme for 2002: "Worlds Apart." *Prerequisite:* French 128. *Four credit hours.* L. PALIYENKO

[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.

353f 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. MOSS

[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

374s French Film and Culture An examination of the social problems and the existential concerns of 20th-century France as presented through the classics of French cinema, from the very beginning of film to the present day. Non-French majors may elect to write papers in English. *Four credit hours.* L. GREENSPAN

397f French Culture and Politics, 1918-1939 From the Boisterous Twenties to the Hollow Thirties. The cultural and political history of France from the excitement caused by new forms of art and literature (Dada and Surrealism) in the 1920s to the decadence of the 1930s, as France underwent profound changes. Phenomena such as immigration, socialism, and anti-semitism will be studied within the context of a Europe increasingly divided between fascism and communism. Students taking this course are encouraged but not required to enroll concurrently in History 397, which studies the same period in German history. Conducted in English. *Four credit hours.* H. J. WEISS

[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, depending on the student's major in French, and 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 Parisian Encounters: Great Loves and Grand Passions An integrating experience required for senior majors of both French studies and literature, 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 2002 is Parisian Encounters: Great Loves and Grand Passions. *Four credit hours.*
PALIYENKO

Geology

Chair, PROFESSOR ROBERT GASTALDO

Professors Donald Allen, Robert Nelson, and Gastaldo; Assistant Professor Jennifer Shosa; Senior Teaching Associate Bruce Rueger

If you are interested in Earth—how it developed its present characteristics and what may happen to it in the future, where life originated and what supports us on the planet, the physical and hydrologic framework for the environment, and our resources and their use—geology is the pivotal and fundamental science.

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 an Integrated Research Platform from which real-time environmental analyses and studies can be conducted.

Colby's setting also provides an intriguing and exciting area for field study, allowing students to integrate both 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, Campobello Island in New Brunswick, and the classic Joggins localities in Nova Scotia.

The department offers four 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 know that for most professional geological careers, graduate school training will be necessary. Those anticipating entering graduate school immediately upon graduation strongly should consider completing as many major course requirements as possible by the end of their junior year to be prepared to engage in summer research programs prior to their senior year; geology-biology and geology-environmental science majors may be deficient in course work for admission to many geology graduate programs. Consultation with an academic advisor can alleviate any potential problems.

Requirements for the Major in Geology

Geology 141, 142, 225, 226, 251, 331, 332, 351 or 353, 356, and at least three hours of 491 or 492; Mathematics 121, 122, and either Mathematics 112 or Computer Science 151; Chemistry 141, 142 (or 145); Physics 141, 142.

The **earth science option** is offered for students planning to teach in the secondary schools; the requirements are: Geology 141, 142, 225, 226, 251, 351, 356, and at least three hours of 491 or 492; Chemistry 141; Science, Technology, and Society 215. (Students

who elect this major option and then decide to enter graduate school in geology will need to complete the remainder of the courses required for the basic geology major to be prepared adequately.)

The **environmental science option** is designed to provide students with a core of geology courses supplemented by environmentally related courses from other departments; it is intended for those students who particularly are interested in the geological aspects of environmental science. The requirements are as follows: Geology 141, 142, 225, 353, 356, and 494; Biology 163, 164, 271; Chemistry 141, 142, 217 (*or any of the following: 241, 242, 331, 332*); Mathematics 121, 231; Physics 141; Economics 133, 231.

Requirements for the Major in Geology-Biology are designed for those students whose interests bridge the two disciplines or who are interested particularly in paleontology. The requirements are as follows: Geology 141, 142, 225, 251, 356, 372, and at least three hours of 491 or 492; Biology 163, 164, 271; one course chosen from Biology 211, 214, 216, 232, 252, 276, 279, 312, 320, 352, 354, 357, 379; Chemistry 141, 142; Mathematics 121 and one course chosen from Mathematics 122, 231, 381. The point scale for retention of the major applies to all courses in geology and biology.

Students should consult one of the major advisors regarding election of languages and other required courses in the first and sophomore years.

Requirements for Honors in Geology

This program involves a substantial research component in the student's senior year, with no less 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 Earth science. 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 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. Cannot be counted toward the geology major. Not open to students who have already completed 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. *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. GASTALDO

151j 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. NELSON

[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.

197j Paleoclimates Earth's climate has been shaped by short-term and long-term natural processes both internal and external to our planet. Lectures will explore climate relative to historical records at various scales throughout the past millennia and geological records of the Quaternary and Deep time. Laboratories will involve data analysis of climate records and proxies. *Three credit hours.* N. GASTALDO

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

226s 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. *Prerequisite:* Geology 225. *Four credit hours.* ALLEN

251s 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

[331] Structural Geology Processes and results of deformation of rocks, including stress and strain, faults, folds, joints, and rock fabrics. *Prerequisite:* Geology 142. *Four credit hours.*

332s Igneous and Metamorphic Petrology Structured as a continuation of Geology 331. Hand-specimen and thin-section examination of igneous and metamorphic rocks to determine structure, composition, and origin. Lecture and laboratory. *Prerequisite:* Geology 226. *Four credit hours.* ALLEN

351f 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. *Prerequisite:* Geology 141, 142 or 331; 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

353f 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). Normally offered in odd-numbered years. *Prerequisite:* Geology 142. *Four credit hours.*

356f 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.* GASTALDO

372s 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 will be 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. Normally offered in even-numbered years. (Though this course is offered spring semester, it requires an all-day field trip the first Saturday of the preceding *fall* semester.) *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 and Chemistry 141. *Four credit hours.* ALLEN

398s Geochemistry An introduction to geochemical principles and a broad overview of geochemical processes. Specific principles covered include thermodynamics, kinetics, aqueous solution chemistry, solution-mineral equilibria, crystal chemistry, and isotope geochemistry. Geochemical processes discussed include cosmochemistry, geochemical evolution of the Earth, weathering and diagenesis, metamorphism, magmatic processes, hydrothermal ore formation, and global geochemical cycles. Laboratory will focus on analytical procedures. *Prerequisite:* Permission of the instructor. *Four credit hours.* SHOSA

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

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; Instructor Maria Morrison; Language Assistant Barbara Habermann

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 a 400 level course. 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 either from the German curriculum 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>	417	Literary Criticism
<i>Government</i>	257	Politics and Government of West Europe
	262	German Unification
	398B	The European Union
<i>History</i>	215	Heresy, Humanism, and Reform
	223	European Politics, Culture, and Thought, 1789-1914

	224	Germany and Europe, 1871-1945
	320	The Crisis of European Civilization, 1900-1925
	322	Europe and the Second World War
	397	Roaring Twenties, Depressing Thirties
	421	Debating the Nazi Past
<i>Music</i>	242	Music History II
	258	In Search of Bach
<i>Philosophy</i>	359	19th-Century Philosophy
	374	Existentialism

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 and Human Development 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.* MCINTYRE

125j 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. *Three 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.* REIDEL-SCHREWE

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.* MCINTYRE

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 every day life in Germany will be employed to stimulate conversation. Does not count toward the language requirement or the majors in German. *Prerequisite:* German 126. Nongraded. *One credit hour.* HABERMANN

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 in German. *Prerequisite:* German 127. Nongraded. *One credit hour.* HABERMANN

[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.*

132j 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.* REIDEL-SCHREWE

135f 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. REIDEL-SCHREWE

231f 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.* REIDEL-SCHREWE

[232] 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.*

[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.*

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 in German. *Prerequisite:* German 131. Nongraded. *One credit hour.* HABERMANN

[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.*

[355] **19th-Century German Literature** From Romanticism to Realism. Comparative reading of works by Novalis, Eichendorff, Kleist, E.T.A. Hoffmann, Stifter, Keller, and Büchner. Analysis will focus on the changing conception of nature and the individual. *Four credit hours.* L.

[358] **Lovers and Losers in German Literature** Reading and discussion of world-renowned novels and stories under the aspect of contemporary perceptions of male and female relationships. Texts include Goethe's *Werther*, E.T.A. Hoffmann's *Rat Krespel*, Thomas Mann's *Der Tod In Venedig*, Franz Kafka's *Die Verwandlung*, Elfriede Jelinek's *Die Klavierspielerin*, and Bernhard Schlink's *Der Vorleser*. Conducted in German. *Four credit hours.* L.

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

[493] **The Image of America in German Literature and Film** Various images of the United States of America as evidenced in German literature and film of the 19th and 20th centuries. Emphasis on construction of self and other, and the use and potential transcendence of stereotypes. *Prerequisite:* A 200-level German course. *Four credit hours.* L.

494s Seminar in 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.* MCINTYRE

Government

Chair, PROFESSOR KENNETH RODMAN (SEMESTER I), PROFESSOR L. SANDY MAISEL (SEMESTER II)

Professors Maisel, G. Calvin Mackenzie, Rodman, and Anthony Corrado; Associate Professors Guilain Denoeux and Jennifer Yoder; Assistant Professors Joseph Reisert and Ariel Armony; Visiting Assistant Professor Mark Brewer

The Department of Government offers a wide range of courses in American government and politics, comparative government and politics, international politics, political theory, 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 these 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 3.5 GPA in the major or permission of the department. Eligible students must have completed Government 281 prior to the senior 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 are normally limited to 30 students, 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. BREWER, MACKENZIE

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. BURNS, 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. ARMONY, DENOEU

171fs 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. CORRADO, REISERT

211f 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.* MACKENZIE

[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.*

213j 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. BREWER

[214] **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.*

[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.*

232f **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.* RODMAN

[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.*

237f **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. RODMAN

238j **Politics of War Crime Tribunals** *Three 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. DENOEU

252f **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. 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.** INSTRUCTOR

[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.**

255s 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.** HATCH

[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.*

258s 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.* YODER

261f Introduction to Japanese Politics The political base of post-war Japan's economic development, the strengths and weaknesses of Japanese government institutions, and Japan's emerging global role. *Prerequisite:* Government 151. *Four credit hours.* **D.** 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.*

[271] 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.*

272s 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.* REISERT

[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. BREWER

297f Urban Government and Politics An overview of the government and politics of cities and metropolitan areas in the United States, beginning with an examination of the rapid growth of American cities in the second half of the 19th century, with a focus on the rise of machine governments, and progressing chronologically, with discussions of the Progressive Era reforms of urban government, urban politics in the middle of the 20th century, and the turbulent politics of cities during the 1960s and 1970s. Particular attention will also be devoted to the relationship between urban areas and the federal government. Finally an examination of present-day urban government and politics, discussing such issues as service provision, policing, environmental racism, economic development, and government consolidation. *Four credit hours.* S. BREWER

310s 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. *Prerequisite:* Government 111. *Four credit hours.* CORRADO

313f 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.* REISERT

314s Constitutional Law II: Individual Rights Legal, moral, and political controversies involving the Bill of Rights and the Fourteenth 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.* REISERT

[316] **Presidential Electoral Politics** The procedural and strategic environment of presidential general election contests and the strategic decision making that takes place in presidential campaigns. An introduction to recent controversies concerning polling

techniques, the role of the media in covering elections, negative advertising, and candidate debates. A case study of recent elections. *Prerequisite:* Government 111. *Four credit hours.*

317s The Policy-Making Process An examination of 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.* MACKENZIE

[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.*

[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.*

[334] International Environmental Law Listed as Environmental Studies 334 (q.v.). *Four credit hours.*

335f 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.* INSTRUCTOR

[336] International Relations Theory An examination of the major paradigms and theoretical problems in the analysis of international relations. How do we explain and predict the shape of world politics? Theoretical approaches include realism, liberalism, constructivism, cognitive analysis, feminist theory, rational choice, and game theory. *Prerequisite:* Government 131. *Four credit hours.*

[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 world views 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.

[359] 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.*

371f 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 and the writings of Locke, Montesquieu, and selected Federalist and anti-Federalist essays. *Prerequisite:* Government 111. *Four credit hours.* CORRADO

398As Globalization and Social Justice *Four credit hours.* ARMONY

398Bs The European Union *Four credit hours.* YODER

398Cs Political Economy of Regionalism *Four credit hours.* HATCH

[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.*

413s 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.* MACKENZIE

[414] 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.*

[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.*

419f Campaign Finance: Applied Policy Studies An examination of the role of money in the political process and the policy debates surrounding a variety of campaign finance reform options. Special emphasis on campaign finance issues as they relate to faith-based and ethnic-based or minority communities. Students will participate in research projects related to the Colby College Campaign Finance Reform Project. *Four credit hours.* CORRADO

432s 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

435f 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.* ARMONY

451s 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.* DENOEUX

[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.*

475f 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.* REISERT

483f, 484s Honors Workshop Individual and group meetings of seniors and faculty participating in the government honors program. *Prerequisite:* Admission to the honors program. *Three or 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

Greek

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 Greek Learn to explore firsthand the great works of literature, history, philosophy, religion, and the origins of Western civilization, improving English vocabulary and developing analytical skills. *Four credit hours.* H. ROISMAN

[111j] Introductory Greek Learn to explore firsthand the great works of literature, history, philosophy, religion, and the origins of Western civilization, improving English vocabulary and developing analytical skills. *Four credit hours.*

112s Intermediate Greek As facility with the ancient Greek grows, students read extracts from the great authors of Ancient Greece, including Euripides, Plato, and excerpts from the Bible (Old and New Testament). *Four credit hours.* H. ROISMAN

131f Introduction to Greek Literature Selected readings; see Greek 236 for fall 2002 description. Successful completion of this course fulfills the College language requirement. *Prerequisite:* Greek 112. *Four credit hours.* L. H. ROISMAN

231f 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. *Four credit hours.* L. H. ROISMAN

[233] Plato's *Symposium: The Meaning of Love* Socrates and Diotima discuss the true meaning of love. *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. *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. *Four credit hours.* L.

[239] Revenge and Cowardice: Euripides's *Electra* Forced to endure the murder of her father, Agamemnon, by her mother, Clytemnestra, Electra yearns for vengeance. She is counting on her brother, Orestes, to come home and demand blood for blood. Euripides takes a well-known myth, cunningly adapts it to his own purposes, and invests it with fresh and compelling passion. *Four credit hours.* L.

[353] Xenophon's *Anabasis: A Mercenary's Tale* Selections from Xenophon's eyewitness account of a Greek mercenary army's battles, betrayals, and courage in the face of adversity. The expedition of Cyrus to take the Persian throne from his brother with the help of Greek troops is the setting for one of the great true stories of military endeavors. *Four credit hours.* L.

[356] The Wrath of Achilles: Homer's *Iliad* *Four credit hours.* L.

[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? *Four credit hours.* L.

[358] Politics of Revenge: Sophocles's *Electra* Electra's own inaction in the face of her mother's crime is examined in this drama. Each of Greece's great tragedians confronted this horrifying tale of conflicting duties and responsibilities. The differing emphases and perspectives of Euripides and Sophocles will receive particular scrutiny. *Four credit hours.* L.

359s 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? *Four credit hours.*

L. H. ROISMAN

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

[125] **Beginning Hebrew I** *Three credit hours.*

[126] **Beginning Hebrew II** *Three credit hours.*

[127] **Intermediate Hebrew** *Three credit hours.*

History

Chair, ASSOCIATE PROFESSOR RAFFAEL SCHECK

Professors Richard Moss and Robert Weisbrot; Associate Professors James Webb, Elizabeth Leonard, Larissa Taylor, Scheck, and Paul Josephson; Assistant Professors Howard Lupovitch, Peter Ditmanson, and Ben Fallaw; Visiting Assistant Professor Silvana Palermo; Visiting Instructor Jonathan Beagle; Faculty Fellows Kimberly Jarvis and Lee Butler

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. Beginning with the Class of 2005 one of these courses must be at the 300-level. Up to four of the 12 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. The combined number of courses both transferred from other colleges and universities and counted from allied fields at Colby College 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.

Details on the division of courses among the fields are available in the department office and on the History Department's home page: <http://www.colby.edu/history/>.

The point scale 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). Those that also fulfill the diversity requirement include the D designation.

Course Offerings

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

[105] **History and the Homeric Epics** Listed as Classics 135 (q.v.). *Three credit hours. H.*

[106] **Topics in Ancient History: Greek History** Listed as Ancient History 158 (q.v.). *Three or four credit hours. H.*

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. 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. SCHECK*

131f Survey of United States History, to 1865 A general overview of key issues and events in United States history from the age of settlement through the Civil War. *Four credit hours. H. MOSS*

132s Survey of United States History, 1865 to the Present The rise of national power and its implications for American democratic values. *Four credit hours. H. WEISBROT*

136f 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 '60s. 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 counter-culture? Part of the Integrated Studies program; requires concurrent enrollment in English 136 and Philosophy 136. Admission by application. *Four credit hours.* H. WEISBROT

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. INSTRUCTOR

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. INSTRUCTOR

154s Roman History Listed as Ancient History 154 (q.v.). *Three or four credit hours.* H. J. ROISMAN

171s Introduction to Latin American Studies Listed as Latin American Studies 171 (q.v.). *Four credit hours.* H, D. INSTRUCTOR

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. PALERMO

181f Jewish History I: From Antiquity to 1492 A survey of Jewish history from the world of the Hebrew Bible to the Expulsion from Spain. Topics include the Chosen People, the Kingdom of David, the age of prophecy, the sacrificial cult, Jews in the Hellenistic world, the revolt of the Maccabees, the birth of Christianity, Masada, 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, and the Golden Age of Spain. *Four credit hours.* H, D. LUPOVITCH

182s 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. LUPOVITCH

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. JOSEPHSON, MOSS

[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 Topic for 2001: The Black Death. 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.*

[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.

214f **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. TAYLOR

[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.

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

[220] **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.

223f **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. SCHECK

[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.

[227] **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.

[228] **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.**

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.** JARVIS

232s 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.** INSTRUCTOR

[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.**

[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.**

236f Christianity from the Reformation to the Present Listed as Religious Studies 236 (q.v.). *Four credit hours.* **H.** CAMPBELL

[237] Women in American Religion Listed as Religious Studies 257 (q.v.). *Four credit hours.* **H, D.**

[238] Religion in the U.S.A. Listed as Religious Studies 217 (q.v.). *Four credit hours.* **S.**

[239] 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.**

[241] History of Science in America Listed as Science and Technology Studies 271 (q.v.). *Four credit hours.* **H.**

[242] Industry, Technology, and Society, 1750-1915 Listed as Science and Technology Studies 250 (q.v.). *Four credit hours.* **H.**

243f Industry, Technology, and Society Since 1900 Listed as Science and Technology Studies 251 (q.v.). *Four credit hours.* **H.** REICH

244j 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. Offered in January 2001 as History 299B. *Three credit hours.* H. JOSEPHSON

247f 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. WEISBROT

[254] 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.

[256] Japan from Early Times to the 17th Century An exploration of the social, political, and cultural dimensions of Japanese civilization from prehistoric times to the establishment of the Tokugawa Shogunate through study of the ancient archaeological record, early myths and legends, Shinto and Buddhism, the beginnings of empire, the development of Heian aristocratic society, the devolution of power and the rise of the warrior class, Tokugawa political consolidation, and the emergence of urban popular culture. *Four credit hours.* H, D. BUTLER

[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.

261f 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. *Four credit hours.* H, D. 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.

[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.

[275] Strongmen and Populism in Modern Spain and Latin America A cross-disciplinary study of the historical circumstances behind the failure of the Spanish Republic and the rise of Franco's fascist regime, the Mexican Revolution and its institutionalization under Cardenas, the rise of Peronism in Argentina, and Gertulio Vargas's Estado Novo of Brazil, crises that brought populist regimes and caudillos, or charismatic strong leaders, to power. *Three credit hours.* H.

276s 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. 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.

[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 counter-culture 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.

[283] **Jewish Biography and Autobiography** How do Jews remember their lives, and how are they remembered by their contemporaries? Readings include the personal histories of Theodore Herzl, Gershom Sholem, Solomon Maimon, Elie Wiesel, and Golda Meir. *Three credit hours.* H, D.

284f **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. LUPOVITCH

[285] **Christianity: An Introduction** Listed as Religious Studies 215 (q.v.). *Four credit hours.* H, D.

297Af **History of Work, Workers, and Labor Movements in Modern Latin America** An examination of the historical transformations of the world of labor in the 19th and 20th centuries. How laboring peoples' social experiences and identities changed as capitalist development consolidated in the region. Topics include the formation of the working class in diverse Latin American nations, workers' participation in anti-colonial, revolutionary, and populist movements, the incorporation of working class communities into national politics and consumer society, the relevance of female work, and critical issues regarding class, race, and gender, with emphasis on historians' theoretical and methodological perspectives as workers' politics and culture are analyzed. *Four credit hours.* H. PALERMO

297Bf **A History of the Hub: Boston, Massachusetts, 1630-1865** The evolution of Boston from its origins as the Puritans' fabled "City Upon a Hill" to its emergence as a center of abolitionist activity and military recruitment during the Civil War. Topics include the role of religion in creating the community, the impact of urban and commercial growth, racial and ethnic relations in the city, and Boston's leadership in the politics of the Revolution as well as its influence upon American culture. *Four credit hours.* H. BEAGLE

298j **Modern Jewish History Through Film** *Three credit hours.* H. LUPOVITCH

298As **Nations, Nationalism, and Citizenship in Modern Latin America** *Four credit hours.* H, D. PALERMO

298Bs History of Women and Gender in Latin America *Four credit hours.* H, D. PALERMO

[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.

[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.

[318] **Medicine and Disease in Medieval and Early Modern Europe** A seminar exploring the evolution of medical theory and practice from Hippocrates, Galen, and Soranus to the development of medical faculties at medieval universities, including how professionalization affected women practitioners. A look at normal life stages, pregnancy, childbirth, midwifery, and mental health. The major medieval diseases: leprosy, plague, and syphilis. Ethical issues regarding social reactions to the physically and mentally sick, including stigmatization, stereotyping, segregation, and assertion of “family values” against perceived threats. *Four credit hours.* H, D.

[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.

[320] **The Crisis of European Civilization, 1900-1925** An analysis of the immensely creative and destructive European crisis in the period of World War I. Examines the breakthrough of “modernity” in the arts and society, the devastating experience of the first total war of societies, and the effects of the struggle both in culture and politics. *Four credit hours.* H.

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. SCHECK

[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.

[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.

[336] **America: The New World, 1607-1783** The American colonies from their earliest settlement to the Revolution; the emergence of a unique American society and mind from the Puritans to George Washington. *Four credit hours.* H.

[340] **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.

[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.

347s **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. WEISBROT

[364] **African Economic History** A junior-level seminar on major issues in African economic history. Topics include the interpretation of long distance trade, African production systems, African moneys, the economic significance of slavery in Africa, the Atlantic slave trade, the commercial revolution, colonial and postcolonial policy, food crisis, and international aid. *Four credit hours.* H, D.

374s **Religion and World War II** Listed as Religious Studies 334(q.v.). *Four credit hours.* CAMPBELL

[382] **Women in Modern Jewish History** Exploring the experiences of Jewish women during the last three centuries, as a sub-group of world Jewry with a distinct experience of modernity and as a reflection of broader currents in modern Jewish history. The legal and actual status of women in the world of traditional Judaism, the discrepancies between the static religious role and the more dynamic social role of women in Jewish communal life, the influence of affluent Jewish women in communal politics, the image of women as the defenders of Jewish traditions in the face of assimilation, the interplay between Jewish women and the feminist movement, and the impact of Jewish movements such as Hasidism, Zionism, liberalism, and socialism on Jewish women. *Four credit hours.* H, D.

[383] **War and Society: Classical and Modern Perspectives** Listed as Ancient History 393 (q.v.). *Four credit hours.*

384s **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. LUPOVITCH

[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.

[394] **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.

397f 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. Students taking this course are encouraged but not required to enroll concurrently in French 397, which studies the same period in French history. *Four credit hours.* H. SCHECK

398s Russian History Through Novel and Film The interconnections between Russian politics, intellectual life, and culture in 19th-century and revolutionary Russia through reading of literature (e.g., Gogol, Pushkin, Turgenev, Tolstoy, Dostoevsky, Pasternak) and interpretation of film. *Four credit hours.* H. TAYLOR

[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.

