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## Colby College Catalogue 1984 - 1985

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1984-1985



# Colby College Catalogue



1984-1985





# Colby College Catalogue

SEPTEMBER 1984-1985

Waterville, Maine

**Inquiries to the College should be directed as follows:**

**Academic Counseling** **SONYA ROSE**, *Associate Dean of the College*, ext. 2207

**Admission** **ROBERT P. MCARTHUR**, *Dean of Admissions and Financial Aid*, ext. 2166

**Adult Education and Summer Programs** **ROBERT H. KANY**, *Director of the Division of Special Programs*, ext. 2385

**Business Matters** **ANNE S. GRANGER**, *Assistant Treasurer/Senior Accountant*, ext. 2159

**Grants, Loans, and Student Employment** **GARY N. WEAVER**, *Director of Financial Aid*, ext. 2379

**Health and Medical Care** **CARL E. NELSON**, *Director of Health Services*, ext. 2398

**Public Affairs** **PETER J. KINGSLEY**, *Director*, ext. 2226

**Records and Transcripts** **GEORGE L. COLEMAN II**, *Registrar*, ext. 2197

**Student Affairs** **JANICE SEITZINGER**, *Dean of Students*, ext. 2103

Mailing address: Colby College, Waterville, Maine 04901. Telephone: (207) 873-1131

A booklet, *Colby Perspective*, 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 and 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 admits qualified students of any race, religion, age, or national or ethnic origin without regard to sex or handicapped status. It does not discriminate on the basis of such criteria in its educational or employment policies, or in its athletic, scholarship, loan, or other College-administered programs. 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.

# 1 General Information

Colby College	5
Admission	6
Orientation	9
Student Fees	10
Financial Aid	13
Career Services	14
General Regulations	15
The Library	17
The Commons Plan	18
The Campus	19
Campus Life	21
Colby Yesterday and Today	24



# Colby College

Chartered as Maine Literary and Theological Institution by the General Court of Massachusetts, February 27, 1813. First classes, 1818. Authorized to confer degrees by the first legislature of Maine, June 19, 1820. First commencement, 1822. Name changed to Waterville College, February 5, 1821; changed to Colby University, January 23, 1867; changed to Colby College, January 25, 1899. An independent college of liberal arts for men and women (women first admitted, 1871), nonsectarian, and founded under Baptist auspices, Colby is the twelfth oldest independent liberal arts college in the country, the first previously all-male college to become coeducational, and the fifth oldest college in New England.

**Corporate Name** The President and Trustees of Colby College.

**Degree Conferred** Bachelor of Arts.

**Enrollment** 1,704 (opening, 1983).

**Faculty** 148 full-time and part-time.

**Endowment** \$45,792,036 (market value as of June 30, 1983).

**Library** 400,000 volumes and 1,500 subscriptions to periodicals.

**Accreditation and Memberships** Accredited by New England Association of Schools and Colleges, and American Chemical Society. Member of The College Board, College Scholarship Service, Association of American Colleges, 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. Corporate 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 1895.

# Admission

Colby College admits students as candidates for the degree of Bachelor of Arts. Admission is 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, 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, the recommendations of 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 sixteen academic preparatory units is strongly recommended, including four in English, at least two in foreign language, three in college preparatory mathematics, two in history or social studies, two in laboratory science, and three in other college preparatory electives.

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

## 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 admission.

*January 15:* Deadline for filing applications for winter option early decision admission and financial aid. Notification: February 15.

*February 1:* Deadline for filing applications for regular admission and financial aid.

*March 15:* Deadline for filing transfer applications and financial aid requests.

*Mid-April:* Notification of action by admissions committee and of financial aid awards to regular applicants.

*May 1:* Accepted regular applicants confirm intention to attend Colby by payment of \$200 advance tuition deposit.

*May 15:* Notification of acceptance and financial aid awards given to transfer applicants.

*June 1:* Accepted transfer applicants confirm their intention to attend Colby by payment of \$200 advance tuition deposit.

**Interviews** Interviews, though not required, are recommended and are available on campus from May 1 to January 31. Appointments may be scheduled between 9:00 a.m. and 4:00 p.m. on weekdays, and on Saturday mornings from August through January. Group information sessions are also available on these Saturday mornings.

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

**Campus Visits** A visit is encouraged. Guides are normally available at the admissions office on weekdays, and tours are also possible on Saturday and Sunday afternoons when arrangements are made in advance. 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) throughout the academic year, with the exception of examination and vacation periods. Requests for accommodations through the host program should be directed to the admissions office at least two weeks prior to the visits. Accommodations are limited to one night.

For those driving, Colby is reached from the Maine Turnpike and I-95; Waterville is served by Greyhound Bus and Bar Harbor Airlines.

**Tests** Colby requires either the College Board Scholastic Aptitude Test (SAT) and three achievement tests—one of which should be English composition—or the ACT tests. The College Board SAT and achievement tests are preferred. A foreign language test is recommended for students seeking exemption from the language requirement. All required tests should be taken no later than January of the senior year. Early decision candidates must take these tests by November of their senior year. A request should be made by the applicant that test results be sent to Colby. Students taking the College Board tests should contact the College Board, P.O. Box 592, Princeton, New Jersey 08540 (or P.O. Box 1025, Berkeley, California 94701, for those living in Montana, Wyoming, Colorado, New Mexico, or points farther west). Students taking ACT tests should make requests to P.O. Box 168, Iowa City, Iowa 52243.

**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 them submitted to Colby for evaluation. Students scoring four or five receive automatic placement and credit from the College. Scores of three and below are evaluated by the academic department concerned.

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

**Transfer Students and Veterans** First consideration in admission is for freshmen, but some transfer students are accepted each year. Admission by transfer is open to those with satisfactory academic and personal records from accredited colleges or universities.

Transfer application forms, including a special recommendation form, may be obtained from the admissions office. Credits from accredited institutions are generally accepted for courses comparable to ones offered at Colby in which grades of C or better are received. No more than sixty transferred credit hours may be applied toward a Colby degree.

Veterans may request advanced standing consideration for completion of service schools or USAFI courses in advance of matriculation. Credit is not granted for military service or College Level General Educational Development Tests.

**Health Certificate** Before matriculation, each student must present a Colby College health certificate, which includes a physical examination to be completed and signed by the home physician. Evidence of tetanus toxoid immunization within the last five years and completed immunizations for measles, mumps, German measles, and polio are