413s 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. *Four credit hours.* H. TAYLOR

418f 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. TAYLOR

421s Research Seminar: Debating the Nazi Past Focus on the rise of Nazis and on different interpretations of the Third Reich: everyday life, policies toward women and workers, attitude of churches, role of the army, genesis of the Holocaust, Hitler's way of governing and popular perception of him; how Germans have dealt with the Nazi past over the last 50 years. *Prerequisite:* Permission of the instructor. *Four credit hours.* H. SCHECK

[422] **Research Seminar: Topics in Modern European Women's History** Focuses on the rise of political women's movements in the 19th century, the impact of World War I on women, the introduction of universal suffrage, the "new woman" of the 1920s, the status of women in authoritarian systems (fascist Italy, Nazi Germany, Soviet Union), and the impact of World War II on gender roles. Special attention to the articulation of women's

rights in the context of democratization and rising mass nationalism. *Prerequisite:* Permission of the instructor. *Four credit hours.* **H, D.**

[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.**

[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.**

446s 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 276 or 394. *Four credit hours.* **H.** WEBB

447f 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.** WEISBROT

[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.**

[479] Research Seminar: Jews and the City An examination of the Jews of three cities that emerged as major urban centers and major centers of Jewish culture during the 19th century—New York, Vienna, and Budapest—from their origins in the 18th century through World War II. Topics include the impact of urban life on Jewish identity, the role of neighborhoods in the preservation of Jewish communal solidarity, the mixed attitudes of native and immigrant Jews toward one another, Jewish participation in urban culture, the intellectual world of leading Jewish thinkers such as Sigmund Freud and Albert Einstein, the enigmatic rise of urban anti-semitism in a cosmopolitan milieu, and the tension between the benefits of anonymity and the tenacity of ethnic cohesiveness. Background in Jewish, European, American, or urban history is encouraged. *Four credit hours.* **H, D.**

[481] Research Seminar: Ecology and History The changing relationship between human agency and the environment over the course of world history, examining broad themes such as the agricultural and industrial revolutions, the integration of world ecozones, historical epidemiology, and the impact of technological change on the environment. *Four credit hours.* **H.**

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 *Prerequisite:* Permission of the instructor. *One to four credit hours.* FACULTY

[494] History Independent Research *Prerequisite:* Permission of the instructor. *One to four credit hours.*

497f Research Seminar: Science, Government, and Culture An in-depth study of the influence of political and cultural factors on science and technology in Weimar and Nazi Germany, the Soviet Union, and the United States in the 1920s and 1930s. *Prerequisite:* Permission of the instructor. *Four credit hours.* H. JOSEPHSON

Human Development

In the Program in Education and Human Development.
A minor in human development is described in the "Education and Human Development" 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 between 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 2002-2003 the program will offer four first-year clusters and two 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. Admission by application. *Twelve credit hours.* BURKE, CHRISTENSEN, KASSER

133f 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. Admission by application. *Eight credit hours.* BASSETT, KASSER

136f Post-War World: 1945-70 A three-course cluster (all required) dealing with the social history, literature, and philosophy of the post-World War II era, the 1950s and 1960s. For descriptions see English 136, History 136, Philosophy 136. Admission by application. *Twelve credit hours.* MCARTHUR, SWENEY, WEISBROT

175f The Ancient World A two-course cluster (both required) with a focus on ancient Greek thought and culture. For descriptions see English 175, Philosophy 175. Admission by application. This cluster will have an optional third course in January that includes a trip to Greece. *Eight credit hours.* FLANAGAN, MCPHERAN

397f France and Germany Between the Two World Wars A two-course cluster for advanced students that will give insights into the relationship between cultural and political history in two very different but comparable countries. For descriptions see French 397, History 397. *Eight credit hours.* SCHECK, J. WEISS

498s The Good Life A two-course cluster for seniors that investigates theories of and statements about the good life in literature and philosophy. For descriptions see English 498, Philosophy 498. *Eight credit hours.* MCARTHUR, SWENEY

International Studies

Director, ASSOCIATE PROFESSOR JENNIFER YODER

ADVISORY COMMITTEE: *Professors Jane Moss (French), Priscilla Doel (Spanish), Patrice Franko (Economics and International Studies), 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, and*

Yoder (Government and International Studies); Assistant Professors Ariel Armony (Government), Ben Fallaw (History and Latin American Studies), Kashif Mansori (Economics), and John Talbot (Sociology)

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 or French studies, Spanish, Latin American studies, environmental policy or studies, Russian, East Asian studies, 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 2.7 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
	297	Blackness in Latin America
	298	Anthropology of Mexico
	<i>Economics</i>	214	Latin American Economic Policy
<i>Government</i>	253	Latin American Politics
	254	Latin American Politics in Film
	298	Politics in Brazil
	335	United States-Latin American Relations
	450	Democratization in Latin America
<i>History</i>	171	Introduction to Latin American Studies
	173	Introduction to Latin American History
	275	Strongmen and Populism in Modern Spain and Latin America
	297	History of Work, Workers, and Labor Movements in Latin America
	298B	History of Women and Gender in Latin America
	298A	Nations, Nationalism, and Citizenship in Modern Latin America
<i>Latin American Studies</i>	298	Cinema and Identity in Latin America
<i>Spanish</i>	261	Spanish-American Literature I
	262	Spanish-American Literature II
	273	Contemporary Spanish-American Short Story
	371	The Colonial Experience
	493	The Colonial Andean World

Europe and Russia:

- French* 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
 374 Film and Culture
 397 French Culture and Politics, 1918-1939
 493 Parisian Encounters: Great Loves and Grand Passions
- German* 232 Survey of German Culture
 234 Post-War German Culture in Literature and Film
 358 Lovers and Losers in German Literature
- Government* 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
 359 Political Ideologies
 398 The European Union
- History* 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
 320 The Crisis of European Civilization, 1900-1925
 322 Europe and the Second World War
 397 German Culture and Politics Between the World Wars:
 Roaring Twenties and Depressing Thirties
 398 Russian History Through Novel and Film
 418 Research Seminar: Art of Biography: Tudor England
 421 Seminar: Debating the Nazi Past
- Italian* 398 Modern and Contemporary Italian Literature and Culture
- Russian* 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
- Spanish* 233 Contemporary Spanish Culture
 271 Questions of Identity, Spaces, and Power
 298A Topics in Contemporary Spanish Film
 298B Foundational Fictions
 334 Women in Hispanic Texts
 351 Ideology and Ethics in Spanish Golden Age Literature
 352 Don Quijote
 371 The Colonial Experience
 493 Seminar: Feminine Fictions

Africa:

- Anthropology* 237 Ethnographies of Africa
254 Women of the African Diaspora
- French* 372 France and Africa
- History* 261 African History
284 Zionism and the Jewish State
298 Modern Jewish History Through Film
364 African Economic History

The Middle East:

- Government* 251 Israelis and Palestinians: Conflict and Accommodation
252 Politics of the Middle East
351 United States Policy Toward the Middle East
- History* 284 Zionism and the Jewish State
298 Modern Jewish History Through Film
- Religious Studies* 254 Islam and the Middle East

Asia:

- Anthropology* 239 Southeast Asian Cultures and Societies
- East Asian Studies* 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
- Government* 233 International Relations in East Asia
255 Introduction to Chinese Politics
261 Introduction to Japanese Politics
- History* 254 The World of Ming China, 1368-1644
256 Japan from Early Times to the 17th Century
298 Modern Jewish History Through Film
452 The Rise of Modern East Asia
- Religious Studies* 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

Courses Approved to Fulfill the Policy Studies Component:

Courses must be drawn from at least two different disciplines.

- Anthropology* 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
398 Topics in Nationalism and Ethnicity
- Economics* 214 Economic Policy and Performance in Contemporary Latin America
231 Environmental and Natural Resource Economics
277 International Finance
278 International Trade
293 Economic Development of the Third World
297 International Economics
333 Evolution of the Global Economy
373 Open-Economy Macroeconomics
- Environmental Studies* 237 Environmental Law
298 The Emerging Challenge of Climate Change

<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
	334	International Environmental Law
	335	United States-Latin American Relations
	351	United States Policy Toward the Middle East
	398B	The European Union
	398A	Globalization and Social Justice
	398C	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>	298B	History of Women and Gender in Latin America
	298A	Nations, Nationalism, and Citizenship in Modern Latin America
	322	Europe and the Second World War
	347	America in Vietnam
	364	African Economic History
	374	Religion and World War II
	394	Ecological History
	446	Research Seminar: Historical Epidemiology
	447	Seminar: The Cold War
	481	Seminar: Ecology and History
	497	Research Seminar: Science, Government, and Culture
<i>Latin American Studies</i>	298	Third World Feminisms
<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
	298	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
	481	Ecology and History
<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 will also 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 3.4 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, East Asian studies, economics, environmental policy or studies, French or French studies, German, government, history, 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>Anthropology</i>	398	Topics in Nationalism and Ethnicity
<i>Economics</i>	277	International Finance
	278	International Trade
	293	Economic Development of the Third World
	333	Evolution of the Global Economy

<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
	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
	398B	The European Union
	398C	Political Economy of Regionalism
	432	Seminar: United States Foreign Policy
	435	Memory and Politics
<i>History</i>	322	Europe and the Second World War
	347	America in Vietnam
	374	Religion and World War II
	447	Seminar: The Cold War
<i>Science, Technology, and Society</i>	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
	293	Economic Development of the Third World
	297	International Economics
	333	Evolution of the Global Economy
	373	Open-Economy Macroeconomics
<i>Government</i>	332	International Organization
	398B	The European Union
	398C	Political Economy of Regionalism
<i>History</i>	364	African Economic History
<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
	297	Blackness in Latin America
	298	Anthropology of Mexico
<i>Economics</i>	214	Economic Policy and Performance in Contemporary Latin America
	277	International Finance
	278	International Trade
	293	Economic Development of the Third World
	297	International Economics
<i>French</i>	372	France and Africa
<i>Government</i>	235	Sustainable Development
	252	Politics of the Middle East
	253	Latin American Politics
	298	Politics of Brazil

	353	Promoting Democracy in Transitional Countries
	450	Seminar: Democratization in Latin America
	451	Seminar: Political Violence, Revolutions, and Ethnic Conflict
<i>History</i>	298B	History of Women and Gender in Latin America
	298A	Nations, Nationalism, and Citizenship in Modern Latin America
	364	African Economic History
	394	Ecological History
	481	Seminar: Ecology and History
<i>Latin American Studies</i>	298	Third World Feminisms
<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-	Economic Seminar (if topic is appropriate)
<i>Environmental Studies</i>	237	Environmental Law
	298	The Emerging Challenge of Climate Change
	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
	481	Seminar: Ecology and History
<i>Sociology</i>	251	Population Problems in International Perspective
	336	Sociology of Food
<i>Science, Technology, and Society</i>	281	Global Environmental Change

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	African Economic History
<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
	452	Anthropology of Power
<i>Government</i>	272*	Modern Political Theory
	398	Globalization and Social Justice
	451	Seminar: Political Violence, Revolutions, and Ethnic Conflict
<i>History</i>	298B	History of Women and Gender in Latin America
	298A	Nations, Nationalism, and Citizenship in Modern Latin America
	481	Seminar: Ecology and History
<i>Latin American Studies</i>	298	Third World Feminisms

<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 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. Topics may vary but will focus on the experiences and expertise in human rights represented by the Oak Fellow. Nongraded. *One credit hour.* MILLS

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

[494] Senior Project An independent study taken in the senior year that can be substituted for the senior seminar requirement. It can either be taken freestanding for four credits or in association with a seminar-style 200- or 300-level class for two credits. The former option requires prior course work in the chosen field and the approval of an appropriate supervisor. Permission to take the latter option is at the discretion of the instructor and the program director. *Two to four credit hours.*

Italian

In the Department of French and Italian.

All courses are conducted in Italian.

Chair, PROFESSOR ARTHUR GREENSPAN (FRENCH)

Assistant Professor Mario Moroni, Visiting Assistant Professor Olivia Holmes; Teaching Assistant Simone Rui

Course Offerings

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.* COOPER

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.* MORONI

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.* RUI

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.* L. MORONI

398s 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 *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

[002] Emergency Medical Technician Training Intensive training in basic techniques practiced in emergency medicine. Theory and practical exercises given in conjunction with Kennebec Valley Technical College. Course includes the basic 100-hour EMT program and requires eight to 10 additional hours of clinical observation in a hospital emergency department. Upon completion of the course, which includes examinations, it is possible to be certified as a State of Maine and/or National Registry EMT. Supplemental course cost (\$410) covers materials, the licensing exam, and a required CPR course offered

the first day; it does not include text and workbook. *Prerequisite:* Up-to-date CPR for the health care provider. *Noncredit.*

[006] 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. Contact Dr. Hume at hahume@colby.edu. *Noncredit.*

[007] 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. Contact Dr. Hume at hahume@colby.edu. *Noncredit.*

[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 ten hours per week will be spent in the classroom with additional hands-on activities available outside of classroom time. Students seeking additional information can contact Scott Guay at slguay@colby.edu. *Noncredit.*

[131] The Greening of Faith Is the degradation of nature evidence of a spiritual emptiness confronting humanity? Is environmental protection a religious issue? Using essays, videos, and personal journals, the course will explore how many people of spirit, from Buddhists to evangelical Christians, have come to believe that a more holistic view of the environment that includes a sense of the sacred in nature is the key spiritual issue of the new millennium. Students seeking additional information can contact Ms. MacKenzie at shmacken@colby.edu. *Two credit hours.*

[137] Multidisciplinary Approaches to HIV/AIDS Since its first appearance in 1981, AIDS has become perhaps the most serious public health problem of the 20th century. 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.*

Japanese

In the Department of East Asian Studies.

Chair, PROFESSOR TAMAЕ PRINDLE [JAPANESE]

Professor Prindle; Assistant Professor Randle Keller Kimbrough; Teaching Assistant Ayaka Sogabe

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. *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 Elementary Japanese I Introduction to the spoken and written language, to provide a thorough grounding in all the language skills: speaking, listening, reading, and writing. *Five credit hours.* PRINDLE

[125j] Elementary Japanese Introduction to the spoken and written language, to provide a thorough grounding in all the language skills: speaking, listening, reading, and writing. *Five credit hours.*

126s Elementary Japanese 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. Five credit hours.* PRINDLE

127f Intermediate Japanese I A continuation of the methods and goals used in elementary Japanese. *Prerequisite: Japanese 126. Four credit hours.* KOIKE

128s Intermediate Japanese II A continuation of the methods and goals used in elementary Japanese. *Prerequisite: Japanese 127. Four credit hours.* KOIKE

135fs Conversational Japanese I In a small group setting, students practice speaking. Nongraded. *Prerequisite: Concurrent enrollment in Japanese 125 or 126. One credit hour.* SOGABE

235fs Conversational Japanese I In a small group setting, students practice speaking. Nongraded. *Prerequisite: Concurrent enrollment in Japanese 127 or 128. One credit hour.* SOGABE

321f 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. Four credit hours.* PRINDLE

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 321. Four credit hours.* PRINDLE

[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 Fourth-Year Japanese Further reading, writing, listening, and speaking in Japanese, using current newspaper articles, short stories, and audiovisual materials. *Prerequisite: Japanese 322. Four credit hours.* KOIKE

422s Fourth-Year Japanese Further reading, writing, listening, and speaking in Japanese, using current newspaper articles, short stories, and audiovisual materials. *Prerequisite: Japanese 421. Four credit hours.* KOIKE

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, ASSISTANT PROFESSOR HOWARD LUPOVITCH

PROGRAM FACULTY AND ADVISORY COMMITTEE: *Professor Robert Weisbrot (History); Associate Professors Guilain Denooux (Government), David Suchoff (English), and Raffael Scheck (History); Assistant Professors Howard Lupovitch (History) and Elisa Narin van Court (English); Visiting Instructor 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 2.0 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
<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
	283	Jewish Biography and Autobiography
	284	Zionism and the Jewish State
	298	Modern Jewish History Through Film
	382	Women in Modern Jewish History
	384	Dilemmas of Modern Jewish Identity
	386	Anti-Semitism
	421	Research Seminar: Debating the Nazi Past
	479	Research Seminar: Jews and the City
<i>Religious Studies</i>	151	Reflections on Evil: A Study of the Book of Job
	233	Introduction to Hebrew Scriptures
	393	Judaism: Ancient and Modern
	398	Deicide vs Ditheism: Jewish/Christian Dialogue Through the Millennia

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.* BARRETT

112s Intermediate Latin As you learn more Latin, you read extracts from Roman law courts. If the toga doesn't fit, you must acquit. *Prerequisite:* Latin 111. *Four credit hours.* BARRETT

131f Introduction to Latin Literature Selected readings; see Latin 255 for fall 2002 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. BARRETT

[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. *Four credit hours.* L.

[251] **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. *Four credit hours.* L.

[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? *Four credit hours.* L.

[271] **Horace's *Epodes*: Lampoons and Blame Poetry** Horace is one of Rome's greatest and most influential poets, but often textbooks focus on his blandest poems for fear of offending anyone. A selection from *The Epodes*, a book of often scurrilous abuse in poetic form focusing in particular on his poems about witches and witchcraft. *Four credit hours.* L.

297f Druids and Romans: Caesar's *Gallic War* Julius Caesar's remarkable account of conquering Gaul, the people living there, their beliefs and practices, and the fascinating Druids. What his work tells us about these Celts, their German neighbors, and about Rome itself. Also, Caesar's *Gallic War* and the history of historiography. *Four credit hours.* BARRETT

[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. *Four credit hours.* L.

[353] **Catullus and Horace: Poetry of Love and Wine** The course will concentrate on Catullus: his passionate feelings for a woman and his tortured grief for his brother.

Other readings include a few of Horace's short poems on wine, politics, and friendship. *Four credit hours.* L.

[358] **Tacitus: *Agricola*** *Four credit hours.* L.

[362] **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. *Four credit hours.*

398s Myth and History at Rome: Cicero's *De Re Publica* Cicero's fictional dialogue recounts the founding of Rome and its early history: Romulus, the Sabine women, and more. Also the dialogue's conclusion, the *Somnium Scipionis*, in which Scipio relates his famous dream explaining life after death. *Four credit hours.* BARRETT

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, ASSOCIATE PROFESSOR DAVID NUGENT

ADVISORY COMMITTEE: *Professors Jorge Olivares (Spanish) and Patrice Franko (Economics and International Studies); Associate Professors Nugent (Anthropology) and Betty Sasaki (Spanish); Assistant Professors Ariel Armony (Government), Ben Fallaw (History and Latin American Studies), Luis Millones-Figueroa (Spanish), and Maritza Straughn-Williams (Anthropology and African-American Studies); Visiting Professor Bobby Vaughn (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 2.7 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 3.3 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
	252	Hunger, Poverty, and Population: The Anthropology of Development
	254	Women of the African Diaspora
	297	Blackness in Latin America
<i>Economics</i>	298	Anthropology of Mexico
	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, 200 B.C.-Present
	297	History of Work, Workers, and Labor Movements in Modern Latin America
	298A	Nations, Nationalism, and Citizenship in Modern Latin America
	298B	History of Women and Gender in Latin America
<i>Spanish</i>	231	Advanced Spanish
	261	Spanish-American Literature I
	262	Spanish-American Literature II
	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
	493	Seminar: The Colonial Andean World

Course Offerings

171s 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.** PALERMO

298As Cinema and Identity in Latin America Questions of identity—national, personal, political—as they are played out in filmmaking in Latin America over the 20th century through an overview of film industries throughout the continent and focusing on recent trends in Mexico and Argentina. Part 1 concerns film production in Mexico since 1988 (the start of the Salinas sexenio), considering issues as diverse as the changing role of women, the challenge to hegemonic discourses of power and narrative, and the perennial presence of the border between Mexico and the U.S. Part 2 begins with the end of the guerra sucia in Argentina, and examines attempts by filmmakers during this period to re-imagine and cinematically re-assess the events of the dictatorship. *Four credit hours.* **D.** FINNEGAN

298Bs Third World Feminisms An examination of debates surrounding feminism and the Third World, including the tensions inherent in the relationship between First and Third World feminists, including an overview of general debates on the issue with focus on three

principal areas. First, the problematic relationship between Latin American women and the perceived notion of feminism as a middle-class Western construct; second, writing by and about Muslim women, concentrating on recent scholarship on Afghanistan and current debates about Islam and the West; finally, writing by minorities living in the First World—Latina women in the U.S. and Asian women in the U.K. The final section will explore cultural, political, and economic issues regarding the Third/First World phenomenon with particular attention to questions of language, identity, and power. *Four credit hours.* D. FINNEGAN

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 2002-2003 include the following:

<i>Classics</i>	137 Literature of Greece and Rome
	242 Tragedies of Passion: Euripides
<i>East Asian Studies</i>	231 The Chinese Novel: Vignettes of Life in Imperial China
	232 Male Friendship in Chinese Literature
	252 Hell on Earth? Chinese Writers on Modern Chinese Society
	332 Masterpieces: Modern Japanese Novels
<i>Russian</i>	231 War and Peace (in Translation)
	238 The Search for Utopia: 20th-Century Russian Literature
	271 Human Rights in World Literature

Mathematics

Chair, ASSOCIATE PROFESSOR GEORGE WELCH

Professors Pete Hayslett, Thomas Berger, and Fernando Gouvêa; Visiting Professors William Berlinghoff and Ramachandran Bharath; Associate Professors Leo Livshits, Benjamin Mathes, and Welch; Assistant Professors Jan Holly and Otto Bretscher

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 are interdepartmental joint majors in economics-mathematics and philosophy-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 and does not 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.**

111f 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

112fs Elementary Statistics Description of data, confidence intervals, tests of hypotheses, non-parametric statistics, experimental design, analysis of variance, correlation and regression (including multiple regression), use of computer statistical packages. Credit is not given for both Mathematics 112 and 231. *Four credit hours.* Q. BHARATH

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 differential and integral calculus of one variable; infinite series; vectors and analytic geometry in two and three dimensions; vector calculus; multi-variable calculus. *Prerequisite:* A course in single-variable calculus. *Four credit hours.* Q. FACULTY

131f 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. LIVSHITS

161f Honors Calculus I Differential calculus of one and several variables: functions, limits, continuity, and differentiation. May not be taken for credit if the student has earned credit for Mathematics 122. First-year students must complete the mathematics placement questionnaire prior to selecting this course. *Prerequisite:* Students must have had substantial calculus in high school. *Four credit hours.* Q. LIVSHITS

162s Honors Calculus II A continuation of Mathematics 161. Integral calculus of one and 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.* LIVSHITS

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, WELCH

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 is not given for both Mathematics 112 and 231. *Prerequisite:* Mathematics 102, 121, or 161. *Four credit hours.* Q. BHARATH

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, LIVSHITS, 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, MATHES

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. Formerly listed as Mathematics 262. *Prerequisite:* Mathematics 122 or 162. *Four credit hours.* BERGER

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.* BERGER, HOLLY

312s 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 302 (the latter may be taken concurrently.) Mathematics 311 is recommended. *Four credit hours.* HOLLY

313f 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.* GOUVÊA

[331] General Topology Elementary set theory, functions, equivalence relations, topological spaces, basis for a topology, subspaces, concept of neighborhoods, open and closed sets, continuous functions, product topology, connectedness, separation axioms, coverings of spaces, compactness, paracompactness, metric spaces, and identification topology. *Prerequisite:* Mathematics 274. *Four credit hours.*

332f 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.* HOLLY

333f Abstract Algebra Introduction to algebraic structures, such as groups, rings, integral domains, and fields. *Prerequisite:* Mathematics 253 and 274. *Four credit hours.* MATHES

336f Mathematical Economics Listed as Economics 336 (q.v.). *Prerequisite:* Economics 223, 224, and Mathematics 122 or 162. *Four credit hours.* MANSORI

338s Real Analysis An introduction to real analysis, with special focus on foundational issues. *Prerequisite:* Mathematics 122 or 162, and 274. *Four credit hours.* GOUVÊA

[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 to the 20th century. 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 Random variables, special probability distributions, moment generating functions, maximum likelihood estimators, sampling distributions, regression, tests of hypotheses, confidence intervals, linear models, analysis of variance. Although applications are discussed, the emphasis is on theory. *Prerequisite:* Mathematics 122 or 162. *Four credit hours.* HAYSLETT

382s Mathematical Statistics Random variables, special probability distributions, moment generating functions, maximum likelihood estimators, sampling distributions, regression, tests of hypotheses, confidence intervals, linear models, analysis of variance. Although applications are discussed, the emphasis is on theory. *Prerequisite:* Mathematics 381. *Four credit hours.* HAYSLETT

391f 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.* LIVSHITS

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.* MATHES

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.*

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, ASSOCIATE PROFESSOR STEVEN SAUNDERS

Professor Paul Machlin; Associate Professors Jonathan Hallstrom, Eva Linfield, and Saunders; Assistant Professors Steven Nuss and Patricia Helm; Adjunct Associate Professor Cheryl Tschanz

The Colby Music Department includes music historians, composers, and theorists, all of whom are performing musicians. The curriculum for majors and non-majors is designed to provide a broad range of academic studies in music at all levels while also allowing students the opportunity to develop their creative and expressive gifts as performers. The department's conviction that music bears an intimate relationship to the cultural and social matrix from which it springs is reflected in the diversity of course offerings.

Facilities include a 394-seat recital hall, two concert grand pianos and several smaller grands, an orchestra and band rehearsal room, a fully digital electronic music center with a variety of sound-producing and -recording equipment, teaching studios, and practice rooms. Performances are scheduled in the recital hall and in Lorimer Chapel. The Art and Music library contains a listening center, tapes and recordings, and resource materials for curricular and recreational needs.

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 except Music 153. 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, fees, scheduling, and related matters, refer to the applied music statement below.

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 prerequisite 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 are 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, except 213, fulfill the area requirement in arts (A). Those that also fulfill the diversity requirement include the D designation.

Course Offerings

091f 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-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. Jan Plan cost: \$210. *Noncredit.* FACULTY

093f Applied Music: Ensemble (noncredit) Noncredit participation in musical ensembles sponsored by the Music Department. See description for 193. *Noncredit.* FACULTY

111fs Introduction to Music Why does the music that we typically identify as "classical" produce such intense reactions in some listeners, while others find the music merely pleasant or even incomprehensible? Much of the answer lies in our awareness of what to expect as we listen to particular types of musical works. The course aims to heighten the experience of listening to Western art music through a survey of the major periods of music history (Medieval, Renaissance, Baroque, Classical, Romantic, and Contemporary). Emphasis is on listening to and thinking critically about individual compositions and their cultural context. No previous musical experience is assumed. *Four credit hours.* A. SAUNDERS

[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 nonlinear 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. Offered January 2001 as Music 197. *Three credit hours.* A.

[133] American Music A survey of American music from the time of the Pilgrims to the present, examining the cultivated traditions of art song, symphony, chamber music, and opera, 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, Ives, Joplin, Gershwin, and Ellington), and consideration of relationships between music and cultural context. *Four credit hours.* A.

153fs 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 not intending to major in music. *Four credit hours.* A. HELM

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. GRIVES

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.* NUSS

183f 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. NUSS

184s 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, figured-bass, and simple improvisation). Primarily for music majors; open to other qualified students with permission of the instructor. *Prerequisite:* Music 181. *Four credit hours.* A. HELM

191f 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), and selected brass and woodwind instruments. 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.* FACULTY

193f 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 will undertake to form small ensemble groups as the need arises. 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.*

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. GRIVES

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. GRIVES

Jazz Band. The Jazz Band presents a standard Big Band set-up 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. 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

213s 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 (the 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.* Q. HALLSTROM

[232] **Jazz History** Jazz between 1900 and 1950: an examination of the music and the cultural and social forces that shaped it. Specific consideration to the development of various forms and styles (the blues, New Orleans jazz, stride piano, big band music, bop), analyses of the music of performers and composers (Louis Armstrong, Bessie Smith, Duke Ellington, Charlie Parker, Miles Davis), and a study of the relationship between the vocal and instrumental forces that make the music. *Prerequisite:* Music 111 or 133 or 153 or 181. *Four credit hours.* D.

[236] **American Musical Theater in the 20th Century** A history of American musical theater in the 20th century, focusing on African-American shows of the pre-Broadway era and the jazz age; cabarets and revues; Broadway's golden years—the works of Berlin, Gershwin, Kern, and Porter; modernist trends, revivals, classics of the second golden age, and post-modernism on Broadway (Sondheim). *Prerequisite:* Music 111, 133, or 153. *Four credit hours.* A.

[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, or 153. *Four credit hours.* A, D.

241s 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; its relation, for example, to theology, literature, and the visual arts. *Prerequisite:* Music 111 and 181. *Four credit hours.* LINFIELD

242f 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

252s 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. NUSS

[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 (the Musical Instrument Digital Interface) skills. *Prerequisite:* Music 181. *Four credit hours.* A.

[255] **Music, Sexuality, and Gender in Opera** Representative operas from the 17th through 20th centuries, among them Monteverdi's *Coronation of Poppea*, Handel's *Orlando*, Verdi's *Otello*, and Strauss's *Salome* or Berg's *Lulu*. Evaluation of the literary texts as sources for the libretti as well as analysis of the operas as a synthesis of libretti and music texts. Contemporary theoretical issues for a study of eroticism, homoeroticism, construction of gender, and history of the castrati. *Prerequisite:* Music 111 or 152. *Four credit hours.* A, D.

[256] **The Romantic Generation** A close study of mid-19th-century piano music, song, and chamber music, with special attention to the music of Schubert, Schumann, Chopin, and Liszt. The relationship of biography to compositional style, cultural context, performance practice as well as historical and analytical issues. Frequent in-class performances by faculty and the Portland String Quartet. *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.

258s 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.* LINFIELD

271f 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.* NUSS

281f Music Theory III Form and structure, harmony, and an introduction to chromatic harmony. Primarily for music majors. *Prerequisite:* Music 182. *Four credit hours.* HALLSTROM

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.* NUSS

[341] 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.*

358s 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. SAUNDERS

[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.*

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

493f Seminar: The Musical Avant Garde An examination of a wide range of post-World War II composers, their diverse (and often quirky) compositional approaches, and their relationship to the musical mainstream. Where possible, connections will be made with parallel efforts in other arts. *Prerequisite:* Senior standing as a music major or minor. *Four credit hours.* HALLSTROM

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

Acting Chair, PROFESSOR CHESHIRE CALHOUN

Professors Robert McArthur, Calhoun, and Daniel Cohen; Visiting Professor Mark McPheran; Associate Professor Jill Gordon; Visiting Assistant Professor Jeffrey Kasser

“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

Philosophy 151 or 158; 211, 231, 232, and two courses selected from 239, 317, 353, 376; four additional courses in philosophy—at least three of which are above the 100 level, one of which may be 483, 484, 491, or 492, but none of which may be 277 or 278s—and participation in the Philosophy Department colloquium series 201-202.

Requirements for the Major in Philosophy-Mathematics

In philosophy: 158; 111 or 211; 231, 232, 258, and 353.

In mathematics: 121 or 161; 122 or 162; 274, 333, and 338.

Physics 141, 142 is recommended for the major.

The point scale for retention of each of the above majors applies to all courses that count toward the major.

Honors in Philosophy

Students majoring in philosophy or philosophy-mathematics 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 program and of the major will enable the student to graduate “With Honors in Philosophy” or “With Honors in Philosophy-Mathematics.”

Requirements for the Minor in Philosophy

Six courses in philosophy, which must include (1) one introductory course selected from Philosophy 111, 114, 135, 151 or 158, 174, or 211; (2) either Philosophy 231 or 232; (3) one additional course in the history of Western philosophy selected from Philosophy 231, 232, 352, 353, 359, 373, 374, 378; and (4) three additional courses at or above the 200 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

114f 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. KASSER

[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. Offered January 2001 as Philosophy 197. *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 Integrated Studies Program; requires concurrent enrollment in English 126. Admission by application. *Four credit hours.* S. KASSER

133f 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. *Four credit hours.* S. KASSER

135s 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.* COHEN

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 in English 136 and History 136. Admission by application. *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. *Three credit hours.* Q. COHEN

155f 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. *Four credit hours.* S, D. GORDON

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. *Three credit hours.* Q. MCARTHUR

175f Ancient Greek Thought An interdisciplinary introduction to ancient Greek philosophy focusing on the questions of the origin and nature of "philosophy" itself by contrast with other forms of thought (notably: mythical, poetical, religious). Also considered will be the reception of Greek philosophy in contemporary thought. Requires concurrent enrollment in Classics 175; admission by application. *Four credit hours.* S. MCPHERAN

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. *Noncredit.* CALHOUN

211f Moral Philosophy An introduction to three major philosophical approaches to ethics: utilitarianism, Kantian ethics, and virtue ethics. Includes moral decision-making procedures, theory evaluation, the relation of law and morality, and such special topics as self-respect, snobbery, moral luck, and saintliness. *Four credit hours.* S. CALHOUN

[212] 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.*

213f 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. 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 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

236s 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. GORDON

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. *Three credit hours.* COHEN

[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.**

274s Philosophy of Religion Some of the principal philosophical problems concerning the nature and justification of religious belief and experience, problems such as the nature of God, arguments for the existence of God, the problem of evil, mysticism, and the relation of faith and reason. Formerly listed as Philosophy 372. *Prerequisite:* One course in philosophy or religious studies. *Four credit hours.* **S.** KASSER

277f 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 to three credit hours.* INSTRUCTOR

278s 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 to three credit hours.* INSTRUCTOR

[312] **Philosophical Topics in Feminist Theory** Differing feminist conceptions of love, sexuality, and marriage and other domestic partnerships. Critical examination of writings on both heterosexual and homosexual relationships and their political and cultural implications. *Prerequisite:* A prior course in philosophy or women's studies. *Four credit hours.* **S, D.**

[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.*

338f 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. *Three credit hours.* COHEN

352s 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. Formerly listed as Philosophy 252. *Four credit hours.* **H.** KASSER

[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. Formerly listed as Philosophy 453. *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.

373s 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. COHEN

374s 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.* L. 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.*

[392] 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, the "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.*

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 is a condition of successful completion of this program. *Prerequisite:* Senior standing, a 3.0 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. *One to four credit hours.* FACULTY

498s The Good Life *Four credit hours.* MCARTHUR

Physical Education and Athletics

DIRECTOR OF PHYSICAL EDUCATION AND ATHLETICS MARCELLA ZALOT
Adjunct Professors Richard Whitmore, Debra Aitken, and James Wescott; Adjunct Associate Professors Tom Austin, Edward Mestieri, and Thomas Dexter; Adjunct Assistant Professors Jennifer Holsten, Heidi Godomsky, Patricia O'Brien, James Tortorella, Thomas Burton, Julie Wienski, Tracey

Cote, Mark Godomsky, Candice Parent, and Robert Quinn; Adjunct Instructors David Zazzaro, Stewart Stokes, and Sakhi Khan; Staff Coaches Mark Serdjenian, Richard Bailey, and Brenda Beckwith

Although physical education activity 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

Professor Murray Campbell; Associate Professors Robert Bluhm, 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, 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.

<i>Astronomy</i>	231	Introduction to Astrophysics
<i>Biology</i>	274	Neurobiology
	379	Electron Microscopy
<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, 262, 311, 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.

115s 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 nuclear weapons and nuclear power, the creation of the first nuclear bomb during World War II and the effects of its use (physical, moral, political, and environmental), the post-war, Cold-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. CONOVER

[116] Chaos and Complexity Why are long-term predictions of the weather impossible, even in principle? Can science explain large-scale order such as life and consciousness? How do complex behaviors emerge from particles interacting through simple forces? Are there complex phenomena that cannot be reduced to a more fundamental level? Questions such as these are posed by the new field of complexity science. With a minimum of mathematics this course surveys recent discoveries that point to a new conceptual framework for understanding the emergence of order in both the natural and social sciences. *Prerequisite:* A working knowledge of high school algebra; 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. CONOVER

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

197j Environmental Physics A continuation of Physics 141 and Physics 143 with an emphasis on the physics of environmental processes and issues. Topics will include energy and thermodynamics related to human use and production of energy, the transportation of pollutants in the environment, and nuclear technology. *Prerequisite:* Physics 141 or 143. *Three credit hours.* N. CONOVER

[231] Introduction to Astrophysics Listed as Astronomy 231 (q.v.). *Four credit hours.* N.

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.* BLUHM

[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.* INSTRUCTOR

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 262. *Four credit hours.* INSTRUCTOR

[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.*

[335] 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.*

[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.*

338s 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.* FADEM

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.* CAMPBELL

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

432f 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.* CONOVER

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

[493] Physics and Astronomy Seminar Discussion of topics of current interest in physics and/or astronomy. *One credit hour.*

Psychology

Chair, PROFESSOR DIANE WINN

Professors Nicholas Robrman, Winn, and Edward Yeterian; Associate Professor Tarja Raag; Visiting Assistant Professors Joseph Atkins, Rebecca Burch, Sarah Estow, and George Ladd; 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 dedicated for use by advanced students. All laboratories as well as a data center for student use are equipped with computers having network and mainframe 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. Colby psychology students have presented numerous papers at professional meetings and have been awarded prizes for undergraduate research excellence at various scientific meetings.

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, 298, 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, 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, 398; at least one additional course numbered 300 or higher. In addition, Biology 163, 164, 274. In addition, at least one biology course from 232, 276, 279, 255, 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. BURCH, ROHRMAN

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.* RAAG

[136] Topics in Sex and Gender An introductory-level examination of psychological research and theory on topics in sex and gender. Both traditional and current perspectives reviewed. Focus topics are drawn from research literatures in the area of sex/gender, including sexuality, gender roles, gender identity, social behaviors, stereotypes, health, and cognition. Priority to non-psychology majors and minors. Cannot be counted toward the psychology major or minor. *Three credit hours.* D.

171j Psychology of Nazi Germany An examination of the historical, social, economic, and psychological conditions that led to the establishment of the Nazi Germany totalitarian

regime, from approximately 1900 to the end of World War II. Includes introductory material on the Holocaust and the conditions that made it possible as well as current attempts at denial. Cannot be counted toward the psychology major or minor. *Prerequisite:* Psychology 121. *Two credit hours.* ROHRMAN

197j Virtual Reality As computing technology gets faster and cheaper, the rendering of near-veridical 3-D environments allows novel simulations and experiments to be created. An exploration of current trends in virtual reality development and research, focusing on what is currently feasible, reasonable assessments for its potential uses, and the limitations associated with it. Applications in behavioral research will be highlighted and students will design research proposals for VR experiments. Cannot be counted toward the psychology major or minor. *Prerequisite:* Psychology 121. *Two credit hours.* ATKINS

214fs Research Methods and Statistics 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. *Prerequisite:* Psychology 121, 122. *Four credit hours.* Q. ATKINS

232f Cognitive Psychology The human information processing system: how stimulus information is transformed, stored, retrieved, and used. Lecture and laboratory. *Prerequisite:* Psychology 121, 122. *Four credit hours.* ROHRMAN

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, 122. *Four credit hours.* BURCH

[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, 122. *Three credit hours.*

[235] 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.*

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.* BURCH

[237] Psychology of Language Selected topics in psycholinguistics, language and thought, the role of linguistic entities in psychological processes, propaganda and persuasion. Will normally include an independent project. *Prerequisite:* Psychology 121, 122. *Four credit hours.*

238f 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.* BURCH

[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.* AVERNA

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.* ESTOW

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.* AVERNA

255f Child Development Principles of psychological development from conception through preadolescence, from a biological, sociocultural, and psychodynamic perspective. *Prerequisite:* Psychology 121, 122. *Four credit hours.* AVERNA

256s 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.* RAAG

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 Program in Education and Human Development. Cannot be counted toward the psychology major or minor. *Prerequisite:* Sophomore standing or above. *Four credit hours.* 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 separate laboratory. *Prerequisite:* Psychology 121, 122. *Four credit hours.* ATKINS

[274] Applied Psychology A survey of nonclinical applications of psychology, including as possibilities such content areas as consumer behavior, advertising, and the impact of mass media on behavior, forensic, environmental, and medical psychology. *Prerequisite:* Psychology 121, 122. *Four credit hours.*

298s Psychology of Sex and Gender An examination of psychological research and theory on topics in sex and gender. Topics to be covered will be drawn from empirical psychological literature on sex and gender, including historical perspectives on sex and gender, sexuality, gender roles, gender identity, social behaviors, stereotypes, cognition, and the relationship between gender and culture. Not open to students with credit for Psychology 136. *Four credit hours.* ESTOW

[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.*

[332] Seminar in Judgment and Decision Making An exploration of antecedents and consequences of human judgment and decision making. Topics include decisional regret, counterfactual thinking, statistical heuristics, perceptions of personal and public risk, overconfidence in prediction, escalation of commitment, motivated reasoning, negotiation strategies, and methods of improving reasoning. Special emphasis will be placed on applications of research to such topics as stereotypes, superstitious and supernatural beliefs, health and medicine, legal decision making, sports, and interpersonal relationships. Comfort with algebra recommended. *Prerequisite:* Psychology 214 and 253. *Four credit hours.*

333s Seminar on Hormones and Behavior The endocrine bases for human behavior, as well as some comparative animal models. Topics include an overview of the endocrine system, neuroendocrine and endocrine principles and their role in differentiation, development, and behavior, and current issues including reproduction, parental responsiveness and investment, aging, mood and emotion, psychiatric disorders, pheromonal communication, and aggression. *Prerequisite:* Psychology 233. *Four credit hours.* BURCH

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] The Psychology of Death and Dying Contemporary Western society has been described as "death phobic." This seminar will encourage students to approach, rather than avoid, death-related issues. Topics will include 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.*

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.* AVERNA

[356] Social Psychology Seminar 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. Enrollment limited. *Prerequisite:* Psychology 214, 253, and permission of the instructor. *Four credit hours.*

[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.*

[372] Neuroscience Seminar In-depth examination of current issues in physiological psychology and human neuropsychology. Topics may include hemispheric specialization, sex differences in the nervous system, neural substrates of learning and memory, physiological bases of behavior disorders, drugs and behavior, psychosurgery, and brain tissue transplants. Includes integration of animal experimental and human clinical data. *Prerequisite:* Psychology 233. *Four credit hours.*

[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.*

376s Seminar in Propaganda and Persuasion The 20th century might be called the Age of Propaganda. By governments, charities, churches, advertisers, politicians, hate groups, and business and environmental groups, and in newspapers, magazines, books, films, television, radio, the theater, and the arts, we are assaulted by a never-ending barrage of persuasive messages. An examination of the historical development of propaganda (since World War I, when mass media propaganda began), its techniques of psychological manipulation, and the impact of current propaganda efforts on ourselves and our society. *Prerequisite:* Psychology 232 or 237. *Four credit hours.* ROHRMAN

[378] 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. *Prerequisite:* Permission of the instructor; Psychology 239 strongly recommended. *Four credit hours.*

397f Seminar: The Psychology of Stereotypes, Prejudice, and Discrimination An examination of stereotypes, prejudice, and discrimination from a social psychological perspective. Discussion topics may include the evolutionary bases of these processes, the social cognition of stereotyping, gender versus racial stereotypes, the emotional effects of stigma, and applied solutions to inter-group conflict. *Prerequisite:* Psychology 214 and 253. *Four credit hours.* D. ESTOW

398s 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

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 3.5 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 3.5 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 Thomas Longstaff, Singh, and Debra Campbell; Assistant Professor Carleen Mandolfo

The study of religion in a college curriculum involves the historical and comparative scrutiny of the world's religious traditions: 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 pairs: Eastern religions (211, 212); history of Christianity (216, 236); 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 3.5 or higher in the major may apply during the junior year for admission to the honors program. 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 seven courses in religious studies, totaling at least 22 credit hours, including at least one from each of the following pairs: Eastern religions (211, 212); history of Christianity (216, 236); 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 or minor

<i>Anthropology</i>	329	Myth and Poetics
	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
	283	Jewish Biography and Autobiography
	313	Women in Medieval and Early Modern Europe
	317	The Gothic Moment: Paris and the Isle-de-France, 1100-1250
	382	Women in Modern Jewish History
	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*, *Gora*, *Cracking India*, *Mississippi Masala*, and *Four Quartets*. Four credit hours. L. D. SINGH

[118] Introduction to Archaeology A first course in the principles and practice of field archaeology, examining the theories and methods of modern, scientific excavation and the importance of proper recording techniques as well as the tools and technology that contribute to successful excavation. Reference to both classical (especially biblical) and new world archaeology will be made. Enrollment for four credits is limited and will involve excavation at a Colby site or other exercises designed to allow students to develop archaeological skills. *Three or four credit hours.*

[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.*

211f 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, and poetry. *Four credit hours.* **S, D.** SINGH

212s Religions of China and Japan An examination of Confucianism, Taoism, and Shinto—the indigenous religions of China and Japan; tracing the entrance of Buddhism into China and Japan 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, and the meditative experiences of Buddhism (haiku, swordsmanship, and the tea ceremony, etc.). *Four credit hours.* **S, D.** SINGH

216s Church History and Theology in Medieval Europe Listed as History 216 (q.v.) *Four credit hours.* **H.** TAYLOR

217f Religion in the U.S.A. A historical approach to religion in the United States from the colonial period to the present. The course will trace the evolution of the dominant Christian tradition, paying close attention to indigenous traditions, American Judaism, and the "new" religions of the past two centuries. It explores the relationship between American culture, including popular culture, and religious life and thought. *Four credit hours.* **H.** CAMPBELL

233f Introduction to Hebrew Scriptures An examination of the Law, prophets, and writings of the Hebrew bible as illuminators of the sociohistorical world of ancient Israel and as works of literature in their own right. Priority will be given to understanding the literature in a manner consistent with our knowledge of the culture that influenced the ancient authors, with secondary focus on modern interpretations (and misinterpretations). *Four credit hours.* **L.** MANDOLFO

234s Introduction to the Christian Scriptures Intended as a sequel to Religious Studies 233; an introduction to the specifically Christian scriptures (the Old Testament Apocrypha and the New Testament). Beginning with the intertestamental period, an exploration of the literature that reflects the background and earliest stages of the Christian movement. Attention is given to the historical and cultural context of the literature and to the development of early Christian theology and its significance for the contemporary world. *Four credit hours.* **L.** MANDOLFO

236f Christianity From the Reformation to the Present A historical approach to understanding Christianity from the Protestant and Catholic Reformations of the 16th century to the present. The expansion of Christianity through missionary and colonial enterprise in Asia, Africa, and the Western hemisphere; the ever-increasing diversity within Christianity from the 16th century onward; and Christian responses to the Enlightenment, democratic governments, feminism, institutionalized racism, the Holocaust, fascism and 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

[254] 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. *Four credit hours.* **S, D.**

[256] 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. *Four credit hours.* **L.**

257f 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.** CAMPBELL

259s Catholics An examination of the history and culture of the Catholic Church during the past century with special emphasis upon the recent past: Vatican II, the emergence of Third World liberation theologies, and the evolution of Catholic teachings on sexuality, nuclear weapons, economic affairs, technological change, 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 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. *Four credit hours.* MANDOLFO

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. 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:* Religious Studies 215. *Four credit hours.*

317f Sikhism: Scripture, Sacred Music, and Art The Guru Granth Sahib, the Sikh bible, forms the focal point for the literature of the Sikhs as well as other aspects of their culture and values. The seminar will outline its artistic and metaphysical dimensions, including the reasons why it is considered a colossus in both Punjabi and world literature. *Prerequisite:* Religious Studies 211 or 212. *Four credit hours.* S, D. SINGH

[318] Seminar: Mary Daly An examination of the theological, spiritual, and ideological development of the radical feminist Mary Daly evident in her major works from *The Church and the Second Sex* (1968) to the present day. Special attention to Daly's controversial use of language and the various ways in which theologians and feminists have reacted to and been influenced by her work during her eventful and highly publicized career. *Prerequisite:* One of the following: Religious Studies 215, 217, 257; Women's Studies 211. *Four credit hours.*

[332] 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:* Religious Studies 215 or 217. *Four credit hours.*

334s 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.* CAMPBELL

[355] The Goddess: A Hermeneutics in Thealogy 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.

356s 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. GILKES

[393] Seminar: Judaism, Ancient and Modern The evolution of Judaism from biblical times to the modern period. Against the backdrop of Jewish history and the evolution of tradition from TaNaK to Mishnah to Talmud and beyond, praxis will be emphasized. Sabbath observance, daily prayer, the rules of kashrut and other acts of devotion (practiced both at home and in the synagogue), the Jewish calendar (examining the annual cycle of feasts and fasts), and ceremonies that mark moments of life passage (including circumcision, bar/bat mitzvah, marriage, death and burial). *Four credit hours.* S, D.

397f Apocalyptic Visions in Biblical and Modern Media The mania that surrounded the year 2000 is rooted deeply in the religious history of both Judaism and Christianity. Apocalyptic thinking permeates our religious, political, and artistic culture, and while it has provided hope for countless oppressed over the millennia, it can also be the basis for a dangerous psychology of exclusion and violence. Starting with an assessment of the literary features of biblical apocalyptic, in both the Hebrew and Christian Scriptures, the development of apocalypse from Jewish Messianism to Christian notions of resurrection, the Second Coming, and the "end of the world," and how these visions are played out in art, literature, and film. "Many of those that sleep in the dust will awake, some to eternal life, others to shame and everlasting contempt!" (Daniel 12:2). *Prerequisite:* Religious Studies 233 or 234 is recommended. *Four credit hours.* MANDOLFO

398s Deicide vs Ditheism: Jewish/Christian Dialogue Through the Millennia "God killer!" (deicide) is illustrative of the sensational and emotionally fraught accusations leveled by Christians against Jews for centuries and is a direct result of the early Church's decision to deify Jesus, a judgment that led to the accusation by Jews of Christian blasphemy (ditheism). The history of the relationship between Christians and Jews from its roots in the New Testament and the early church (which was initially considered a Jewish sect) through the Middle Ages, to the Holocaust and the Church's involvement (or lack of) in the tragedy, to the current Vatican moves toward reconciliation under Pope John Paul II. *Four credit hours.* MANDOLFO

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 3.5 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

[493] Senior Seminar A culminating seminar required for senior religious studies majors and minors. *One credit hour.*

Russian

In the Department of German and Russian.

Chair, ASSOCIATE PROFESSOR URSULA REIDEL-SCHREWE (GERMAN)

Associate Professors Sheila McCarthy and Julie de Sherbinin; Teaching Assistant Sofia Bausheva

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 the variety of high-quality 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.

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 (in English).

(2) History 227 and 228.

(3) A seminar in Russian literature (Russian 426, 428) or Russian history (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 are strongly encouraged to broaden their study through related courses in other departments, particularly courses in the History Department, such as History 112, 227, 228, 447, and in the Government Department, such as Government 131, 151, 258, 272, 332, 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. Estimated cost: \$2,000. *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. Estimated cost: \$2,000. *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.* DE SHERBININ

125Jj 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. Estimated cost: \$2,000. *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.* MCCARTHY

[174] 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.

[177] Russia's Greatest Writers An introduction to some of the world's most influential authors: Dostoevsky, Tolstoy, Chekhov, and others. Discussion format; occasional lectures on Russian intellectual history; emphasis on improved writing and speaking skills. Conducted in English; no knowledge of Russian required. *Four credit hours.* L.

231j War and Peace (in Translation) Topics, which change every year, may cover an author, a work, a genre, or a theme central to Russian literature of the 19th century. January 2003: *War and Peace*, Lev Tolstoy's epic study of Russia and Napoleon's invasion. Close examination of the text and viewing of the classic Soviet film version. Conducted in English; no knowledge of Russian required. *Three credit hours.* L. MCCARTHY

[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.

[237] 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.

238f 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. DE SHERBININ

271s 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. DE SHERBININ

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.* MCCARTHY

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.* DE SHERBININ

335fs Conversation Group An informal weekly small-group meeting for conversation practice in Russian. Topics include autobiography, education, leisure time activities, travel, stores and purchases, film, TV, and newspaper excerpts for discussion. Conducted entirely in Russian. May be repeated for credit. Nongraded. *Prerequisite:* Russian 127 or equivalent. *One credit hour.* BAUSHEVA

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

371j Language and Culture A three-week intensive course in St. Petersburg, Russia. Class sessions include phonetics, continuing work on selected grammar topics, and discussion of literary and historical readings. The course includes theater and concert evenings, tours of historical sites, and residence with a Russian family. Conducted entirely in Russian. *Prerequisite:* Russian 127 or equivalent. *Three credit hours.* INSTRUCTOR

425f Madness in Russian Literature Lectures, readings, and discussion of representative Russian short stories from the 19th and 20th centuries; weekly compositions in Russian, continued work in fine points of Russian grammar, audiovisual materials. Fall 2002: Madness in Russian Literature. Conducted entirely in Russian. *Prerequisite:* Russian 326. *Four credit hours.* L. DE SHERBININ

[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.*

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. MCCARTHY

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 JAMES FLEMING

ADVISORY COMMITTEE: *Professors Murray Campbell (Physics and Astronomy), F. Russell Cole (Biology), Clare Congdon (Computer Science), Frank Fekete (Biology), Fleming (Science, Technology, and Society), Jonathan Hallstrom (Music), Homer Hayslett (Mathematics), Randolph Jones (Computer Science), Paul Josephson (History), Jeffrey Kasser (Philosophy), Thomas Longstaff (Religious Studies), Robert McArthur (Philosophy), Leonard Reich (Administrative Science and Science, Technology, and Society), Dale Skrien (Mathematics and Computer Science), Jennifer Shosa (Geology), Ted Underwood (English)*

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 Science, Technology, and Society 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.

Science, Technology, and Society (STS) requires no special technical expertise. Students from all backgrounds are welcome to elect the STS minor (seven courses) or propose an independent major in STS (13 courses). Guidelines for the independent major may be found on the Web at www.colby.edu/sci.tech/stsmajor.htm.

Requirements for the Minor in Science, Technology, and Society

All three of the following:

- 112 Science, Technology, and Society
- 485 The Craft of Research I
- 486 The Craft of Research II

Two or more of the following:

- | | | |
|---|----------------|---|
| <i>Science, Technology,
and Society</i> | 212 | Native Natural Knowledge |
| | 215 | Global Change: Environmental Science and Society |
| | 250 | Industry, Technology, and Society, 1750-1915 |
| | 251 | Industry, Technology, and Society Since 1900 |
| | 271 | History of Science in America |
| | 273 | Apocalypse Now: Science, Technology, and the Millennium |
| | 281 | Global Environmental History |
| | 298 | The Biography of Oil |
| | 393 | Technology, War, and Society |
| | <i>History</i> | 244 | Changing Notions of Progress |
| 445 | | Nuclear Madness |
| 497 | | Science, Government, and Culture |

Up to two of the following:

- | | | |
|---------------------|-----|--|
| <i>Anthropology</i> | 252 | Hunger, Poverty, and Population: The Anthropology of Development |
| | 256 | Land, Food, Culture, and Power |
| <i>Biology</i> | 115 | Biology of Women |
| | 133 | Microorganisms and Society |
| | 134 | Darwin on Trial |
| | 271 | Introduction to Ecology |
| | 397 | Problems in Environmental Science |
| <i>Chemistry</i> | 493 | Problems in Environmental Science |
| | 112 | Chemistry for Citizens |
| | 118 | Chemistry of Life |
| | 217 | Environmental Chemistry |

<i>Computer Science</i>	113	Great Ideas in Computer Science
	232	Computer Organization
	353	Artificial Intelligence
<i>Economics</i>	231	Environmental and Natural Resource Economics
<i>Environmental Studies</i>	118	Environment and Society
	235	Sustainable Development
	319	Conservation Biology
<i>Geology</i>	131	Introduction to Environmental Geology
<i>History</i>	295	Internship in History (where appropriate)
	446	Historical Epidemiology
	481	Ecological Change in World History
	497	Science, Government, and Culture
<i>Mathematics</i>	376	History of Mathematics
<i>Music</i>	213	Introduction to Computer Music
<i>Philosophy</i>	212	Philosophy and Technology
	317	Philosophy of Science
<i>Physics</i>	111	From Galileo to Einstein
	113	The Elements
	115	The Shadow of the Bomb
	116	Chaos and Complexity
	197	Environmental Physics
	254	Essential Electronics
<i>Psychology</i>	197	Virtual Reality
	233	Physiological Psychology
	374	Human Neuropsychology
	477	History and Systems of Psychology
<i>Sociology</i>	356	Health and Illness

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

118s Environment and Society Listed as Environmental Studies 118 (q.v.). *Four credit hours.* TIETENBERG

[212] 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.

[215] Global Change: Environmental Science and Society A comprehensive introduction to the science of global change and its social dimensions. Topics include the composition, structure, and circulation of the Earth's atmosphere and oceans; air pollution, ozone depletion, El Niño, and climate change. Offered with Biology 298 as an integrated cluster; may be elected separately. *Four credit hours.* N.

244j Changing Notions of Progress Listed as History 244 (q.v.). *Three credit hours.* H. JOSEPHSON

[250] Industry, Technology, and Society, 1750-1915 An examination of the processes by which rapid technological developments took place in America, including the stimuli and constraints on inventors, engineers, entrepreneurs, and corporations; attempts by government

to control technology; and the impact that evolving technology and industry had on social values. Also listed as Administrative Science 250. *Four credit hours.* H.

251f Industry, Technology, and Society Since 1900 An examination of developments in American technology and industry during the course of this century. Major topics include the rise of the auto, electrical, computer, and communications industries; the importance of research, development, and marketing to the growth and diversification of the economy; environmental and agricultural issues; and atomic energy. Also listed as Administrative Science 251. *Four credit hours.* H. REICH

[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.

273f 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.* FLEMING

[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.

298s The Biography of Oil 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.* REICH

393s 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

485f The Craft of Research I Readings and seminar discussions to prepare students for independent research. Students will identify a research topic, conduct a literature review, and write a formal proposal for a final integrative project. Open to all seniors. *Prerequisite:* Permission of the instructor. *Three credit hours.* FLEMING

486s The Craft of Research II 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. *Three 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

497f Science, Government, and Culture Listed as History 497 (q.v.). *Four credit hours.* JOSEPHSON

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 TERRY ARENDELL

Professors Thomas Morrione, Arendell, and Cheryl Townsend Gilkes; Assistant Professors Alec Campbell and John Talbot

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, 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

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 and 271 are to be taken during the sophomore year, and 272 and 318 during the third year. All four courses—215, 271, 272, and 318—are to be completed before the senior year; exceptions must be sought through petition to the department and will be discouraged. Beginning with the Class of 2006: 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 and 271 are to be taken during the sophomore year, 272 and 318 during the third year. All four courses—215, 271, 272, and 318—are to be completed before the senior year; exceptions must be sought through petition to the department and will be discouraged.

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 (required courses in the major are scheduled for fall of the junior year), *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 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 during the first two weeks of the fall semester. In addition to securing a faculty sponsor and department approval, students 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 program involves independent research conducted under the auspices of Sociology 483. Honors normally will be taken as a four-credit course, and the final product will be a research paper of between 40 and 50 pages of superior quality.

Note: All courses offered by the Sociology Department fulfill the area requirement in social sciences (**S**); Sociology 272 fulfills a quantitative reasoning requirement (**Q**). Courses that also fulfill the diversity requirement include the **D** designation. Sociology courses have limited enrollments.

Course Offerings

131s 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.** ARENDELL, MORRIONE

134f 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. This course is a modification of Sociology 131 and will fulfill any course's prerequisite specifying that course. *Four credit hours.* **S, D.** TALBOT

135f 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.** CAMPBELL

[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, social structure, 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. This course is a modification of Sociology 131 and will fulfill any course's prerequisite specifying that course. *Four credit hours.* **S, D.**

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:* Sociology 131 or 134 or 136. *Four credit hours.* MORRIONE

231f 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. GILKES

233s Crime and Justice in American Society The course explores 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

[235] 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:* Sociology 131 or 134 or 136. *Four credit hours.*

251j 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: Sociology 131, 134, 135, 136, Anthropology 112, Environmental Studies 118, Government 131. *Three credit hours.* D. TALBOT

252f Race, Ethnicity, and Society Comparative perspectives on topics that include the meanings of race and ethnicity in the United States, ethnic community experiences, racism, prejudice and discrimination, and preferential treatment in the shaping of ethnic identities as it has applied to immigration, citizenship, government programs, and educational opportunities. An examination of the roles of race and ethnicity in organizing complex, stratified societies and in organizing communities and enclaves within those societies, utilizing multiple sociological perspectives on race, ethnicity, minority groups, institutional racism, and inequality. Special attention is paid to the United States in sociohistorical perspective, particularly with reference to the roles of conquest, slavery, immigration, and internal migration. The importance of race and ethnicity in social movements, social conflicts, social policy, and law is also examined. *Prerequisite:* Sociology 131 or 134 or 136. *Four credit hours.* D. GILKES

271s Introduction to Sociological Research Methods Introduction to a variety of research methods employed by sociologists. Topics include problem definition, the logic of inquiry, the relation between theory and research, research design, sampling, and techniques for data collection and analysis. *Prerequisite:* Sociology 131 or 134 or 136. *Four credit hours.* CAMPBELL

[272] Advanced Sociological Research Methods Use of quantitative methods of data collection and analysis; manipulation of quantitative data using the computer, basic statistical analysis, interpretation of statistical results, and integration of empirical findings into sociological theory. *Prerequisite:* Sociology 131 or 134 or 136, and 271. *Four credit hours.* Q.

[273] The Family 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:* Sociology 131 or 134 or 136. *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:* Sociology 131 or 134 or 136. *Four credit hours.* D. TALBOT

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: 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. ARENDELL

277f 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:* Sociology 131 or 134 or 136. *Four credit hours.* MORRIONE

278s 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. *Prerequisite:* One of the following courses: Sociology 131, 134, 136; Women's Studies 221, 275, 276. *Four credit hours.* S, D. ARENDELL

292f 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:* Sociology 131 or 134 or 136. *Four credit hours.* MORRIONE

[318] 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 post-modernists' criticism of modern social science. *Prerequisite:* Sociology 215. *Four credit hours.*

333f Globalization 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: Sociology 131, 134, 135, 136, Anthropology 112, Environmental Studies 118, Government 131. *Four credit hours.* **D.** TALBOT

[334] Social Deviance A seminar examining changing definitions of social deviance and evaluating the "adequacy" of a variety of theories of deviant behavior. Readings and discussions emphasize contemporary perspectives. Postmodernists' criticisms of traditional views of deviance also receive attention. *Prerequisite:* Sociology 131 or 134 or 136. *Four credit hours.*

336s 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: Sociology 131, 134, 135, 136, Anthropology 112, Environmental Studies 118, Government 131. *Four credit hours.* **D.** TALBOT

337f 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:* Sociology 131 or 134 or 136. *Four credit hours.* **D.**

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:* One of the following: Sociology 131, 134, 135, 136, American Studies 271. *Four credit hours.* CAMPBELL

[354] Sociology and the American Race Problem A seminar combining intellectual history with critical analysis of theories on race, ethnicity, prejudice, discrimination, caste, and other concepts related to the history of the sociological study of "race relations." Special attention to sociologists and the civil rights movement and the impact of that and other social movements on sociological thought. *Prerequisite:* One of the following: Sociology 131, 134, 136, 214, 231, 252, 355 or 357 or American Studies 276. *Four credit hours.*

[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.

[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:* Sociology 131 or 134 or 136. *Four credit hours.* S.

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. GILKES

[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:* Sociology 131 or 134 or 136. *Four credit hours.* D.

398s Images of Self and Collective Identity The tragic events of September 11 prompted many to reflect on their values and identities. Does the fact that one lives in this society at this time influence how one sees oneself? Do you think of yourself as an American, as an ethnic-American? Ethnicity, class, place of residence, religion, gender, age, culture, sexual preference, occupation, community, and neighborhood all influence this definition. Do you understand how and why? An exploration of relationships between individual and collective identity, particularly as they affect personal definitions of national identity, nationalism, and patriotism, with emphasis on comparative analysis. *Prerequisite:* One of the following: Sociology 131, 134, 135, 136, Anthropology 112. *Four credit hours.* MORRIONE

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:* Senior standing and permission of the department. *Two to four credit hours.* FACULTY

493f Movements for Social Change in Contemporary 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 resource mobilization, frame alignment, and political process. *Prerequisite:* Senior standing, Sociology 215, 271, 272, and 318. *Four credit hours.* CAMPBELL

Spanish

Chair, ASSOCIATE PROFESSOR BETTY SASAKI

Professors Priscilla Doel and Jorge Olivares; Associate Professors Sasaki and Yvonne Sanavitis; Assistant Professors Gina Herrmann, Luis Millones-Figueroa, and Barbara Nelson; Instructor Marisela Funes; Visiting Instructor Maria Colbert; Teaching Assistant Cristina Anta Rodriguez; Faculty Fellow Meriwynn Grothe Mansori

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 a 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 231 and at least seven additional semester Spanish courses numbered above 131, including two courses at the 200 level or above on literature written before 1800 and two on literature after 1800 (of these four courses, two must be in Spanish literature and two in Spanish-American literature). All seniors must take a literature course at the 300 or 400 level each semester. 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 2.7 is required for permission to study abroad. All study abroad plans for students majoring in Spanish must be approved in advance by the chair of the Department of Spanish.

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) No more than the equivalent of four semester courses of foreign study or transfer credit may be counted toward the major.
- (5) All majors must take at least one course in Spanish approved by the major advisor each semester until graduation.

Honors in Spanish

Students majoring in Spanish may apply during the 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 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.* FUNES, MANSORI, NELSON

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.* FUNES, NELSON

127fs Intermediate Spanish I A grammar review at the intermediate level with continued emphasis on interactive communication and cultural awareness. *Prerequisite:* Spanish 126 or appropriate score on the College Board Spanish SAT-II test. *Four credit hours.* FACULTY

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.* SANAVITIS, SASAKI

131fs Conversation and Composition Language review with emphasis on oral expression, written composition, and vocabulary development. *Prerequisite:* Spanish 128. *Four credit hours.* DOEL, SANAVITIS

135fs Introduction to Literary Analysis Introduction to literary analysis through Spanish and Spanish-American texts. *Prerequisite:* Spanish 131. *Four credit hours.* L. FUNES, MILLONES

231fs Advanced Spanish A review of Spanish grammar at the advanced level. *Prerequisite:* Spanish 131. *Four credit hours.* SASAKI

233f 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. *Four credit hours.* MANSORI

[261] Spanish-American Literature I Spanish-American literature from the colonial period to 1888. *Four credit hours.* L.

[262] Spanish-American Literature II Spanish-American literature from 1888 to the present. *Four credit hours.* L.

271f 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. *Four credit hours.* L. 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. *Four credit hours.* L.

276f U.S. Latina/Chicana Women Writers An examination of a selection of novels, short stories, poetry, theater, and non-fiction 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 are in English. *Four credit hours.* SASAKI

298As Topics in Contemporary Spanish Film An introduction to the different regions, cultures, and peoples of Spain through the study of Spanish cinema from 1950 to the present, questioning the notion of a singular Spanish identity and examining how several generations of directors portray numerous versions and visions of Spanishness. Attention paid to cinematic trends and techniques as well as to issues of regional identity and self-definition, nationalism, and terrorism. *Four credit hours.* COLBERT

298Bs Foundational Fictions *Four credit hours.* FUNES

[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 non-traditional portrayals of women in what has been a particularly male-oriented culture. *Four credit hours.* L, D.

[351] **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. *Four credit hours.* L.

352s Don Quijote Analysis of Miguel de Cervantes's masterpiece. *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. Formerly listed as Spanish 397. *Four credit hours.* L.

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 3.5 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 Senior Seminar: Feminine Fictions A study of the representation of women in realist and naturalist fiction written by both male and female authors of late 19th-century Spain, taking into account the historical context of the period and considering the effects of the consumer revolution, advertising, and techniques of display and spectacle on perspectives on the feminine body. Analysis also of rural versus urban frameworks and how they shape women's roles, restrictions, and self-definitions. *Four credit hours.* COLBERT

493Bs Senior Seminar: The Colonial Andean World From the capture of Atahualpa, the last Inca ruler, to the rebellion of Tupac Amaru II against Spanish authority, an analysis of texts and images that show the multiple aspects of colonial conflict and life among Europeans and Amerindians in the Andes, emphasizing the strategies to convert and control the Amerindian body as well as the Spanish and native questioning of colonial ideology. *Four credit hours.* MILLONES

Theater and Dance

Chair, ASSOCIATE PROFESSOR JOYLYNN WING

Adjunct Professor Tina Wentzel; Associate Professor Wing; Adjunct Associate Professor James Thurston; Assistant Professor Laura Chakravarty Box; Technical Director John Ervin; Visiting Guest Artist Tavia LaFollette

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.

To encourage the study of theater and dance abroad, Colby collaborates with Bates and Bowdoin colleges to offer the CBB Off-Campus Study Program in theater. This exceptional program, founded by Colby in 1986, provides an important opportunity for Colby students to experience and study theater with British professionals. The Theater and Dance faculty strongly encourages majors, minors, and interested non-majors to participate in this unique and richly rewarding semester abroad.

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, 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 specialized workshops (e.g., "Audition Techniques") and 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, lighting, and costume methodologies or a condensed two-week opportunity in lighting or sound operations. (Lighting/sound lab requires permission of the instructor.) *Four credit hours.* **A.** ERVIN

[131] Theater Production Go behind the scenes to reveal secrets about the "magic" of theater. Explore scene construction, painting, and lighting production methods hands-on, using first-rate equipment. Create and run an actual show. Study and engineer a theoretical show. No prior experience is required. The production will be in early February. *Three credit hours.* **A.**

135f 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

224f 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. BOX

226s Performance History II: Popular Secular Theater and Performance History 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

[228] Performance History III: Elite, Intellectual, and Political Theater and Performance History 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 intellectual history of societies. *Prerequisite:* Theater and Dance 113. *Four credit hours.* L.

[235] Intermediate Design Further exploration of the role of visual design in the dramatic event. Textual analysis, research, and conceptual design solutions focus on an integrated design philosophy (scenery, costumes, and lights). Drawing, rendering, drafting, scenic modeling and computer-aided design become the means for design expression in this intensive course. *Prerequisite:* Theater and Dance 135. *Four credit hours.* A.

255f 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 *for colored girls who have considered suicide when the rainbow is enuf* An American classic by Ntozake Shange, this groundbreaking "choreopoem" celebrates the lives of women of color. In language that flashes with wit, passion, and simple truth we hear, from the mouths of seven women, monologues of oppression and transcendence. Rehearses fall semester and performs mid-October. This will also be an American College Theater Festival (ACTF) entry. *Prerequisite:* Auditions to be held September 4,5. *Four credit hours.* A. WING

264Bf *Iphigenia at Aulis* What moves families, societies, and governments to sacrifice their children for a cause? Belfast playwright Colin Teevan's radical re-visioning of Euripides's tragedy unwinds intersecting cycles of national and domestic violence. Special attention given to the historical and stylistic context of the play. *Prerequisite:* Auditions to be held September 4,5. *Four credit hours.* A. BOX

264Cs Colby Dance Theater Repertory company of student dancers who perform the work of professional and student choreographers in concert format. Class combines advanced-level modern dance technique and company rehearsals. *Prerequisite:* Auditions held during fall semester. *Four credit hours.* A. WENTZEL

264Ds Faust: A Masked Telling An exploration of the infamous legend of the man who sold his soul to the devil, examining its different interpretations throughout history while hinting at its relevance to our world today. The production uses large papier-mâché puppets and Commedia Del Arte-style masks that help paint such charismatic characters as The Seven Deadly Sins, Mephistopheles, Helen of Troy, The Pope, Lucifer, and the Clown. *Prerequisite:* Auditions held at the beginning of spring semester. *Four credit hours.* A. INSTRUCTOR

271s Acting II: Intermediate Acting 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

[326] Topics in Theater and Dance History Advanced study of the history of theater and dance. Topics will vary from semester to semester and focus on the theoretical and historical context of dramatic works and the dance event. *Prerequisite:* Theater and Dance 113. *Four credit hours.*

335f Topics in Design Advanced studies in design and technical production. Emphasis is placed 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.* THURSTON

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

349Bs Contemporary American Playwrights Topics in dramatic literature. Spring 2003: Contemporary American Playwrights. Careful consideration of the range of perspectives currently available in the American theater, beginning with the experimental theater groups and texts of the mid-'60s. Close analysis of the theatrical as well as the dramatic techniques of playwrights such as Ntozake Shange, Sam Shepard, Tina Howe, David Mamet, David Henry Hwang, and Suzan-Lori Parks. *Four credit hours.* WING

359j 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.* WENTZEL

361s Grassroots Theater: Survival in Maine By interviewing different members of a community, students will learn about the community's history, folklore, heroes, villains, ghost stories, and urban myths that go back as far as there is someone to tell the story. Through research, transcriptions, and improvisations of stories, a script based on the theme of survival will be built and presented to the community. *Prerequisite:* Theater and Dance 271. *Four credit hours.* LAFOLLETTE

379s Directing The techniques of staging drama: seeking out and projecting the ideas and passions contained in a script (or imposed upon it), and devising the strategies for organizing and facilitating the creative process commonly used in current theater. One-day workshop with a guest professional stage manager is mandatory. Requires time outside of

class for preparation and rehearsal. *Prerequisite:* Theater and Dance 113. *Four credit hours.* BOX

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.* FACULTY

Women's Studies

Director, ASSOCIATE PROFESSOR LYN MIKEL BROWN

APPOINTMENTS IN WOMEN'S STUDIES: *Associate Professor Brown; Assistant Professor Pamela Thoma*

PROGRAM FACULTY FOR WOMEN'S STUDIES: *Terry Arendell (Sociology), Debra Barbezat (Economics), Karen Barnhardt (Education), Kimberly Besio (East Asian Studies), Laura Chaekravarty Box (Theater and Dance), Betsy Brown (College Relations and Biology), Brown (Education and Women's 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 (Development and American Studies), Jill Gordon (Philosophy), Paul Josephson (History), Elizabeth Leonard (History), Eva Linfield (Music), Howard Lupovitch (History), Phyllis Mannocchi (English), Margaret McFadden (American Studies), Mary Beth Mills (Anthropology), Jane Moss (French), Elisa Narin van Court (English), 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), Thoma (American Studies and Women's Studies), Andrea Tilden (Biology), and Joylynn Wing (Theater and Dance)*

Colby's Women's Studies Program is a progressive interdisciplinary program designed to acquaint students with scholarship on women, gender, sexuality, and feminist theory. Women's studies courses typically explore race, class, and sexuality differences among women and examine the way gender is culturally constructed by comparing multiple, overlapping, and discrete oppressions; equip students to analyze critically systematic constraints on women's lives; and explore women's historical and cultural contributions as well as their psychology and biology. In addition to the core women's studies courses, faculty across the College offer a wealth of courses in the humanities, social sciences, and natural sciences that are cross-listed with women's studies.

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 women's studies 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 women's studies. Descriptions for courses cross-listed with women's studies are listed under the various departments.

Requirements for the Major in Women's Studies

Thirteen courses including Women's Studies 113, 197, 221, or 275; 311; 493; and nine additional courses designated as women's studies courses or courses cross-listed under women's studies, 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 are also 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 women's studies Web site 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 studies, majors are *required* to undertake a field experience or internship related to women's studies. Majors may also 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 women's studies topics. Students may count toward fulfillment of the major requirements either one independent study (Women's Studies 491, 492) *or* two semesters of honors work (Women's Studies 483, 484) *or* Senior Scholars work up to the equivalent of two courses (if approved by women's studies).

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 Studies

Seniors majoring in women's studies may apply to the Women's Studies Coordinating Committee (WSCC) for the honors program by April 15 of their junior year. A 3.5 major average at the end of the junior year is a condition for entry into the program. A 3.5 major average at the end of the senior year, a public oral presentation of the project, and approval of the WSCC are conditions for successful completion.

Requirements for the Minor in Women's Studies

A minimum of seven courses in at least two departments, to include Women's Studies 113, 197, 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 Studies 491 or 492) *or* Senior Scholars work up to the equivalent of two courses (if approved by women's studies) *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 Cross-listed with Women's Studies:

<i>American Studies</i>	115	The Image of Women and Men in American Film
	275	Gender and Popular Culture
<i>Anthropology</i>	254	Women in the African Diaspora
	373	The Anthropology of Gender and Sexuality
<i>Biology</i>	115	Biology of Women
<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>	332	Women, Girls, and the Culture of Education
<i>English</i>	312	Desire and Autonomy in Medieval Women's Writing
	343	African-American 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
<i>French</i>	429	Passionate Expression: Love, Sex, and Sexuality in Western Literature
	493	Seminar (when appropriate)
	351	French-Canadian Literature and Society
<i>History</i>	353	Francophone Women Writers
	358	Passionate Discontent: The 19th-Century Epidemic
	231	American Women's History, to 1870
	232	American Women's History, 1870 to the Present
	273	History of Women, Gender, and Family in Latin America

	298	History of Women and Gender in Latin America
	313	Women in Medieval and Early Modern Europe
	340	Seminar: Biographies and Autobiographies of Great American Women
	382	Women in Modern Jewish History
	397	Science, Race, and Gender
	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>Latin American Studies</i>	298	Third World Feminisms
<i>Music</i>	255	Music, Sexuality, and Gender in Opera
<i>Philosophy</i>	155	Feminist Philosophies
	312	Philosophical Topics in Feminist Theory
<i>Psychology</i>	136	Topics in Sex and Gender
	298	Psychology of Sexual Gender
	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
<i>Sociology</i>	273	The Family
	276	Sociology of Gender
	278	Sociology of Sexualities
	355	African-American Women and Social Change
<i>Spanish</i>	276	U.S. Latina/Chicana Women Writers
	334	Women in Hispanic Texts
	493	Seminar: Feminine Fictions
<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.*

113f 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.** MOSS

197f Introduction to Women's Studies A theory-based introduction to the interdisciplinary field of women's studies, shifting back and forth between different perspectives or "lenses" to ascertain the realities of gendered lives in historical and transnational contexts. *Four credit hours.* **S, D.** BLAKE

[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.**

221s 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.** CALHOUN

[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.**

[276] Sociology of Gender Listed as Sociology 276 (q.v.). *Four credit hours.* **S, D.**

298s Third World Feminisms Listed as Latin American Studies 298B (q.v.). *Four credit hours.* **D.** FINNEGAN

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.** THOMA

[312] Philosophical Topics in Feminist Theory Listed as Philosophy 312 (q.v.). *Four credit hours.* **S, D.**

315f 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. 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 Studies Program. *Three or four credit hours.* FACULTY

491f, 492s Independent Study Individual study of special problems in women's studies in areas where the student has demonstrated the interest and competence necessary for independent work. The instructor must be one of the program faculty members in women's studies. *Prerequisite:* Women's studies major or minor, permission of the instructor, and approval of the Women's Studies Program. *Three or four credit hours.* FACULTY

493s Women's Studies Senior Seminar An intensive research seminar on the intersections of the methods of feminist research and transnational feminist activism. Students collectively study feminist methods and methodologies; consider three examples of locally situated feminist research that is informed by comparative cultural analysis and women's cross-border alliances; and engage in an independent scholarly project of their choice. Attention is given to feminist scholarship's contributions to disciplinary paradigms as well as its attempts to be "discipline free" and anti-imperialist in the production of knowledge. *Four credit hours.* D. THOMA

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The Corporation 2002-2003

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- LAWRENCE C. McQUADE, M.A. '81, B.A., LL.B., 1981-1989
- PAUL A. NUSSBAUM, M.A. '98, B.A., 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
- DOUGLAS M. SCHAIR '67, M.A. '94, M.B.A., 1994-2002
- 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, B.A., 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, B.A., 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

Overseers

HAROLD ALFOND, L.H.D. '80, Belgrade Lakes, Maine, *Retired Chairman of the Board, Dexter Corp.* (Life Overseer)

CHARLES M. ALLEN '91, M.B.A., J.D., New York, New York, *Vice President and Director, Allen and Company, Inc.* (2005), Visiting Committee on Career Services

TODGER ANDERSON '67, M.B.A., Englewood, Colorado, *President, Denver Investment Advisors, Inc.* (2005), Visiting Committees on Career Services and on Health Services

VIRGINIA COATES BARRETT '69, Stuart, Florida (2004), Visiting Committees on German and Russian, on French, and on Education and Human Development

LAZAR BIRENBAUM, B.S., P'00, P'05, Saratoga, California, *Senior Vice President, General Manager, Cisco Systems* (2003), Visiting Committees on Information Technology and on Computer Science

RICHARD H. CAMPBELL '58, York, Maine, *President/Corporate Director, Seacoast Consulting; Retired Vice President, Textron Corporation* (2003)

PETER C. CLARK '75, New Boston, New Hampshire, *Private Investments* (2005), Visiting Committees on Sociology and on American Studies

ADRIENNE B. CLAY '97, New York, New York, *Doctoral Candidate, Columbia University* (2005)

BROOKE D. COLEMAN '92, M.S., Salem, Massachusetts, *Resident Director, Salem State College* (2006), Visiting Committees on Sociology and on African-American Studies

ELIZABETH CORYDON-APICELLA '74, M.P.S., Berkeley Heights, New Jersey, *Consultant, Learning and Development Consultant* (2005)

JAMES E. COWIE '77, M.B.A., Kenilworth, Illinois, *Managing Partner, Frontenac Company* (2006)

JOEL E. CUTLER '81, J.D., Boston, Massachusetts, *CEO, General Catalyst* (2004), Visiting Committee on International Studies

CHRISTOPHER A. FEISS '85, Baltimore, Maryland, *Vice President, Alex.Brown Investment Management* (2006)

LAWRENCE K. FLEISCHMAN '75, M.B.A., Dix Hills, New York, *President/Investment Banker, Capital Vision Group, Inc.* (2004), Visiting Committees on Information Technology, on Mathematics, and on Dining Services

PATRICIA ORR FROST '59, M.S., Miami Beach, Florida, *Vice Chair, Smithsonian Institution; Retired Principal, Henry S. West Laboratory School* (2006)

DIANA J. FUSS '82, M.A., Ph.D., New York, New York, *Associate Professor of English, Princeton University* (2005)

R. DAVID GENOVESE IV '89, M.B.A., Darien, Connecticut, *Principal, Baywater Properties, L.L.C.* (2003), Visiting Committee on Economics

CHERYL BOOKER GORMAN '74, M.A., Westwood, Massachusetts, *Senior Vice President of Retail Banking, Brookline Savings Bank* (2003), Visiting Committees on Biology, on French, and on Psychology

TODD W. HALLORAN '84, M.B.A., Darien, Connecticut, *Partner, Freeman Spogli & Co.* (2006)

TIMOTHY B. HUSSEY '78, M.B.A., Kennebunk, Maine, *Chief Executive Officer, Hussey Seating Company* (2005), Visiting Committees on English and Creative Writing, on Religious Studies, and on Philosophy

RICK N. JOHNSON, B.A., Leawood, Kansas, *President, Americraft Carton* (2005)

PETER G. JORDAN '80, M.S., Brooklyn, New York, *VP/Dean of Enrollment Management and Student Development, City University of New York, LaGuardia Community College* (2006)

KENDRA A. KING '94, Ph.D., Athens, Georgia, *Department of Political Science, University of Georgia* (2006), Visiting Committee on Religious Studies

STEPHEN R. LANGLOIS '85, M.B.A., South Hamilton, Massachusetts, *Senior Vice President, FleetBoston Financial* (2005)

SETH W. LAWRY, B.A., M.B.A., Weston, Massachusetts, *Managing Director, Thomas H. Lee Company* (2006)

PETER H. LUNDER '56, D.F.A. '98, Waterville, Maine, *President, Dexter Shoe Company* (Life Overseer)

DEBORAH MARSON '75, J.D., Newton Centre, Massachusetts, *Deputy General Counsel, Gillette Company* (2004), Visiting Committees on Off-Campus Study and on Women's Studies

SUSAN RYEL METTLER '71, Lake Forest, Illinois (2003), Visiting Committees on Government and on Physical Plant

PATRICIA DAVIS MURPHY '68, Sc.D. '99, M.S., M.A., Ph.D., Slingerlands, New York, *President and CEO, GeneWISE* (2003), Visiting Committee on Chemistry

SUSAN JACOBSON NESTER '88, Bowie, Maryland, *Director, Broadcast Media, Independent Insurance Agents and Brokers of America* (2005), Visiting Committees on Communications, on French, and on Dining Services

PAUL S. OSTROVE '53, Roslyn, New York, *Vice President, Paul Stuart, Inc.* (2003), Visiting Committee on History

KRISTIAN K. PARKER '94, Ph.D., Honolulu, Hawaii (2004), Visiting Committee on Biology

M. JANE POWERS '86, M.S.W., Medford, Massachusetts, *Director of Day Treatment Program, St. Ann's Home* (2006), Visiting Committees on Sociology and on Women's Studies

THOMAS R. RIPPON '68, J.D., White Springs, Pennsylvania, *Executive Lawyer, T.R. Rippon Associates* (2003), Visiting Committees on East Asian Studies and on Theater and Dance

CLAUDIA CARUSO ROUHANA '71, Sands Point, New York (2003), Visiting Committees on Music and on Classics

ROBERT A. RUDNICK '69, J.D., Bethesda, Maryland, *Partner, Shearman and Sterling* (2005)

JENNIFER ALFOND SEEMAN '92, Weston, Massachusetts (2006)

MOSES SILVERMAN '69, J.D., New York, New York, *Partner, Attorney, Paul, Weiss, Rifkind, Warton and Garrison* (2006)

PATRICIA VALAVANIS SMITH '80, M.S., Andover, Massachusetts, *Editor, International Data Group* (2003), Visiting Committee on Physical Education and Athletics

DAVID M. STEINBERG '83, M.B.A., San Francisco, California, *Managing Director, Deutsche Banc Alex.Brown* (2005)

MICHAEL S. SYLVESTER '63, M.B.A., New York, New York, *Chairman and CEO, Foam Seal, Inc.* (2005), Visiting Committee on Biology

GERALD S. TANENBAUM, B.A., J.D., New York, New York, *Partner, Cahill Gordon & Reindel* (2003), Visiting Committees on Government and on Physical Plant

CICELY FINLEY TAYLOR '94, Chicago, Illinois (2006), Visiting Committees on Music and on Spanish

DENNIS H-S. TING '60, Causeway Bay, Hong Kong, *Chairman, Kader Holdings Company Limited* (2003), Visiting Committee on International Studies

ALFRED TRAVERSI '74, M.B.A., Concord, Massachusetts, *President and CEO, AdvizeX Technologies, LLC* (2006), Visiting Committee on Economics

RICHARD Y. UCHIDA '79, J.D., Bow, New Hampshire, *Attorney, Hebert and Uchida, P.L.L.C.* (2006), Visiting Committees on East Asian Studies and on History

CHARLES O. WOOD, L.H.D. '96, B.S., Englewood, New Jersey, *Radio/Television Journalist, Host CBS News* (2005), Visiting Committee on Theater and Dance

JOSHUA C. WOODFORK '97, M.A., Adelphi, Maryland, *University of Maryland* (2006)

JONATHAN ZUHOVITZKY, B.A., P'98, New York, New York, *Partner/Investment Banker/Economist, First Capital Advisers, L.L.C.* (2005), Visiting Committees on German and Russian and on Classics

Overseers Visiting Committees 2001-2002

Biology: CHERYL BOOKER GORMAN '74; KRISTIAN K. PARKER '94; MICHAEL S. SYLVESTER '63; SUSAN SINGER, Carleton College, consultant.

German and Russian: VIRGINIA COATES BARRETT '69; JONATHAN ZUHOVITZKY; KAMA KSI MURTI, Middlebury College, consultant; FRANCOISE ROSSET, Wheaton College, consultant.

English and Creative Writing: TIMOTHY B. HUSSEY '78; ROBIN BEHN, University of Alabama, consultant; PETER SCHMIDT, Swarthmore College, consultant.

Career Services: CHARLES M. ALLEN '91; TODGER ANDERSON '67; LAURA DENBOW, Bucknell University, consultant; ROSALIND HOFA, Amherst College, consultant.

Alumni Council Executive Committee

LOU RICHARDSON '67, chair, president of the Alumni Association

FRANK A. WILSON '73, vice chair of the Alumni Council

JOHN B. DEVINE JR. '78, immediate past chair

MARGARET FELTON VIENS '77, executive secretary/treasurer

REBECCA L. BIRRELL '92, chair, Academic Affairs Committee

HOPE PALMER BRAMHALL '56, chair, Awards Committee

SHAWN P. CROWLEY '91, chair, Student Affairs Committee

HEATHER M. DAUR '00, chair, Clubs Committee

KARL DORNISH JR. '54, chair, Financial Affairs Committee

TODD W. HALLORAN '84, chair, Alumni Fund Committee

LINDA MITCHELL POTTER '66, chair, Admissions and Financial Aid Committee

WENDY KENNEDY RALPH '90, chair, Nominating Committee

ERIC F. ROLFSON '73, chair, Communications Committee

PATRICIA VALAVANIS SMITH '80, chair, Athletics Committee

PHILIP C. WYSOR '70, chair, Alumni on Campus Committee

Museum of Art Board of Governors

ALAN B. MIRKEN '51, New York, New York, chair; President, Aaron Publishing Group

W. MARK BRADY '78, New York, New York, vice chair; Owner, W.M. Brady & Company

BARBARA L. ALFOND, B.A., Weston, Massachusetts, Collector

JOAN ALFOND, B.A., Boston, Massachusetts, Executive Director, Concierge Services for Students, Ltd.

THEODORE B. ALFOND, B.A., Weston, Massachusetts, Collector

WILLIAM L. ALFOND '72, Boston, Massachusetts, Vice President, Dexter Shoe Company

ALEXANDRA ANDERSON-SPIVY, New York, New York, Freelance Writer and Curator

LEE SCRAFTON BUJOLD '64, Williston, Vermont, Antiques and Decorative Arts Dealer

JAY CANTOR, B.A., Woodstock, Connecticut, Affiliate of the Adelson Gallery

THOMAS COLVILLE, M.M.U., New Haven, Connecticut, Dealer, Thomas Colville Fine Art

LINDA JOHNSON CRAWFORD '64, Richmond, Virginia, Museum Docent

DAPHNE CUMMINGS, M.F.A., Brooklyn, New York, Artist and Donor

GABRIELLA DE FERRARI, M.A., New York, New York, Author, Collector, Art Critic

DAVID DRISKELL, D.F.A. '00, Falmouth, Maine, Artist, Author, Lecturer

HILARY ERVIN, Waterville, Maine, Artist, Museum Docent

JAMES A. FFRENCH '85, New York, New York, Director, Beauvais Carpets

HEATHER PAYSON HAMLIN '88, Portland, Maine, Museum Docent

INGRID HANZER, Los Angeles, California, Collector

GABRIELLA JEPPSON '93, New York, New York, The Kreisberg Group

ADA KATZ, M.S., New York, New York, Collector

ALEX KATZ, D.F.A. '84, New York, New York, Artist

PAULA CRANE LUNDER, M.A. '98, D.F.A. '98, Waterville, Maine, Museum Docent, Collector

PETER H. LUNDER '56, D.F.A. '98, Waterville, Maine, President, Dexter Shoe Company

NORMA MARIN, D.F.A., New York, New York, Collector

LEIGH A. MORSE '78, M.F.A., New York, New York, Director, Salander-O'Reilly Galleries

THOMAS B. SCHULHOF '69, J.D., New York, New York, President, Quadriga Art Company

PAUL J. SCHUPF, M.A. '91, Hamilton, New York, President, Paul J. Schupf Associates

JOHN E. SHORE '59, J.D., Cincinnati, Ohio, President, J.E. Shore Enterprises, Incorporated

ELAINE ZERVAS STAMAS '53, M.A. '92, Scarsdale, New York, Collector

STEPHEN STAMAS, Ph.D., Scarsdale, New York, Active Member of Museum Boards

SETH A. THAYER III '89, M.A., Northport, Maine, Art Consultant

WILLIAM G. TSIARAS '68, M.D., Barrington, Rhode Island, Surgeon-in-Chief, Rhode Island Hospital; Chairman, Department of Ophthalmology, Brown University

BARBARA STARR WOLF '50, Boston, Massachusetts, Director, Barbara Starr Wolf Cultural Promotions

Faculty 2001-2003

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

WILLIAM R. COTTER, M.A. '79, LL.D. '00, J.D., 1979-2000
Professor of Government, Emeritus; President, Emeritus

ROBERT E.L. STRIDER II, M.A. '57, Ph.D., Litt.D. '79, 1957-79
Professor of English, Emeritus; President, Emeritus

CHARLES W. BASSETT, M.A. '80, Ph.D., 1969-99
Lee Family Professor of American Studies and English, Emeritus

ROBERT MARK BENBOW, M.A. '62, Ph.D., 1950-90
Roberts Professor of English Literature, Emeritus

MIRIAM F. BENNETT, M.A. '73, Ph.D., 1973-93
William R. Kenan Jr. Professor of Biology, Emerita

CLIFFORD J. BERSCHNEIDER, M.A. '78, M.A., 1949-85
Professor of History, Emeritus

PATRICK BRANCACCIO, M.A. '79, Ph.D., 1963-2003
Zacamy Professor of English, Emeritus

DAVID G. BRIDGMAN, Ph.D., 1955-78
Associate Professor of History, Emeritus

JEAN D. BUNDY, M.A. '63, Ph.D., 1963-89
Dana Professor of French Literature, Emeritus

FRANCISCO A. CAUZ, M.A. '77, Ph.D., 1957-93
Professor of Spanish, Emeritus; Resident Director of Colby in Salamanca Program, Emeritus

FLORENCE LIBBEY CRAWFORD '29, M.S., 1948-71
Associate Professor of Library Science, Emerita

EILEEN M. CURRAN, M.A. '73, Ph.D., 1958-92
Professor of English, Emerita

JOHN M. DUDLEY, M.A. '86, Ph.D., 1964-92
Professor of Physics, Emeritus

SIDNEY W. FARR '55, M.A. '95, M.A., M.B.A., 1960-95
Professor, Emeritus; Alumni Secretary; Secretary of the Corporation

CHARLES A. FERGUSON, Ph.D., 1967-95
Associate Professor of French and Italian, Emeritus

GUY T. FILOSOF, M.A. '81, Ph.D., 1969-2001
Professor of French, Emeritus

FREDERICK A. GEIB, M.A. '75, Ph.D., 1955-91
Professor of Sociology, Emeritus

HENRY A. GEMERY, M.A. '77, Ph.D., 1961-2002
Pugh Family Professor of Economics, Emeritus

ADEL VERNA HEINRICH, A.Mus.D., 1964-88
Associate Professor of Music, Emerita; Director of Chapel Music, Emerita

HENRY HOLLAND, M.A. '66, Ph.D., 1952-88
Professor of Modern Languages (Spanish), Emeritus; Resident Director of Colby in Cuernavaca Program, Emeritus

YEAGER HUDSON, M.A. '77, Ph.D., 1959-99
Dana Professor of Philosophy, Emeritus

ROBERT H. KANY, Ph.D., February 1970-February 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., 1963-94
Professor of English and Performing Arts, Emeritus

DONALDSON KOONS, M.A. '51, Ph.D., 1947-82, January 1984, 1985, 1986, 1987, 1988
Dana Professor of Geology, Emeritus

HUBERT C. KUETER, Ph.D., 1965-97
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-December 1990
Professor of English, Emeritus

ALBERT A. MAVRINAC, M.A. '58, Ph.D., J.D., 1958-92
Dana Professor of Government, Emeritus

MARILYN SWEENEY MAVRINAC, Ph.D., 1963-64, 1967-68, 1969-95
Associate Professor of Education and Human Development, Emerita

EARLE A. MCKEEN '29, M.Ed., 1955-71
Associate Professor of Education, Emeritus

RICHARD J. MCGEE, M.A. '86, M.S., 1967-98
Professor of Physical Education, Emeritus; Director of Athletics

C. ABBOTT MEADER, M.A. '96, M.F.A., 1961-74, 1983-98
Professor of Art, Emeritus

WILLIAM B. MILLER, M.A. '74, Ph.D., 1956-82, February-June 1984
Professor of Art, Emeritus

BRADFORD P. MUNDY, M.A. '92, Ph.D., 1992-2003
Miselis Professor of Chemistry, Emeritus

CARL E. NELSON, M.Ed., November 1967-93
Adjunct Professor of Physical Education, Emeritus; Director of Health Services

STANLEY A. NICHOLSON, M.A. '81, Ph.D., 1981-90
Professor of Economics, Emeritus; Administrative Vice President, Emeritus

FRANCIS H. PARKER, M.A. '71, Ph.D., 1971-86, 1990-91
Dana Professor of Philosophy, Emeritus

HAROLD R. PESTANA, M.A. '85, Ph.D., 1959-97
Professor of Geology, Emeritus

ROBERT W. PULLEN '41, M.A. '59, Ph.D., 1945-81
Professor of Economics, Emeritus; Administrative Vice President, Emeritus

WENDELL A. RAY, M.A. '54, Ph.D., 1938-76
Professor of Chemistry, Emeritus

HAROLD B. RAYMOND, M.A. '68, Ph.D., 1952-94
Professor of History, Emeritus

PETER J. RÉ, M.A. '65, M.A., 1951-84
Professor of Music, Emeritus

EVANS B. REID, M.A. '58, Ph.D., 1954-78
Merrill Professor of Chemistry, Emeritus

EARL H. SMITH, M.A. '95, B.A., 1962-2002
Professor; Dean of the College, Emeritus; Executive Assistant to the President

DOROTHY SWAN REUMAN, M.A., 1961-64, 1966-92
Associate Professor of Music, Emerita

YVONNE RICHMOND ROWE '55, M.A. '79, M.B.A., 1958-94
Professor of Administrative Science, Emerita

ALLAN C. SCOTT, M.A. '51, Ph.D., 1951-73, January 1984
Dana Professor of Biology, Emeritus

SONIA CHALIF SIMON, Ph.D., 1982-96
Associate Professor of Art, Emerita

WAYNE L. SMITH, M.A. '83, Ph.D., 1967-2001
Professor of Chemistry, Emeritus

MARJORIE BITHER SMITH, M.A. '76, M.A., 1935-41, 1957-79
Professor of Physical Education and Athletics, Emerita

DACE WEISS, M.A., 1981-2001
Instructor in French, Emerita

GUENTER WEISSBERG, M.A. '70, J.D., Ph.D., 1965-88
Professor of Government, Emeritus

DORIN ZOHNER, Ph.D., 1963-66, 1969-96
Associate Professor of Psychology, Emeritus

WALTER H. ZUKOWSKI, M.A. '65, Ph.D., 1952-82
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 of Biosciences (1993) by Mary E. Arey in memory of her husband, Colby Class of 1912. Arthur K. Champlin, biology.

The Arnold Bernhard Professorship in Arts and Humanities (1997) by A. Van H. 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. Homer T. Hayslett Jr., mathematics, Susan Kenney, English, Thomas J. Morrione, sociology, Clifford Reid, economics, and Ira Sadoff, English.

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. Richard J. Moss, history.

The James M. Gillespie Chair of 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. Jan S. Hogendorn, 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, Andrea R. Tilden, biology, Lynn Hannum, biology, Virginia C. Long, physics, and Jennifer D. Shosa, geology.

The John D. and Catherine T. MacArthur Foundation Professorship (1981) by the John D. and Catherine T. MacArthur Foundation. Cheryl Townsend Gilkes, sociology.

The J. Warren Merrill Professorship of Chemistry and Natural History (1865) by J. Warren Merrill, Colby trustee. W. Herbert Wilson Jr., biology.

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 Carolyn Muzzy, who had been involved with the museum since its inception. Hugh J. Gourley III.

The NEH/Class of 1940 Distinguished Professorship in Humanities (1990) by the National Endowment for the Humanities and alumni from the Class of 1940. John R. Sweney, English, emeritus, 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 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 English 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. Douglas N. Archibald, English.

William A. Rogers Professorship of Physics (2000) by an anonymous donor. Murray F. Campbell, physics.

Sunrise Chair (2000) by anonymous parents of Colby alumni. Unfilled.

The Julian D. Taylor Assistant Professorship of 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 of 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 Sargent Wiswell '48 and George C. Wiswell Jr. '50 Chair in American Constitutional Law (2000) by Harriet and George Wiswell Jr. 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.

JULIA ADAMS, D.Mus. '86, M.A.¹ (Oberlin, San Francisco State), 1986-
Artist in Residence in Music

WILLIAM D. ADAMS, M.A. '00, Ph.D. (Colorado College, California at Santa Cruz), 2000-
Professor of Philosophy; President

DEBRA ANN AITKEN, M.A.'01, M.Ed. (Frostburg State, Plymouth State), 1985-
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Visiting Instructor in Psychology
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Visiting Assistant Professor of Classics
- CHARLES W. BASSETT, M.A. '80, Ph.D.¹ (South Dakota, Kansas), 1969-1999, 1999-
Lee Family Professor of American Studies and English, Emeritus; Visiting Professor of English
- JONATHAN M. BEAGLE, M.A.¹ (St. Cloud State, Rhode Island), 2002-
Visiting Instructor in History
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Carter Professor of Mathematics
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The Goldfarb Family Distinguished Professor of American Government; Vice President for Development and Alumni Relations, 1985-88
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JAMES C. ROBERSON III, M.A. (Virginia), 1999-2002
Instructor in Spanish

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

BILL ROORBACH, M.F.A.¹ (Ithaca, Columbia), 2001-2002
Visiting Associate Professor of English

PAUL ROSS, D.Mus. '86, Artist's Diploma¹ (Toronto Conservatory [Canada], Juilliard), 1986-
Artist in Residence in Music

ANINDYO ROY, Ph.D. (Delhi [India], Illinois State, Texas at Arlington), 1995-
Associate Professor of English

IRA SADOFF, M.A. '88, M.F.A.¹ (Cornell, Oregon), 1977-
Dana Professor of Poetry

ELIZABETH HARRIS SAGASER, Ph.D. (Brown, Brandeis), 1994-
Associate Professor of English

COLIN L. SAGE, Ph.D.¹ (CNAAC, University of Durham [U.K.]), 2001-2002
UCC Exchange Visiting Professor of Environmental Studies

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.¹ (Mount Holyoke, Harvard, Union for
Experimenting Colleges and Universities), 1976-
Professor of English; Director of the Farnham Writers' Center, 1984-

BETTY GAIL SASAKI, Ph.D. (California at Santa Barbara, California at Berkeley), 1991-
Associate Professor of Spanish

STEVEN E. SAUNDERS, Ph.D. (Carnegie-Mellon, Pittsburgh), 1990-
Associate Professor of Music

RAFFAEL M. SCHECK, Ph.D. (Kantonsschule Wettingen [Switzerland], Universität Zurich
[Switzerland], Brandeis), 1994-
Associate Professor of History

RICHARD C. SEWELL, M.A., 1974-2003
Adjunct Associate Professor of Theater and Dance; Director of Powder and Wig

THOMAS W. SHATTUCK, M.A. '00, Ph.D. (Lake Forest, California at Berkeley), 1976-
Professor of Chemistry

- JENNIFER D. SHOSA, Ph.D. (Syracuse, Hobart and William Smith, Cornell), 2000-
Clare Boothe Luce Assistant Professor of Geology
- ANDRÉ N. SIAMUNDELE, Ph.D. (University of Zaire, Yale), 2000-
Assistant Professor of French
- DAVID L. SIMON, M.A. '88, Ph.D. (Boston University, London), 1981-
Jetté Professor of Art
- NIKKY-GUNINDER KAUR 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 Mathematics and Computer Science
- EARL H. SMITH, M.A. '95, B.A. (Maine), 1962-2002
Professor; Secretary of the College; Executive Assistant to the President
- MARC L. SMITH, Ph.D. (Central Florida), 2001-
Assistant Professor of Computer Science
- DEBRA ALISON SPARK, M.F.A.¹ (Yale, Iowa), February 1995-
Associate Professor of Creative Writing
- ELISABETH F. STOKES, M.F.A.¹ (Smith, Massachusetts at Amherst), 2001-
Visiting Instructor in English
- JUDY LYNN 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
- JOHN R. SWENEY, M.A. '82, Ph.D. (Colorado College, Claremont, Wisconsin), 1967-
The NEH Class of 1940 Distinguished Teaching Professor of Humanities, Emeritus, English
- JOHN M. TALBOT, Ph.D. (Bucknell, Michigan at Ann Arbor, California at Berkeley), 1997-
Assistant Professor of Sociology
- MARK B. TAPPAN, Ed.D.² (Oberlin, Ohio State, Harvard), 1991-
Associate Professor of Education and Human Development
- DUNCAN A. TATE, D.Phil. (Oxford [England]), 1992-
Associate Professor of Physics
- LINDA TATELBAUM, Ph.D.¹ (Cornell), 1982-
Associate Professor of English
- LARISSA J. TAYLOR, Ph.D. (Harvard, Brown), 1994-
Associate Professor of History

DASAN M. THAMATTOOR, Ph.D. (Karnatak [India], Princeton), 1999-
Assistant Professor of Chemistry

PAMELA S. THOMA, Ph.D. (Ohio State, Colorado), 1996-
Assistant Professor of American Studies and Women's Studies

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 REMICK TILDEN, Ph.D. (Alma, Oklahoma), 1999-
Clare Boothe Luce Assistant Professor of Biology

JAMES TORTORELLA, B.S. (Maine), 1996-
Adjunct Assistant Professor of Physical Education and Athletics

WILLIAM E. UNDERWOOD, Ph.D. (Williams, Cornell), 1998-
Assistant Professor of English

ROY VAN TIL, Ph.D.¹ (Swarthmore, Boston College), 2002-
Visiting Associate Professor of Economics

BOBBY VAUGHN, Ph.D. (Lafayette, Stanford), 2002-
Visiting Assistant Professor of African-American Studies

LISA ANN WALTON, M.S. (Bowdoin, Oregon Graduate Institute of Science and Technology), 2001-2002
Visiting Instructor in Computer Science

JAMES L.A. WEBB JR., Ph.D. (Johns Hopkins), 1987-
Associate 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.¹ (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

JAMES B. WESCOTT, M.A.'01, M.S. (Plymouth State, Indiana), 1978-
Adjunct Professor of Physical Education and Athletics

JONATHAN M. WHITE, M.A. (Boston College, Brandeis), 2000-2002
Visiting Instructor in Sociology

RICHARD L. WHITMORE JR., M.A. '90, M.Ed. (Bowdoin, Maine), 1970-
Adjunct Professor of Physical Education; Director of Athletics, 1987-2002

- JULIE A. WIENSKI, M.S. (Smith), 1999-
Adjunct Assistant Professor of Physical Education and Athletics
- W. HERBERT WILSON JR., Ph.D. (North Carolina, Johns Hopkins), 1990-
J. Warren Merrill Associate Professor of Biology
- JOYLYNN WING, Ph.D. (San Francisco State, Stanford), 1988-
Associate Professor of Theater and Dance
- DIANE SKOWBO WINN, M.A. '89, Ph.D. (Miami [Ohio], Brandeis), 1974-
Professor of Psychology
- W. ARNOLD YASINSKI, M.A. '90, M.B.A., Ph.D. (Michigan, Indiana), 1990-
Professor of English; Administrative Vice President and Treasurer
- 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
- HONG ZHANG, Ph.D. (Huazhong Normal [China], Wuhan [China], Columbia), 1995-1999; 2000-
Assistant Professor of East Asian Studies [Chinese]
- SUISHENG ZHAO, Ph.D. (Peking [China], Missouri at Kansas City, California at San Diego), 1993-2001
Associate Professor of East Asian Politics

¹Part time.

²Professors 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 2001-02**Semester I Sabbaticals**

Heidi Godomsky, Physical Education and Athletics
 Mark Tappan, Education and Human Development

Semester II Sabbaticals

David Findlay, Economics
 Paul Josephson, History
 Suanne Muehlner, Director of Colby Libraries
 James Thurston, Theater and Dance

Full-Year Sabbaticals

Ariel Armony, Government
 Debra Barbezat, Economics
 Catherine Bevier, Biology
 Patrick Brancaccio, English
 Suellen Diaconoff, French
 Peter Ditmanson, History and East Asian Studies
 Ben Fallaw, History and Latin American Studies
 Bruce Fowles, Biology
 Gina Herrmann, Spanish
 R. Keller Kimbrough, East Asian Studies
 Elizabeth Leonard, History
 Thomas Longstaff, Religious Studies
 Paul Machlin, Music
 Michael Marlais, Art
 Brad Mundy, Chemistry
 Jorge Olivares, Spanish
 Kerill O'Neill, Classics
 Richard Sewell, Theater and Dance
 Dale Skrien, Mathematics and Computer Science
 Maritza Straughn-Williams, Anthropology and African-American Studies
 Duncan Tate, Physics
 Linda Tatelbaum, English
 Andrea Tilden, Biology
 Diane Winn, Psychology
 Hong Zhang, East Asian Studies [Chinese]

Directors of Colby Programs Abroad

Catherine Besteman: CBB Cape Town semester I
 Patrice Franko: CBB London semester I
 L. Sandy Maisel: CBB London semester I
 Andrew Brown: Colby in Cork semester I; Arthur Champlin: Colby in Cork semester II
 Eva Linfield: Colby in Dijon semester I
 Russell Johnson: CBB Quito semester I

Applied Music Associates

KAREN BEACHAM, M.M., 1991-

Clarinet

MESSAN JORDAN BENISSAN, Master Drummer, 1999-

African Drumming

RICHARD W. BISHOP, 1993-

Bass Guitar

MARILYN BUZY, B.A., 1999-

Percussion

ANGELA CAPPS, M.M., 1995-

Bassoon

MARY JO CARLSEN, B.A., B.Mus., 1985-

Violin, Viola; Concertmistress

CARL DIMOW, B.M., 1981-

Guitar

ANNABETH FRENCH, 1996-

Voice

SUZANNE GEORGE, January 2000-

French Horn

LOUIS O. HALL, Ed.D., 1999-

Oboe

DENNIS G. HARRINGTON, M.S., 1987-92, 1995-

Trumpet

SEBASTIAN JEROSCH, 2000-

Trombone

MARK LEIGHTON, M.A., 1981-

Classical Guitar

GAYLE E. MAROON, B.M., 1995-

Piano

ELIZABETH E. PATCHES, M.M., 1992-

Voice

JOHANNE PATENAUDE, 1997-

Piano

JEAN ROSENBLUM, B.A., 1973-

Flute

ERIC THOMAS, B.M., 1998-

Director of Band Activities

JOANN WESTIN, February 1996-

Piano

Marshals

ADRIANNA M. PALIYENKO, Ph.D.
 F. RUSSELL COLE, M.A.'90, Ph.D.
College Marshals

DEBRA A. BARBEZAT, Ph.D.
 D. WHITNEY KING, M.A.'02, Ph.D.
Faculty Marshals

SALLY BAKER, A.B.
Platform Marshal

Research Associates

JAMES BARRETT, Ph.D., 2000-
Research Associate in Classics

BETSY BROWN, Ph.D., 1990-
Research Scientist in Biology

LISA CHURCHILL-DICKSON '92, M.S., 2000-2002
Research Scientist in Geology

RUTH G. DEIKE, M.S., 1984-
Research Scientist in Geology

LINDA LEHMANN GOLDSTEIN, Ph.D., 1990-
Research Associate in American Studies

TOM HAIGH, M.A., 2002-
Research Associate in Administrative Science

SUSAN HOLMES, Ph.D., 2002-
Research Associate in Biology

NEAL F. TAYLOR, Ph.D., 1999-
Research Scientist in Biology

HENRY WALKER, Ph.D., 1993-
Research Associate in Religious Studies

Associates and Assistants

COLLEEN BURNHAM, 1992-
Teaching Associate in Psychology

ELIZABETH S. CHAMPLIN '65, M.S., 1971-
Senior Teaching Associate in Biology

TIMOTHY 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 JONES, 1998-
Instrument Maintenance Technician

LISA M. LESSARD, M.S., 2000-
Teaching Assistant in Physics and Astronomy

JEAN MCINTYRE, B.A., 1976-
Senior Teaching Associate in Chemistry

LISA MARIE MILLER, M.S., 1999-
Teaching Associate in Chemistry

BRUCE RUEGER, Ph.D., 1984-
Senior Teaching Associate in Geology

AUSTIN SEGEL, M.A., 1986-
Animal Care Technician in Biology

DANIEL C. TIERNEY, M.S., 2001-
Teaching Assistant in Chemistry

SHARON TREAT, J.D., 2000-
Environmental Studies Coordinator

Fellows and Interns

SEVDIJE AHMETI, B.A., August-December 2001
Oak Fellow in International Human Rights

JOHN C. ALLSHOUSE, Ph.D., 2001-2002
Faculty Fellow in Chemistry

KELLEE A. BARNARD, Ph.D., 2001-2002
Faculty Fellow in Classics

JAMES BARRETT, Ph.D., 2000-2002
Faculty Fellow in Classics

MICHAEL BATES '01, 2001-
Farnham Writers' Center Assistant

SOFIA BAUSHEVA, 2002-2003
Language Assistant in Russian

LEE A. BUTLER, Ph.D., 2002-
Faculty Fellow in History

BRETT FADEM, Ph.D., 2002-
Faculty Fellow in Physics

BARBARA HABERMANN, 2002-2003
Language Assistant in German

KIMBERLY A. JARVIS, M.A., 2002-
Faculty Fellow in History

KAREN KARBIENER, M.A., 2001-2002
Faculty Fellow in English

USHARI AHMAD MAHMUD KHALIL, Ph.D., August-December 2002
Oak Fellow in International Human Rights

TAVIA LAFOLLETTE, M.F.A., January-May 2003
Irving D. Suss Visiting Guest Artist in Theater and Dance

MATTHIAS PUSCHMANN, 2001-2002
Language Assistant in German

SIMONE RUI, 2002-03
Language Assistant in Italian

CRISTINA ANTA RODRIGUEZ, 2002-2003
Language Assistant in Spanish

YVONNE SANAVITIS, Ph.D., 2001-2002
Faculty Fellow in Spanish

ANNE-SOPIE SAVOUREUX, B.A., 2001-2002
Language Assistant in French

JOSHUA SCHREIER, M.A., 2001-2002
Faculty Fellow in History [Jewish Studies]

MATTHEW C. SCHWARTZ, B.S., 2001-2002
NSF AIRE Fellow in Geology

FREDERIC SLABY, 2002-2003
Language Assistant in French

KRISTEN WELSH, M.A., 2001-2002
Faculty Fellow in Russian

GRACE HUI-CHAN WU, B.A., 2002-2003
Language Assistant in Chinese

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, students, and administrators.

Academic Affairs

Administrative

Admissions and Financial Aid

 Bunche Scholars

Advisory Committee on Off-Campus Study

Athletic Advisory

College Affairs

Cultural Events

 Lipman Lecture

Financial Priorities

Healthcare Advisory

Independent Study

Information Technology

Library

Faculty Committees

Advisory Committee on Faculty Personnel Policies

Committee on Academic Standing

Faculty Course Evaluation

Grievance

Dismissal Proceedings

Nominating

Promotion and Tenure

Research, Travel, and Sabbatical Leaves

Other Committees or Councils

Appeals Board

Faculty Lounge Committee

Fellowship Advisory Board

Harassment Advisory Group

Humanities Grants

Institutional Animal Care and Use Committee

Institutional Biohazards Safety

Institutional Review Board: Human Subjects

Interdisciplinary Grants

Judicial Board

Natural Sciences Grants

Administration 2002-2003

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 College, SALLY A. BAKER, A.B., 2002-

College Historian, EARL H. SMITH, M.A. '95, B.A., 1962-

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 Consortium in Cape Town, CATHERINE L. BESTEMAN, Ph.D., 1993-

Director of Colby in Cork (Fall Semester), ANDREW J. BROWN, Ph.D., 2000-

Director of Colby in Cork (Spring Semester), ARTHUR K. CHAMPLIN, M.A. '87, Ph.D., 1971-

Director of Colby in Dijon, EVA LINFIELD, Ph.D., 1993-

Directors of CBB Consortium in London (Fall Semester), PATRICE FRANKO, M.A. '00, Ph.D., 1986- and L. SANDY MAISEL, M.A. '83, Ph.D., 1971-

Director of CBB Consortium in Quito, RUSSELL R. JOHNSON, Ph.D., 1996-

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, SUANNE W. MUEHLNER, M.L.S., M.B.A., 1981-

Acting Assistant Director of Public Services, MARGARET P. MENCHEN, M.L.S., 1989-

Assistant Director for Technical Services, TONI D. KATZ, M.S., 1983-

Circulation and Reserve Supervisor, EILEEN M. FREDETTE, 1988-

Head of Acquisitions, CLAIRE PRONTNICKI, B.A., 1991-

Slide Curator, MARGARET E. LIBBY '81, 1986-

Library Technology Specialist, LAWRENCE W. BROWN, M.A., 1994-

Art and Music Librarian, MARGARET D. ERICSON, M.L.S., 1998-

Acting Head of Reference, 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-

Science Librarian, SUSAN W. COLE, M.S., 1978-

Special Collections Librarian, PATRICIA A. BURDICK, M.S., M.L.S., A.L.M., 1998-

Carolyn Muzzy Director of the Museum of Art, HUGH J. GOURLEY III, A.B., 1966-

Registrar for the Museum of Art, PATRICIA ROSS-KING, B.A., 2001-

Assistant Director of the Museum of Art, GREGORY J. WILLIAMS, 1990-

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, MARY ELIZABETH MILLS, Ph.D., 1992-

Associate Director of the Oak Institute, ELIZA G. DENOEU, M.S., 2002-

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-
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-

Assistant to the Administrative Vice President, LILLIAN LEVESQUE, 1978-
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 Financial Planning, NORA I. DORE, B.S., 2001-
Director of Security, PETER S. CHENEVERT, 1997-
Assistant Director of Security/Personnel Services, HEATHER S. BUMPS, B.A., 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-
Administrative Financial Services Assistant, AMY L. ROY, B.S., 1999-

Director of Student Financial Services, CYNTHIA W. WELLS '83, 1983-

Assistant Director of Student Financial Services, LISA M. FAIRBANKS, A.S., 1990-

Student Financial Services Assistant, THERESA HUNNEWELL, A.S., 1976-

Student Financial Services Assistant, ELIZABETH H. BOWEN '81, M.A., 1998-

ColbyCard Manager, WILLIAM U. POTTLE, 1980-

Director of Information Technology Services, RAYMOND B. PHILLIPS, Ph.D., 1984-

Director of Academic Information Technology Services and Foreign Language Technology, JACKIE M. TANNER, M.Ed., M.A., 1996-

Personal Computer Consultant, MARIA C. CLUKEY, B.A., 1999-

User Services Consultant, PAULA KROG, 1983-

UNIX Workstation Administrator, JOHN W. KUEHNE, Ph.D., 1996-

Macintosh Applications Specialist, WENDY M. RANCOURT, B.S., 1996-

Personal Computer Consultant, RURIK SPENCE, 1988-

Director of Administrative Information Technology Services, CATHERINE L. LANGLAIS, B.A., 1996-

Senior UNIX Systems Administrator, JEFF A. EARICKSON, Ph.D., 1995-

Senior Systems Analyst, ELIZABETH N. SCHILLER, M.F.A., 1987-

Web Application Developer, TONI M. FREDETTE, M.S., 2002-

Web Technology Specialist, KEITH A. MCGLAUFLIN, B.S., 1989-

Information Systems Analyst, PAUL R. MEYER, M.S., 1999-

Director of Technical Services, DAVID W. COOLEY, M.Div., 1978-

Network Specialist, DANIEL S. SIFF, M.S., 2002-

Network Administrator, BRIAN ZEMRAK, 1998-

Director of Information Technology Support Services, KENNETH T. GAGNON, B.A., 1981-

Assistant Director of Information Technology Support Services, JANE M. ROBERTSON, B.A., 1990-

- Director of Media Services*, SAMUEL L. ATMORE, M.S., 1977-
Video Services Coordinator, PAUL A. GREGOIRE, 1985-
Director of Dining Services, VARUN AVASTHI, M.S., 1999-
Associate Director of Dining Services, JOSEPH KLAUS, A.A.S., 1998-
Management Intern, CARL FOY, B.S., 2001-
Manager, Johnson/Chaplin Commons, PAUL BOUCHER, I.F.S.E.A., 1998-
Assistant Manager, Johnson/Chaplin Commons, JULIA A. YIP, 2001-
Production Manager, Johnson/Chaplin Commons, WENDY A. BENNEY, 2000-
Manager, Lovejoy Commons, HEATHER VIGUE, B.A., 1997-
Assistant Manager, Lovejoy Commons, ANDREW S. GOODSPEED, A.S., 2001-
Production Manager, Lovejoy Commons, JODY R. PELOTTE, 1983-
Manager, Mary Low Commons, TERRY LANDRY, 1997-
Manager, Spa, STERLING HARTIN, 1999-
Assistant Catering Manager, JESSICA J. GABLE, 2000-
Director of Institutional Research and Assessment, MARK A. FREEMAN, Ph.D., 2002-
Director of Special Programs, JOAN H. SANZENBACHER, M.S.Ed., 1978-
Assistant 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-
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-

Vice President for College Relations, PEYTON R. HELM, M.A. '88, Ph.D., 1988-
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, JAIME PORTER, B.A., 1999-
Stewardship Coordinator, ELLEN M. COREY, 1982-
Coordinator of Development Web and Publications, JULIA L. STOWE, M.F.A., 1998-
Development Events Coordinator, KARIN R. WESTON, B.A., 1993-
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-
Senior Programmer/Analyst, R. NEAL PATTERSON, B.A., 1995-
Information Systems Analyst, JOHN J. BOLDOC, B.S., 1999-
Programmer/Analyst, DENNIS G. HARRINGTON, M.Ed., 1997-
Director of Alumni Relations, MARGARET VIENS '77, 1994-

- Associate Director of Alumni Relations*, MARGARET BERNIER '81, 1997-
Associate Director of Alumni Relations, BUFFY L. CLIFFORD, B.A., 1999-
Director of Annual Giving, DAVID R. BEERS '85, 1987-90, 1998-
Administrative Assistant to the Director of Annual Giving, ANN M. HURLBURT, B.S., 1980-
Associate Director of Annual Giving, KELLY L. DODGE '83, 1999-
Assistant Director of Annual Giving, CHRISTINE F. BICKNELL, B.A., 2001-
Assistant Director of Annual Giving, NANCY M. FOX, M.B.A., 1996-
Assistant Director of Annual Giving, BONNIE L. NIELSON '74, 1999-
Director of Capital Giving, STEVEN C. GREAVES, B.A., 1993-
Associate Director of Planned Giving, SUSAN F. COOK '75, M.B.A., 1981-
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-
Major Gifts Officer, BRADLEY R. SMITH JR. '96, M.Ed., 2000-
Director of College Relations Research, JULIE MACKSOUD, B.A., 1993-
Prospect Researcher, DEBORAH J. OUELLETTE, B.S., 1988-
Director of Communications, STEPHEN B. COLLINS '74, 1993-
Administrative Assistant to the Director of Communications, JOANNE A. LAFRENIERE, 1969-
Design Director, BRIAN D. SPEER, B.F.A., 1993-
Illustrator/Graphic Designer, LEO A. PANDO, B.F.A., B.F.A., 1997-
Web Manager, KAREN S. OH '93, M.F.A., 1994-97, 1999-
College Editor, ROBERT A. GILLESPIE, Ph.D., 1971-77, 1982-
Managing Editor/Associate Director of Communications, GERARD E. BOYLE '78, 1999-
Associate Director of Communications: News Bureau, ALICIA N. MACLEAY '97, 1999-
- 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, ERIK C. BERTELSEN JR., B.A., 2000-
Associate Director of Admissions and Financial Aid/Director of Multicultural Enrollment, SANDRA I. SOHNE, B.A., 2001-
Associate Director of Admissions and Financial Aid, MICHAEL F. MONTGOMERY '96, 1997-
Associate Director of Admissions and Financial Aid, KAREN C. HAMMOND, M.Ed., 1998-
Assistant Director of Admissions and Financial Aid, BARBARA SWENEY, B.A., 1982-
Assistant Director of Admissions and Financial Aid, JAMIE W. BREWSTER '00, 2000-
Assistant Director of Admissions and Financial Aid, REBECCA M. DOWNING '01, 2001-
Admissions Counselor, KATHERINE JOLY DEVINE, B.A., 1986-
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 Dean, MARIA C. SWEET, A.S., 2000-
Coordinator of Multicultural Student Programs and Support, BERNADETTE K. BUCHANAN, Ed.M., 2002-
Associate Dean of Students, PAUL E. JOHNSTON, B.A., 1982-
Associate Dean of Students, MARK R. SERDJENIAN '73, 1982-
Associate Dean of Students/Director of Intercultural Affairs, GERALDINE FRAIME ROSEBORO, M.A., 1994-
Associate Dean of Students for Residential Life, RONALD B. HAMMOND, Ph.D., 1997-
Assistant Director of Residential Life, STEPHANIE M. EIDT '99, 2000-
Associate Dean of Students, SUSAN M. LAFLEUR, B.A., 1996-
Associate Dean of Students/Director of Student Activities, LISA P. HALLEN, M.Ed., 1999-
Assistant Director of Student Activities, LEANNE YEATON BURNHAM, B.S., 2000-
- 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*, MELANIE M. THOMPSON, M.D., M.P.H., 1993-
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 BOLDOC-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, BOBBIE-JO SHEKLETON, M.S., 2002-
Staff Athletic Trainer, CHRISTINA M. STEEVES, M.Ed., 1998-
Staff Athletic Trainer, TIMOTHY S. WESTON, B.S., 1992-
- Director of Counseling Services*, PATRICIA NEWMEN, M.A., 1987-
Psychological Counselor, JAN MUNROE, Ph.D., 1994-
Psychological Counselor, JING YE, M.A., L.C.P.C., 2000-

Enrollment by States and Countries

U.S. states and foreign countries represented in the 2001-2002 student body.

2001-2002 Enrollment Men 866 Women 941 Total 1807

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
Nebraska
Nevada
New Hampshire
New Jersey
New Mexico
New York
North Carolina
North Dakota
Ohio
Oregon

Pennsylvania
Rhode Island
South Carolina
Tennessee
Texas
Utah
Vermont
Virginia
Washington
Wisconsin
Wyoming

Countries

Albania
Argentina
Azerbaijan
Bahamas
Belgium
Brazil
Bulgaria
Canada
China
Czech Republic
Denmark
Dominican Republic
Estonia
Ethiopia
Finland
France
Germany
Greece
Haiti
Hong Kong
Hungary
India
Indonesia
Iran
Ireland

Israel
Jamaica
Japan
Jordan
Kazakhstan
Latvia
Lithuania
Macedonia
Malaysia
Mexico
Myanmar
Netherlands
New Zealand
Norway
Oman
Pakistan
Philippines
Poland
Romania
Russia
Singapore
South Africa
South Korea
Sudan
Sweden
Switzerland
Thailand
Trinidad and Tobago
Turkey
Uganda
Ukraine
United Kingdom
Venezuela
Vietnam
Yugoslavia
Zimbabwe

Degrees Awarded at Commencement Sunday, May 26, 2002

Bachelor of Arts

As of the Class of 2001

Jared Reed Beers *Kittery, Maine*

The Class of 2002

Jessica Ann Abston *Orleans, Vt.*
Matthew Dennison Albaugh *Meredith, N.H.*
Geoffrey Dylan Albert-Bolinski *Philadelphia, Pa.*
Alexandros Ralph Aldous *Athens, Greece*
Whitney Pouch Alford *San Diego, Calif.*
Abby-Sophia Scagliotti Alway *Bow, Wash.*
Michael Gordon Ames *Livingston, N.J.*
Simon Eric Amich *Wilmette, Ill.*
Evan Gregory Anderson *Ventura, Calif.*
James Eliot Aronson *White Plains, N.Y.*

Yezdaan Ahmad Baber *Lisle, Ill.*
Chatham Joel Baker *Issaquah, Wash.*
Carl Balit *Montreal, Quebec, Canada*
Faith Berry Barker *Stoneham, Maine*
Katie Marie Barnes *Menlo Park, Calif.*
Paul Thomas Basmajian *Park City, Utah*
Christopher Carter Bauer *Mamaroneck, N.Y.*
Anna Rigby Beardslee *Newton, Mass.*
Jeffrey David Bears *North Attleboro, Mass.*
Robert Scribner Belcher *Golden, Colo.*
Walter Michael Belenky *Grosse Pointe, Mich.*
Jessica Ann Bennett *Jackson, N.H.*
Catherine Shannon Benson *Alpharetta, Ga.*
Michael Alan Bergan *Wayland, Mass.*
Todd Matthew Bergstrom *Cupertino, Calif.*
Anna F. Berke *Acton, Mass.*
Eleanor Katherine Berlin *Manchester, Mass.*
Jason Cotter Bidwell *Manchester, Mass.*
Jennifer Leah Bishop *Barrington, R.I.*
Jill Deborah Bluso *Chagrin Falls, Ohio*
Jordan Seth Bogel *North Salem, N.Y.*
Aaron Katahdin Bond *Washington, Mass.*
Kathryn Wallingford Bondy *Marietta, Ga.*
Sarah Elizabeth Bostick *Columbia, S.C.*
Hillary Jane Bouchard *Old Town, Maine*
Nicole Jane Boulanger *Monkton, Vt.*
Kevin Thomas Bracken *Sparta, N.J.*
Elizabeth Kingsbury Brandt *Concord, N.H.*
Deandra Brassard *Warner, N.H.*

Mary Kathryn Brennan *York, Maine*
Holly Kay Brewster *Portland, Ore.*
Emily Herrick Bridwell *Brookside, N.J.*
Jeffrey Parker Brink *Windham, N.H.*
Brook Marie Brisson *Lincoln, Vt.*
Jason David Brooks *Lisbon Falls, Maine*
Sarah Christine Browne *Vassalboro, Maine*
John Stewart Brownell *Cape Elizabeth, Maine*
Shanna Rose Brownstein *Penn Valley, Pa.*
Rebecca O'Sullivan Bruce *Exeter, N.H.*
Katy Anne Bruski *Evanston, Ill.*
Natalie Jean Buccola *Renton, Wash.*
Shawn Patrick Burnell *Buxton, Maine*
Mark Edwin Buschenfeldt *Natick, Mass.*
Tia Marie Byrd *Peru, Maine*

Victor Manuel Cancel *Lawrence, Mass.*
Ellen Marie Cantillon *Reading, Mass.*
Kathleen Marie Carney *Granby, Conn.*
Mairead Elizabeth Carney *Ticonderoga, N.Y.*
Douglas Norton Casazza *Pelham, N.H.*
Russell James Casper *Brookfield, Wis.*
Megan Taylor Cassella *Salem, Mass.*
Christopher Reid Castle *Stonington, Conn.*
Kimberly Ann Chadwick *Gardiner, Maine*
Melissa binti Mohamad Chaiken *Tokyo, Japan*
Dany Chan *Revere, Mass.*
Benjamin John Chandler *Mount Kisco, N.Y.*
Matthew John Charles *Clifton Park, N.Y.*
Noah Londer Charney *New Haven, Conn.*
Erin Diane Clark *Clarence, N.Y.*
Christopher H. Cogbill *La Crosse, Wis.*
Benjamin Colice *Silver Spring, Md.*
Christine Anne Collopy *Brookfield, Wis.*
Brooke Alison Congdon *Reading, Mass.*
Caitlin Elaine Conroy *Simsbury, Conn.*
Amy Elizabeth Cotten *Madison, Wis.*
Jennifer Amanda Coughlin *Hamilton, Mass.*
Timothy Andrew Cousins *Paris, France*
Benjamin Mark Craig *Lake Oswego, Ore.*
Colleen Elizabeth Creeden *Dennis, Mass.*

Neil Stephen Crimins, Jr. *North Billerica, Mass.*
William Ryan Cropper *Denver, Colo.*
Blake Anastasia Crowley *Rochester, N.Y.*
Amanda Beth Cuiffo *Newton, Mass.*
Jacob Hiram Culbertson *Oberlin, Ohio*

Alison Meriwether Culpen *Old Greenwich, Conn.*
 Jason Charles Cummings *Pittsfield, Maine*
 Lucas T. Cummings *South Paris, Maine*
 Thomas Francis Curran *Gardner, Mass.*
 Meredith Anne Currie *Yarmouth, Maine*
 Derek Jason Cyr *Brunswick, Maine*

Jennifer Lynn Dakin *Harvard, Mass.*
 Kathryn Marie Dalton *Amesbury, Mass.*
 Michael Vincent Dalton *Lynnfield, Mass.*
 Jeanine D'Angelo *Stoneham, Mass.*
 Ryan Thomas Davis *Saco, Maine*
 Christopher Robert DeLucia *Glastonbury, Conn.*
 Alexis Katherine Detwiler *San Anselmo, Calif.*
 Katherine Elizabeth Dimiero *Chester, N.J.*
 Blake Elizabeth Doherty *Sparta, N.J.*
 Susannah Stiles Dowell *Monkton, Md.*
 Katherine Camille Draznik *Cincinnati, Ohio*
 Sarah Jane Dressler *Winthrop, Maine*
 James Neill Drews II *Sharon, Mass.*
 Daniel B Dubrow *Setauket, N.Y.*
 Samuel A Dubrow *Setauket, N.Y.*
 Gabriel Alan Duncan-Roitman *Denver, Colo.*
 Katherine Eva Dunn *Hillsdale, N.J.*
 Melissa Anne Dunn *Needham, Mass.*

Katherine Anne Egan *Westfield, N.J.*
 Lauren Elizabeth Eisenberg *Long Grove, Ill.*
 Kristin Ross Elder *Scituate, Mass.*
 Catherine Piper Elliott *Edwards, Colo.*
 Rachel Ellis *Montclair, N.J.*
 Todd Marx Elmer *Pittsburgh, Pa.*
 Michael Creedon Endreny *Dennis, Mass.*
 David Adam Erlich *Swampscott, Mass.*
 Peter Widmer Etchells *Middlebury, Vt.*
 James Walsh Ewing *Carmel, Ind.*

Patrick Joseph Fahey *Bannockburn, Ill.*
 Thomas Pelino Ferzoco *Leominster, Mass.*
 Heather Elecia Fine *Henniker, N.H.*
 Jordan Alexander Finley *Pine Plains, N.Y.*
 Eric Stephan Fleischman *Dix Hills, N.Y.*
 Sarah Ann Fletcher *Weare, N.H.*
 Meghan Ritt Foley *Sherwood Forest, Md.*
 Elizabeth Davidson Ford *Hingham, Mass.*
 Michael Lang Foster *Goshen, Ky.*
 Ross Blair Freedman *Chappaqua, N.Y.*
 David Michael Friedman *Avon, Conn.*
 Lauren Kathryn Church Frisoli *Winchester, Mass.*

James Ronald Gagnon *Biddeford, Maine*
 Justin John Gallagher *Bedford, N.Y.*
 Cameron Tilford Gammill *New Canaan, Conn.*
 Corey Morgan Gammill *New Canaan, Conn.*
 Erin Osborn Gardner *Princeton, Mass.*

James Stoddard Garrett *Yarmouth, Maine*
 Nicholas Frederic Gaubinger *Northampton, Mass.*
 Joseph Zachary Gazza *Quogue, N.Y.*
 Thomas Ronald Geaghan *Orrington, Maine*
 Daniel Chase Gentile *River Forest, Ill.*
 TyAnn L. Gentry *Dayton, Ohio*
 Joshua Wolf Gerber *Asheville, N.C.*
 Ali Hassan Ghaffari *Jeffersonville, Vt.*
 Sarah Rose Gillis *Hingham, Mass.*
 Erin Lee Gimar *Rio Rancho, N.M.*
 Jason Kenneth Gimbel *Highland Park, Ill.*
 Peter Arthur Girard *Biddeford, Maine*
 Matthew Ernst Goehring *Claremont, Calif.*
 Eral David Gokgol-Kline *Istanbul, Turkey*
 Erika Patricia Goss *Stowe, Vt.*
 Megan Elizabeth Gosling *Riverside, Conn.*
 Andrea Marie Graffeo *Duxbury, Mass.*
 Jason Michael Grantham *Dayton, Maine*
 Joshua Adler Green *Reading, Mass.*
 Jonathan Alan Greene *Newton, Mass.*
 Daniel James Greenfield *West Hartford, Conn.*
 Julie Rebecca Greenfield *Cincinnati, Ohio*
 Caroline S. Greenwalt *Cleveland Heights, Ohio*
 Jeanette Elizabeth Gribben *Caracas, Venezuela*
 Benjamin Hughes Griffin *Ridgefield, Conn.*
 Nathaniel George Grubbs *Chattanooga, Tenn.*
 Christina Borislavova Gungova *Sofia, Bulgaria*
 Joseph Matthew Gutierrez *Portland, Maine*

Courtney Monaghan Hackman *McLean, Va.*
 Gillian Hagamen *N.Y., N.Y.*
 Christopher Ballard Hale *Brunswick, Maine*
 Amber Lyn Hall *Essex Junction, Vt.*
 Caroline Merrill Hall *Manchester, Mass.*
 Sally Ann Hall *Bloomfield Hills, Mich.*
 Emma Lee Hallowell *Concord, N.H.*
 Mariah Elizabeth Hamel *Southampton, Mass.*
 Blake Foster Hamill *Richmond, Va.*
 Zachary Edward Hansen *Harvard, Mass.*
 Elizabeth Curry Marie Hanson *Winnnetka, Ill.*
 Katharine Anne Harris *Jenkintown, Pa.*
 Courtney Elizabeth Harrison *Honeoye Falls, N.Y.*
 Faith Anne Harty *Westport, Conn.*
 David Christopher Hauser *Shaker Heights, Ohio*
 Thomas James Hauser, Jr. *Medfield, Mass.*
 Samuel John Heck *West Buxton, Maine*
 Bodo Alexander Heiliger *Allendale, N.J.*
 Paul Richard Henesy *Redding, Conn.*
 David Joel Herrle *Old Saybrook, Conn.*
 Andrew Stephen Hicks *Santa Barbara, Calif.*
 Michael Edward Higgins *Weymouth, Mass.*
 Jamie Nicole Hinson *Albany, Ga.*
 Amy Eleanor Hirschauer *Redding, Conn.*
 Jason Henry Hoag *Peterborough, N.H.*
 John Montelle Hobson *Clayton, Mo.*

Steven Walker Hooper, Jr. *Bellevue, Wash.*
 Andrew Douglas Hoyt *Upland, Calif.*
 Denitsa Boteva Hristova *Sofia, Bulgaria*
 Kara Elizabeth Hubbard *Windham, N.H.*
 Catherine Anne Hudspeth *Wilton, Conn.*
 John W. Hughes *Needham, Mass.*

Marcia Elizabeth Ingraham *Georgetown, Mass.*

Steve Gregory Jaboin *Salem, Mass.*
 Eleanor Sage Jackson *Bedford Hills, N.Y.*
 Stacy Megan Jameson *Durham, N.C.*
 Hilary Slade Jansen *Westport, Mass.*
 Andrew Godfrey Jaspersohn *Johnson, Vt.*
 Edward Richard Jastrem *Mansfield, Mass.*
 Kelley MacDougall Jessopp *Mettawa, Ill.*
 Clinton Anthony Johnson *Los Angeles, Calif.*
 Keith Eric Jonassen *Albion, Maine*
 Kenneth Peter Jordan *Glen Ellyn, Ill.*
 Tamás Juhász *Budapest, Hungary*

Michael Christopher Kaplan *Saint Paul, Minn.*
 Constance Renee Keener *Ashdown, Ark.*
 Andrew Norman Keiser *Orchard Park, N.Y.*
 Zahra Sami Khilji *Mississauga, Ontario, Canada*
 Haksun Kim *Seoul, Republic of Korea*
 Cortney Lynn Kirkendall *Arcadia, Calif.*
 Eliza Cooke Kittredge *Middlesex, Vt.*
 Kathryn Ann Knepley *Wayne, Pa.*
 Jessica Charles Knight *Watertown, Conn.*
 Margaret Ruth Knight *Cumberland, Maine*
 Matthew Thomas Koontz *Duxbury, Mass.*
 Kathryn Miyuki Kosuda *Suffern, N.Y.*
 Peter Randolph Kraft, Jr. *Falmouth, Maine*
 Meghan Allison Kreider *New Hope, Pa.*
 Jesse Kameron Kucenic *Greensburg, Pa.*
 Christopher Joseph Kuhlman *Eden Prairie, Minn.*
 Abby Melissa Kussell *Weston, Mass.*

Joshua Richard Ladieu *Tamworth, N.H.*
 Megan Laird *Slingerlands, N.Y.*
 James Schoenthaler LaLiberty *Waterville, Maine*
 Ashley Renee Landbloom *White Bear Lake, Minn.*
 Louise Inger Langhoff-Roos *Humblebaek, Denmark*
 Jaime Leigh Langione *Wellesley, Mass.*
 Tara Denise Lantz *Longview, Wash.*
 Christopher Edmund Larson *Pound Ridge, N.Y.*
 Charles Fremont Latimer IV *Saint Charles, Ill.*
 Nicole Clark Laurent *Houston, Texas*
 Eric Johannes Laurits *Wakefield, Mass.*
 Hillary Roberts Lavelly *Louisville, Ky.*
 Claudia Maria Laverde *Hopkinton, Mass.*
 Christina Marie Lavertu *Madawaska, Maine*
 Katherine Louise Lawson *Southwest Harbor, Maine*
 Kathleen Anne Lazdowski *Acton, Mass.*

Christopher Thatcher Leach *Wynnewood, Pa.*
 Paul J. Lee *Van Nuys, Calif.*
 Sharon Kitman Lee *Quincy, Mass.*
 Kathryn Jade Levy *Sterlington, N.Y.*
 Joshua Emmanuel Lewi *Weston, Conn.*
 Anna McLauren L'Hommedieu *Brightwood, Ore.*
 Paul Joseph Lilley *Mahopac, N.Y.*
 Carolyn Field Lindley *N.Y., N.Y.*
 Christopher Carson Long *Barrington, R.I.*
 Stephanie Maureen Looney *Brimfield, Mass.*
 Christopher Paul Lorentzen *Amherst, N.H.*
 Brett Evan Lurman *Manalapan, N.J.*

Rodwell Mabaera *Chinboyi, Zimbabwe*
 Katie Beth Macdonald *Danvers, Mass.*
 Trevor Winslow MacDonald *Conway, N.H.*
 Russell B. MacPherson, Jr. *North Marshfield, Mass.*
 Allison Mary MacRae *Andover, Mass.*
 Katherine Leigh Magnuson *Paxton, Mass.*
 Pedzisayi Onias Makumbe *Bulawayo, Zimbabwe*
 Lindsey Gei-Sook Malbon *Stony Brook, N.Y.*
 Kristy Marie Malm *Holbrook, Mass.*
 Michelle Diane Mancuso *Albuquerque, N.M.*
 Jonathan Robbins Mann *Mason, N.H.*
 David John Manning *St. John's, Newfoundland, Canada*
 Elizabeth Ann Marceau *Deephaven, Minnesota*
 Jonathan Scott Marlow *N.Y., N.Y.*
 Joshua Wells Martenson *Winchester, Va.*
 Peter Gabriel Masters *Wilton, Conn.*
 Benjamin Ryan Mattson *Great Falls, Va.*
 Amy Beth McCallum *Portland, Maine*
 Meg Joy McCusker *Stoneham, Mass.*
 Elizabeth Alice McDonald *Framingham, Mass.*
 Diana Katherine McFadden *Philadelphia, Pa.*
 Joseph Edward McGraw *Weston, Mass.*
 Michelle M. McInnis *Bryant Pond, Maine*
 Meghan Emily McKenna *North Haverhill, N.H.*
 Rachel Ada Meiklejohn *South Windsor, Conn.*
 Michael John Meloski *Medway, Mass.*
 Markus Manfred Mende *Darien, Conn.*
 Maria Louise Mensching *Newburyport, Mass.*
 Jacob Alexander Mentlik *Watchung, N.J.*
 Michelle Allison Merrill *Livermore, Maine*
 Andrew Curtis Merryman *Irvington, N.Y.*
 Giancarlo Michael Micozzi *Newton, Mass.*
 Sarah Rose Miller *Akron, Ohio*
 Russell Dickinson Mink *Norwalk, Conn.*
 Sarah Elizabeth Mockler *Melrose, Mass.*
 Eugenie Crofton Montague *Millbrook, N.Y.*
 Nicole Helene Moore *Hamilton, Mass.*
 Peter Benjamin Morelli *Buffalo, N.Y.*
 Keith George Radcliffe Morriss *Guilford, Conn.*
 Caroline Hanna Morrissey *West Springfield, Mass.*
 Lindsey Bonner Morse *Vancouver, Wash.*

Neal Garret Mower *Manchester, Maine*
 Isil Muderrisoglu *Ulus Istanbul, Turkey*
 Jaime Lynn Muehl *Cooperstown, N.Y.*
 Jesse Mullins *Crown Point, N.Y.*
 Christopher Joseph Multari *Islip Terrace, N.Y.*
 Shannon Colleen Murphy *Manchester, Vt.*
 Joseph John Murray *Winthrop, Mass.*

Robert Eugene Nagle *Woburn, Mass.*
 Paul Robert Nahigian *Belmont, Mass.*
 Katherine Marjorie Nastou *Hingham, Mass.*
 Kirsten Lynne Ness *Auburn, Maine*
 Eric Paul Neumann *Vernon Hills, Ill.*
 Sharlin Mikhaila Noble *Addis Ababa, Ethiopia*
 Daniel William Noyes *Silver Lake, N.H.*

Jennifer Marie Oates *North Scituate, R.I.*
 Joseph Stephen O'Connell *Middletown, N.Y.*
 Daniel Joseph O'Connor *Brunswick, Maine*
 Patrick Thomas Olsen *Cape Elizabeth, Maine*
 Danielle Renee Olson *Westport, Conn.*
 Melanie Sue Ouellette *St. John, Maine*
 Matthew Stephen Overton *Canton, Mass.*

Stanley Carter Pace *Shaker Heights, Ohio*
 Theresa Marie Packard *Wayne, Pa.*
 Gayle Jeannette Pageau *Northboro, Mass.*
 William Scott Paladini *Far Hills, N.J.*
 Karthik Thyagarajan Paramasivan *Madras, India*
 Benjamin David Park *Andover, Mass.*
 Anne Marian Paruti *Bridgewater, Mass.*
 Sumir Gautam Patel *Pittsburgh, Pa.*
 Whitney Claiborne Pearce *Annisquam, Mass.*
 Timothy Anyi Persinko *High Bridge, N.J.*
 Christy Lynn Person *Madison, Conn.*
 John Charles Phillips *Portland, Maine*
 Sarah Elizabeth Piampiano *Cumberland, Maine*
 Michael Ray Pincus *Wynnewood, Pa.*
 Mindy F. Pinto *East Providence, R.I.*
 Andrea Marie Pomerance *Ooltewah, Tenn.*
 Alexander Ellsworth Porteous *Arlington, Va.*
 Leila Emerson Porteous *Falmouth, Maine*
 Jessica Wheelock Povtak *Silver Spring, Md.*
 Beth Marie Power *Brookfield, Conn.*
 Christopher John Prendergast *Chapel Hill, N.C.*
 Jean Elizabeth Preti *Cape Elizabeth, Maine*
 David Philip Prinstein *Weston, Conn.*

Rashad Khalim Randolph *Bronx, N.Y.*
 Jordan Sumner Raphael *Panton, Vt.*
 Katherine Frances Rauch *Baltimore, Md.*
 Andrew Karl Recknagel *Wheaton, Ill.*
 Bethany R. Record *Readfield, Maine*
 Amanda Gayle Rei *North Andover, Mass.*
 Ashley Gilmore Reid *Pittsburgh, Pa.*

Abigail Zoe Reider *Bethesda, Md.*
 Kelly Brigid Reilly *Brownfield, Maine*
 Kim Anna Reiss *Princeton, N.J.*
 Meredith Mary Renda *Woodbury, Conn.*
 Amy Lee Reznitsky *N.Y., N.Y.*
 Elizabeth Lambert Rice *Norfolk, Va.*
 Margaret Tanit Rieger *Simsbury, Conn.*
 Paloma Polucci Rivera *West Tisbury, N.Y.*
 Katherine Olivia Powers Robbie *Norwich, Vt.*
 William John Roberts *West Wyoming, Pa.*
 Gregory Joseph Robinson *Loudonville, N.Y.*
 Lauren Haas Rodier *Exeter, N.H.*
 Michael Joseph Rogalus III *Vernon, Conn.*
 Jennifer Suzanne Romak *Newtown, Conn.*
 David Lawrence Root *Port Washington, N.Y.*
 Jessica Hope Rosenbloom *Demarest, N.J.*
 Fraser Stillman Ross *Newport, R.I.*
 Avery Roth *N.Y., N.Y.*
 Rebecca Hae-Jung Rothenberg *Carlisle, Mass.*
 David William Ryan *Milton, Mass.*
 Jonathan Hepworth Ryder *Willington, Conn.*

Leah Anne Sablosky *Barkhamsted, Conn.*
 Oliver John Sabot *Williamstown, Mass.*
 Maxwell Edwards Sadler *N.Y., N.Y.*
 Katherine Anna St. Germaine *Fiskdale, Mass.*
 Sara Kohler Saltzman *Marblehead, Mass.*
 Lindsay Beth Santini *Winchester, Mass.*
 Ward Armstrong Savage *Rye, N.Y.*
 Andrew Phillip Schannen *Carlisle, Mass.*
 Christopher Joseph Schlosser *Chappaqua, N.Y.*
 Martin John Schnermann *Washington, D.C.*
 Eliza Newbold Schnitzer *N.Y., N.Y.*
 Scott Robb Schoenfeld *Middlebury, Vt.*
 Shayna Rose Scholnick *Hamilton, Mass.*
 Tamara Ann Sebelius *Chelmsford, Mass.*
 David John Seel III *Stony Brook, N.Y.*
 Andrew Edwin Seidler *Highland Park, Ill.*
 J. Michael Sesko *Weston, Conn.*
 Alyssa Marie Severn *Fargo, N.D.*
 Matthew Jeremiah Severs *Fort Wayne, Ind.*
 Kendra Kristine Shank *Edina, Minnesota*
 Rebecca Lund Sharp *Steamboat Springs, Colo.*
 John Patrick Shea *Doylestown, Pa.*
 Nicole Ann Shoemaker *Andover, Mass.*
 Matthew Thomas Simard *Auburn, Maine*
 Kevin Simons *Middlebury, Vt.*
 William Robert Simpson *Brookfield, Mass.*
 Sharon Kathleen Skettini *Upper Montclair, N.J.*
 Brett Nicholas Skoropowski *Londonderry, N.H.*
 John William Skovran *Tunkhannock, Pa.*
 Sean David Skulley *Wakefield, Mass.*
 Jennifer C. Smyth *Boulder, Colo.*
 Helen Rose Sofaer *Palo Alto, Calif.*

Elizabeth Rose Sommo *Appleton, Maine*
 Elizabeth Anne Sparkes *West Hartford, Conn.*
 William T. Spencer III *Sudbury, Mass.*
 Stephanie Julianna Spitko *Coopersburg, Pa.*
 Sarah Kathleen Spurr *Davis, Calif.*
 Rhett Ashley Stephenson *Richmond, Va.*
 Melissa Elizabeth Sternlieb *Suffern, N.Y.*
 Austin Cary Stonebraker *Hebron, Maine*
 Damien Bannister Strahorn *Menlo Park, Calif.*
 Meredith Jaclyn Strasnick *Swampscott, Mass.*
 Eric Carlton Strome *Newtown, Pa.*
 Alexandra Isabel Suchman *Rochester, N.Y.*
 Hailey Daniels Sullivan *Carlisle, Mass.*
 John Joseph Sullivan *Simsbury, Conn.*
 Timothy William Sullivan *Wellesley, Mass.*
 Christopher Paul Sussman *Williamstown, Mass.*
 Tara Elise Sweeney *Philadelphia, Pa.*
 Carrie E. Swiderski *Watertown, Conn.*
 Patrick Allen Swillinger *Washington, D.C.*
 Grant Clayton Swisher *Framingham, Mass.*

Kristina Suzanne Tabor *Rockville, Md.*
 Robert Adam Tarlock *Evanston, Ill.*
 Michael Gabriel Terkla *Arlington, Mass.*
 Lydia Irene Brown Terry *Dallas, Texas*
 Alison Laurel Thacker *Canton, N.Y.*
 Katherine Ann Theriault *Lewiston, Maine*
 Daniel Lewis Thomas *Milford, N.H.*
 Megan Elizabeth Thomas *Boise, Idaho*
 Erika Ann Thoreson *Mason City, Iowa*
 Allison Jeanne Threadgold *Bronxville, N.Y.*
 Mary Katherine Thurman *Atlanta, Ga.*
 Matthew Austen Tolve *San Mateo, Calif.*
 Caroline Paige Torrasi *Andover, Mass.*
 Andrew Leitner Townsend *Cape Elizabeth, Maine*
 Loryn Marie Traversi *Concord, Mass.*
 Anne Catherine Tricomi *Braintree, Mass.*
 Helena Tubis *N.Y., N.Y.*
 Scott Andrew Tucker *Old Saybrook, Conn.*
 Amjad Tuffaha *Amman, Jordan*
 Carl E. Tugberk *North Potomac, Md.*
 Philip Julian Tyler *Easton, Conn.*

Justin Alexander Ucko *Short Hills, N.J.*
 Heather Renee Unterreiner *Sherman Mills, Maine*

Molly Katherine Van Campen *Thomaston, Maine*
 Kimberly Ross Victor *Englewood, Colo.*

Marcy Ellen Wagner *Norton, Mass.*
 Nicole Anita Wakely *Topsham, Maine*
 Geoffrey William Ralph Ward *Portsmouth, N.H.*
 Kathryn Jane Ward-Waller *San Antonio, Texas*
 Eric Charles Washer *North Granby, Conn.*
 Denell Washington *Bloomfield, N.J.*

Jennifer Isabelle Wasson *West Newbury, Mass.*
 Edmond Miles Watters *Pittsburgh, Pa.*
 Elizabeth Erin Watters *Des Moines, Iowa*
 Jonathan Michael Weber *Penfield, N.Y.*
 William Charles Weiss *Eaton, N.H.*
 Katherine Jessica Wentzell *South Windsor, Conn.*
 Ryan Matthew Wepler *Wooster, Ohio*
 Brian John Wezowicz *Longmeadow, Mass.*
 Allison Marie White *Hingham, Mass.*
 Janessa Ruth White *Freeport, Maine*
 Jeffrey Brendan Williams *West Hartford, Conn.*
 Lindsey Clark Williams *Norwich, Vt.*
 Vanessa Celeste Elizabeth Willson *Seattle, Wash.*
 Bliss Margaret Woolmington *North Bennington, Vt.*
 Briana McLeod Wright *Colo. Springs, Colo.*

Laura Va. Yeamans *Framingham, Mass.*
 Anna-Michelle Dendy Young *McLean, Va.*

Bridget Colleen Zakielarz *Rochester, N.Y.*
 Mary Florence Zito *Manhasset, N.Y.*
 David Messer Zlatin *Columbia, Conn.*
 Eric J. Zuaro *Northfield, Vt.*
 Anna Mollie Zwahlen-Tronick *Boston, Mass.*

Honorary Degrees

Ana Castillo *Doctor of Letter*
 Scott Cowan *Doctor of Laws*
 Elizabeth Farnsworth *Doctor of Laws*
 Robert Gelbard *Doctor of Laws*
 Arthur Kopit *Doctor of Laws*

Honors

Senior Marshal

Gayle Jeannette Pageau
Laura Virginia Yeamans

Bachelor's Degrees with Honors

Summa Cum Laude

Jessica Ann Abston
Matthew Dennison Albaugh
Eleanor Katherine Berlin
Hillary Jane Bouchard
Deandra Brassard
Erin Diane Clark
Thomas Francis Curran
Jennifer Lynn Dakin
Ryan Thomas Davis
James Neill Drews II
Katherine Eva Dunn
Christina Borislavova Gungova
David Christopher Hauser
Denitsa Boteva Hristova
Stacy Megan Jameson
Hilary Slade Jansen
Tamás Juhász
Cortney Lynn Kirkendall
Kathryn Miyuki Kosuda
Meghan Allison Kreider
Joshua Richard Ladieu
Rodwell Mabaera
Allison Mary MacRae
Maria Louise Mensching
Eugenie Crofton Montague
Kirsten Lynne Ness
Jennifer Marie Oates
Gayle Jeannette Pageau
Karthik Thyagarajan Paramasivan
Christy Lynn Person
Meredith Mary Renda
Gregory Joseph Robinson
Jonathan Hepworth Ryder
Katherine Anna St. Germaine
Helen Rose Sofaer
John Joseph Sullivan
Tara Elise Sweeney
Katherine Ann Theriault
Erika Ann Thoreson
Matthew Austen Tolve
Kimberly Ross Victor
Nicole Anita Wakely
Jennifer Isabelle Wasson
Ryan Matthew Wepler
Briana McLeod Wright
Laura Virginia Yeamans
Anna Mollie Zwahlen-Tronick

Magna Cum Laude

Faith Berry Barker
Jeffrey David Bears
Anna F. Berke
Kathryn Wallingford Bondy
Brook Marie Brisson
Natalie Jean Buccola
Kathleen Marie Carney
Mairead Elizabeth Carney
Russell James Casper
Kimberly Ann Chadwick
Dany Chan
Benjamin Colice
Jennifer Amanda Coughlin
Amanda Beth Cuiffo
Jason Charles Cummings
Meredith Anne Currie
Alexis Katherine Detwiler
Lauren Elizabeth Eisenberg
Kristin Ross Elder
Elizabeth Davidson Ford
Lauren Kathryn Chruuch Frisoli
Erin Osborn Gardner
Nicholas Frederic Gaubinger
Sarah Rose Gillis
Jason Kenneth Gimbel
Matthew Ernst Goehring
Erika Patricia Goss
Megan Elizabeth Gossling
Andrea Marie Graffeo
Nathaniel George Grubbs
Gillian Hagamen
Amber Lyn Hall
Caroline Merrill Hall
Mariah Elizabeth Hamel
Courtney Elizabeth Harrison
John Montelle Hobson
Andrew Douglas Hoyt
John W. Hughes
Eleanor Sage Jackson
Eliza Cooke Kittredge
Ashley Renee Landbloom
Louise Inger Langhoff-Roos
Jaime Leigh Langione
Kathryn Jade Levy
Christopher Carson Long
Pedzisayi Onias Makumbe
Jonathan Robbins Mann
Meg Joy McCusker
Rachel Ada Meiklejohn
Jesse Mullins
Patrick Thomas Olsen
Anne Marian Paruti

Jordan Sumner Raphael
 Amanda Gayle Rei
 Kelly Brigid Reilly
 Margaret Tanit Rieger
 Katherine Olivia Powers Robbie
 William John Roberts
 Michael Joseph Rogalus III
 Oliver John Sabot
 Martin John Schnermann
 Eliza Newbold Schnitzer
 Andrew Edwin Seidler
 Matthew Jeremiah Severs
 Kendra Kristine Shank
 Kevin Simons
 Elizabeth Rose Sommo
 Stephanie Julianna Spitko
 Meredith Jaclyn Strasnick
 Eric Carlton Strome
 Alexandra Isabel Suchman
 Kristina Suzanne Tabor
 Daniel Lewis Thomas
 Amjad Tuffaha
 Eric Charles Washer
 William Charles Weiss
 Jeffrey Brendan Williams
 Bridget Colleen Zakielarz
 Mary Florence Zito

Cum Laude

Alexandros Ralph Aldous
 Whitney Pouch Alford
 Abby-Sophia Scagliotti Alway
 Simon Eric Amich
 Yezdaan Ahmad Baber
 Chatham Joel Baker
 Katie Marie Barnes
 Michael Alan Bergan
 Todd Matthew Bergstrom
 Jennifer Leah Bishop
 Sarah Elizabeth Bostick
 Elizabeth Kingsbury Brandt
 Holly Kay Brewster
 Emily Herrick Bridwell
 Jeffrey Parker Brink
 John Stewart Brownell
 Shawn Patrick Burnell
 Mark Edwin Buschenfeldt
 Tia Marie Byrd
 Ellen Marie Cantillon
 Megan Taylor Cassella
 Christopher Reid Castle
 Noah Londer Charney
 Christopher H. Cogbill
 Christine Anne Collopy
 Caitlin Elaine Conroy

Amy Elizabeth Cotten
 Colleen Elizabeth Creeden
 Neil Stephen Crimins, Jr.
 Blake Anastasia Crowley
 Jacob Hiram Culbertson
 Alison Meriwether Culpen
 Jeanine D'Angelo
 Katherine Elizabeth Dimiero
 Sarah Jane Dressler
 Daniel B Dubrow
 Samuel A Dubrow
 Katherine Anne Egan
 David Adam Erlich
 James Walsh Ewing
 Jordan Alexander Finley
 Meghan Ritt Foley
 James Ronald Gagnon
 Corey Morgan Gammill
 James Stoddard Garrett
 Thomas Ronald Geaghan
 Joshua Wolf Gerber
 Ali Hassan Ghaffari
 Erin Lee Gimar
 Jonathan Alan Greene
 Caroline S. Greenwalt
 Christopher Ballard Hale
 Emma Lee Hallowell
 Blake Foster Hamill
 Katharine Anne Harris
 Faith Anne Harty
 Samuel John Heck
 Amy Eleanor Hirschauer
 Steven Walker Hooper, Jr.
 Kara Elizabeth Hubbard
 Catherine Anne Hudspeth
 Edward Richard Jastrem
 Michael Christopher Kaplan
 Zahra Sami Khilji
 Kathryn Ann Knepley
 Jessica Charles Knight
 Matthew Thomas Koontz
 Peter Randolph Kraft, Jr.
 Christopher Joseph Kuhlman
 James Schoenthaler LaLiberty
 Eric Johannes Laurits
 Kathleen Anne Lazdowski
 Joshua Emmanuel Lewi
 Anna McLauren L'Hommedieu
 Carolyn Field Lindley
 Katie Beth Macdonald
 Katherine Leigh Magnuson
 Kristy Marie Malm
 Jonathan Scott Marlow
 Amy Beth McCallum
 Elizabeth Alice McDonald

Michelle M. McInnis
 Jacob Alexander Mentlik
 Sarah Rose Miller
 Nicole Helene Moore
 Keith George Radcliffe Morriss
 Jaime Lynn Muehl
 Katherine Marjorie Nastou
 Daniel Joseph O'Connor
 Danielle Renee Olson
 Whitney Claiborne Pearce
 Leila Emerson Porteous
 Beth Marie Power
 Christopher John Prendergast
 David Philip Prinstein
 Andrew Karl Recknagel
 Abigail Zoe Reider
 Kim Anna Reiss
 Amy Lee Reznitsky
 Jennifer Suzanne Romak
 Jessica Hope Rosenbloom
 Leah Anne Sablosky
 Maxwell Edwards Sadler
 Shayna Rose Scholnick
 David John Seel III
 J. Michael Sesko
 Alyssa Marie Severn
 Rebecca Lund Sharp
 Matthew Thomas Simard
 William Robert Simpson
 William T. Spencer III
 Rhett Ashley Stephenson
 Hailey Daniels Sullivan
 Christopher Paul Sussman
 Patrick Allen Swillinger
 Alison Laurel Thacker
 Megan Elizabeth Thomas
 Carl E. Tugberk
 Heather Renee Unterreiner
 Edmond Miles Watters
 Katherine Jessica Wentzell
 Bliss Margaret Woolmington
 Anna-Michelle Dendy Young
 David Messer Zlatin

Honors Programs

Honors in American Studies

Jessica Ann Bennett
 Eleanor Katherine Berlin
 Gillian Hagamen
 Caroline Merrill Hall
 Stacy Megan Jameson
 Maxwell Edwards Sadler
 Katherine Ann Theriault

Honors in Anthropology
 Jacob Hiram Culbertson
 Joshua Wolf Gerber
 Eugenie Crofton Montague

Honors in Biology
 Helen Rose Sofaer

Honors in Chemistry
 Thomas Francis Curran
 Kathryn Marie Dalton
 Paul J. Lee
 Rodwell Mabaera
 Jonathan Robbins Mann
 Gayle Jeannette Pageau
 Martin John Schnermann

Honors in Computer Science
 Eric Stephan Fleischman
 Kevin Simons

Honors in Economics
 Simon Eric Amich
 Kathleen Marie Carney
 Alison Meriwether Culpen
 James Neill Drews II
 Eral David Gokgol-Kline
 Jonathan Alan Greene
 Daniel James Greenfield
 Kristy Marie Malm
 Jonathan Scott Marlow
 Michelle M. McInnis
 Jessica Hope Rosenbloom
 Eliza Newbold Schnitzer
 Carl E. Tugberk

Honors in Economics-Mathematics
 Jonathan Hepworth Ryder

Honors in English
 Todd Matthew Bergstrom
 Noah Londer Charney
 Jennifer Lynn Dakin
 Alexis Katherine Detwiler
 Katherine Eva Dunn
 Erin Osborn Gardner
 Nicholas Frederic Gaubinger
 John Montelle Hobson
 Eleanor Sage Jackson
 Jaime Lynn Muehl
 David Philip Prinstein
 Katherine Anna St. Germaine
 David John Seel III
 John Joseph Sullivan
 Kristina Suzanne Tabor
 Erika Ann Thoreson
 Eric Charles Washer
 Katherine Jessica Wentzell
 Ryan Matthew Wepler

Honors in Environmental Policy

Catherine Shannon Benson
Sharon Kitman Lee
Jacob Alexander Mentlik

Honors in Government

Daniel Joseph O'Connor
Kimberly Ross Victor
Jennifer Isabelle Wasson

Honors in History

Erin Diane Clark
Rachel Ada Meiklejohn
Tara Elise Sweeney
Matthew Austen Tolve
Mary Florence Zito

Honors in International Studies

Kathryn Wallingford Bondy
Amy Eleanor Hirschauer
Eliza Cooke Kittredge

Honors in Mathematics

Jeffrey David Bears
Mariah Elizabeth Hamel
Amjad Tuffaha

Honors in Philosophy

John Stewart Brownell
Ryan Matthew Wepler

Honors in Physics

Tamás Juhász
Meghan Emily McKenna

Honors in Religious Studies

Sarah Rose Miller
Rhett Ashley Stephenson
Briana McLeod Wright

Honors in Women's Studies

Amy Lee Reznitsky

Distinction in Major*American Studies*

Eleanor Katherine Berlin
Sarah Jane Dressler
Gillian Hagamen
Caroline Merrill Hall
Stacy Megan Jameson
Maxwell Edwards Sadler
Katherine Ann Theriault

Anthropology

Brook Marie Brisson
Jacob Hiram Culbertson
Meghan Ritt Foley
Joshua Wolf Gerber
Benjamin Hughes Griffin
Jessica Charles Knight

Peter Randolph Kraft, Jr.
Eugenie Crofton Montague
Meredith Mary Renda
Amy Lee Reznitsky
Christopher Paul Sussman
Jeffrey Brendan Williams

Art

Abby-Sophia Scagliotti Alway
Michael Gordon Ames
Chatham Joel Baker
Tia Marie Byrd
Noah Londer Charney
Katherine Elizabeth Dimiero
Jeanette Elizabeth Gribben
Emma Lee Hollowell
Blake Foster Hamill
Jaime Leigh Langione
Elizabeth Alice McDonald
Nicole Anita Wakely

Biology

Deandra Brassard
Natalie Jean Buccola
Lauren Kathryn Chruch Frisoli
Matthew Ernst Goehring
Andrea Marie Graffeo
Meghan Allison Kreider
Allison Mary MacRae
Maria Louise Mensching
Kirsten Lynne Ness
Christy Lynn Person
Kelly Brigid Reilly
Michael Joseph Rogalus III
Helen Rose Sofaer
Bridget Colleen Zakielarz

Chemistry

Shawn Patrick Burnell
Thomas Francis Curran
Tamás Juhász
Kathryn Miyuki Kosuda
Rodwell Mabaera
Jonathan Robbins Mann
Gayle Jeannette Pageau
Martin John Schnermann

Classical Civilization

Alexis Katherine Detwiler
Daniel Lewis Thomas

Classics

Alexandros Ralph Aldous
James Stoddard Garrett
Christopher Carson Long

Computer Science

Joshua Richard Ladieu
Kevin Simons

East Asian Studies

Dany Chan

Economics

Simon Eric Amich
 Yezdaan Ahmad Baber
 Kathleen Marie Carney
 Russell James Casper
 Benjamin Colice
 Alison Meriwether Culpen
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 James Walsh Ewing
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 Matthew Austen Tolve
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 Jeffrey Brendan Williams
 Laura Virginia Yeamans

Economics-Mathematics

Pedzisayi Onias Makumbe
 Jonathan Hepworth Ryder

English

Jessica Ann Abston
 Todd Matthew Bergstrom
 Hillary Jane Bouchard
 Jennifer Lynn Dakin
 Ryan Thomas Davis
 Alexis Katherine Detwiler
 Blake Elizabeth Doherty
 Katherine Eva Dunn
 Nicholas Frederic Gaubinger
 Blake Foster Hamill
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 Jaime Lynn Muehl
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 Katherine Anna St. Germaine
 Alyssa Marie Severn
 Kristina Suzanne Tabor
 Erika Ann Thoreson
 Nicole Anita Wakely
 Eric Charles Washer
 Katherine Jessica Wentzell
 Ryan Matthew Wepler

Environmental Policy

Katie Marie Barnes
 Sarah Elizabeth Bostick
 Jennifer Lynn Dakin
 Sharon Kitman Lee
 William John Roberts

French Literature

Christy Lynn Person

French Studies

Joshua Emmanuel Lewi
 Katherine Olivia Powers Robbie

Geology

Carolyn Field Lindley
 Matthew Jeremiah Severs

German

Andrea Marie Pomerance

Government

Alexandros Ralph Aldous
 Michael Alan Bergan
 Jeffrey Parker Brink
 Mark Edwin Buschenfeldt
 Benjamin Colice
 Benjamin Mark Craig
 Rachel Ellis
 Katharine Anne Harris
 Courtney Elizabeth Harrison
 Kara Elizabeth Hubbard
 Edward Richard Jastrem
 Keith George Radcliffe Morriss
 Daniel Joseph O'Connor
 Alexander Ellsworth Porteous
 William John Roberts
 Oliver John Sabot
 Patrick Allen Swillinger
 Kimberly Ross Victor
 Jennifer Isabelle Wasson
 William Charles Weiss

History

Erin Diane Clark
 Christine Anne Collopy
 Jennifer Amanda Coughlin
 Sarah Jane Dressler
 Kristin Ross Elder
 David Adam Erlich
 Rachel Ada Meiklejohn
 Oliver John Sabot
 Andrew Edwin Seidler
 Eric Carlton Strome
 Tara Elise Sweeney
 Megan Elizabeth Thomas
 Matthew Austen Tolve
 Mary Florence Zito

Human Development (Independent)

Abby-Sophia Scagliotti Alway
 Elizabeth Kingsbury Brandt
 Jeanine D'Angelo

International Studies

Kathryn Wallingford Bondy
 Amy Elizabeth Cotten
 Amanda Beth Cuiffo
 Jason Charles Cummings
 Amy Eleanor Hirschauer
 Eliza Cooke Kittredge
 Anna McLauren L'Hommedieu
 Christopher Joseph Schlosser
 Kendra Kristine Shank
 William T. Spencer III
 Bliss Margaret Woolmington

Latin American Studies

Louise Inger Langhoff-Roos

Mathematical Sciences

Christopher Reid Castle
 Meg Joy McCusker
 Anna Mollie Zwahlen-Tronick

Mathematics

Jeffrey David Bears
 Mariah Elizabeth Hamel
 Cortney Lynn Kirkendall
 Rodwell Mabaera
 Amjad Tuffaha

Music

Geoffrey Dylan Albert-Bolinski
 Faith Berry Barker
 David Christopher Hauser
 Hilary Slade Jansen
 Eric Johannes Laurits
 Paul Joseph Lilley
 Theresa Marie Packard

Christopher John Prendergast
 Gregory Joseph Robinson
 Daniel Lewis Thomas

Performing Arts

Emily Herrick Bridwell
 Kristin Ross Elder
 Kathryn Jade Levy
 Jordan Sumner Raphael
 Rebecca Lund Sharp
 Anna-Michelle Dendy Young

Philosophy

Russell James Casper
 Andrew Douglas Hoyt
 Michael Christopher Kaplan
 Eric Carlton Strome
 Ryan Matthew Wepler
 Briana McLeod Wright

Physics

Thomas Francis Curran
 Tamás Juhász
 Katherine Leigh Magnuson
 Pedzisayi Onias Makumbe
 Patrick Thomas Olsen
 Martin John Schnermann
 David Messer Zlatin

Psychology

Matthew Dennison Albaugh
 Caitlin Elaine Conroy
 Elizabeth Davidson Ford
 Erin Lee Gimar
 Ashley Renee Landbloom
 Nicole Helene Moore
 Jennifer Marie Oates
 Amanda Gayle Rei
 Meredith Jaclyn Strasnick
 Alexandra Isabel Suchman

Religious Studies

Elizabeth Alice McDonald
 Sarah Rose Miller
 Rhett Ashley Stephenson
 Briana McLeod Wright

Russian Language and Culture

Amy Eleanor Hirschauer

Science, Technology, Society (Independent)

Michael Ray Pincus

Sociology

Tara Denise Lantz
 Elizabeth Rose Sommo
 Meredith Jaclyn Strasnick
 Allison Marie White

Spanish

Anna F. Berke
 Ellen Marie Cantillon
 Megan Taylor Cassella
 Jason Charles Cummings
 Louise Inger Langhoff-Roos
 Jennifer Marie Oates
 Anne Marian Paruti
 Margaret Tanit Rieger
 John Joseph Sullivan
 Jennifer Isabelle Wasson

Theater and Dance

Stephanie Julianna Spitko

Women's Studies

Kathryn Jade Levy
 Amy Lee Reznitsky

Phi Beta Kappa

Jessica Ann Abston
 Matthew Dennison Albaugh
 Eleanor Katherine Berlin
 Hillary Jane Bouchard *
 Deandra Brassard
 Erin Diane Clark
 Jason Charles Cummings
 Thomas Francis Curran
 Jennifer Lynn Dakin
 Ryan Thomas Davis
 James Neill Drews II
 Katherine Eva Dunn
 Lauren Kathryn Chruch Frisoli
 Nathaniel George Grubbs
 Christina Borislavova Gungova *
 David Christopher Hauser
 John Montelle Hobson
 Denitsa Boteva Hristova
 Stacy Megan Jameson
 Hilary Slade Jansen
 Tamás Juhász
 Cortney Lynn Kirkendall
 Kathryn Miyuki Kosuda
 Meghan Allison Kreider
 Joshua Richard Ladieu *
 Christopher Carson Long
 Rodwell Mabaera
 Allison Mary MacRae
 Maria Louise Mensching
 Eugenie Crofton Montague
 Kirsten Lynne Ness
 Jennifer Marie Oates
 Gayle Jeannette Pageau *
 Karthik Thyagarajan Paramasivan
 Anne Marian Paruti
 Christy Lynn Person

Meredith Mary Renda
 Michael Joseph Rogalus III
 Jonathan Hepworth Ryder
 Helen Rose Sofaer
 Katherine Anna St. Germaine
 Meredith Jaclyn Strasnick
 John Joseph Sullivan
 Tara Elise Sweeney
 Katherine Ann Theriault
 Erika Ann Thoreson
 Matthew Austen Tolve
 Kimberly Ross Victor
 Nicole Anita Wakely
 Jennifer Isabelle Wasson
 Ryan Matthew Wepler
 Briana McLeod Wright
 Laura Virginia Yeamans *
 Anna Mollie Zwahlen-Tronick

*Elected in Junior Year

Julius Seelye Bixler Scholars

James Neill Drews II
 Christina Borislavova Gungova
 Joshua Richard Ladieu
 Gayle Jeannette Pageau
 Jonathan Hepworth Ryder
 Laura Virginia Yeamans

Charles A. Dana Scholars

Hillary Jane Bouchard
 Thomas Francis Curran
 Jennifer Lynn Dakin
 Erika Ann Thoreson
 Ryan Matthew Wepler

Ralph J. Bunche Scholars

Dany Chan
 TyAnn L. Gentry
 Constance Renee Keener
 Kathryn Miyuki Kosuda
 Sharon Kitman Lee
 Michelle Diane Mancuso
 Timothy Anyi Persinko
 Rebecca Hae-Jung Rothenberg
 Denell Washington

L.L. Bean Scholars

Hillary Jane Bouchard
 Shawn Patrick Burnell
 James Ronald Gagnon
 Michelle M. McInnis

Senior Scholars

Eric S. Fleischman

*A Cognitive Model of New Data on Human
Problem Solving*

John M. Hobson

*What Is Your Substance, Whereof Are You
Made*

Amy L. Reznitsky

*Reconfiguring Sex: The Paradoxical
Relationship Between Intersexed and
Transgendered Identities*

Kristina S. Tabor

*The Politics of Restoration Authorship: The
Collaboration of Dryden and Purcell on King
Arthur, or the British Worthy*

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College Calendar 2002-2003

First Semester

Tuesday, August 27
 Wednesday, August 28, through Monday, September 2
 Monday, September 2
 Wednesday, September 4
 Monday and Tuesday, October 14, 15
 Friday, October 18, through Sunday, October 20
 Wednesday, November 27, through Sunday, December 1
 Friday, December 6
 Saturday, December 7
 Wednesday, December 11, through Monday, December 16
 Tuesday, December 17

Class of 2006 arrives for COOT
 COOT and orientation
 Dorms open; upperclasses return
 First classes
 Fall break (no classes)
 Family Homecoming Weekend
 Thanksgiving recess
 Last classes of first semester
 Last day for scheduled events
 Semester examinations
 Residence halls close for winter recess

January Term

Sunday, January 5
 Monday, January 6, through Thursday, January 30
 Friday, January 31, through Sunday, February 2

Midyear students arrive
 January Program
 COOT for new students

Second Semester

Wednesday, February 5
 Saturday, March 22, through Sunday, March 30

 Friday, May 9
 Saturday, May 10
 Wednesday, May 14, through Monday, May 19
 Saturday, May 24
 Sunday, May 25

First classes
 Spring recess (residence halls closed)
 Last classes of second semester
 Last day for scheduled events
 Semester examinations
 Baccalaureate
 Commencement

College Calendar 2003-2004

First Semester

Wednesday, September 8
Friday, October 10, through Sunday, October 12
Monday and Tuesday, October 20, 21
Wednesday, November 26, through Sunday, November 30
Friday, December 12
Saturday, December 13
Wednesday, December 17, through Monday, December 22
Tuesday, December 23

First classes
Family Homecoming Weekend
Fall break (no classes)
Thanksgiving recess
Last classes of first semester
Last day for scheduled events
Semester examinations
Residence halls close for winter recess

January Term

Sunday, January 5
Monday, January 5, through Thursday, January 29

Midyear students arrive
January Program

Second Semester

Wednesday, February 4
Saturday, March 20, through Sunday, March 28

Friday, May 7
Saturday, May 8
Wednesday, May 12, through Monday, May 17
Saturday, May 22
Sunday, May 23

First classes
Spring recess (residence halls 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.

Notes

College

The College of Arts and Sciences

First Semester

Wednesday, September 10

Friday, October 10

Monday, October 13

Wednesday, October 15

Friday, October 17

Saturday, October 18

Sunday, October 19

Monday, October 20

Tuesday, October 21

Wednesday, October 22

Thursday, October 23

Friday, October 24

Saturday, October 25

Sunday, October 26

Monday, October 27

Tuesday, October 28

Wednesday, October 29

Thursday, October 30

Friday, October 31

College Calendar 2003-2004

The College Calendar 2003-2004 printed on page 286 of the 2002-2003 Colby College Catalogue was changed. The correct dates for 2003-2004 are:

First Semester

Wednesday, September 3
Friday, October 10, through Sunday, October 12
Monday and Tuesday, October 20, 21
Wednesday, November 26, through Sunday, November 30
Friday, December 5
Saturday, December 6
Wednesday, December 10, through Monday, December 15
Tuesday, December 16

First classes
Family Homecoming Weekend
Fall break (no classes)
Thanksgiving recess
Last classes of first semester
Last day for scheduled events
Semester examinations
Residence halls close for winter recess

January Term

Sunday, January 5
Monday, January 5, through Thursday, January 29

Midyear students arrive
January Program

Second Semester

Wednesday, February 4
Saturday, March 20, through Sunday, March 28
Friday, May 7
Saturday, May 8
Wednesday, May 12, through Monday, May 17
Saturday, May 22
Sunday, May 23

First classes
Spring recess (residence halls 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/

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Waterville, Maine 04901

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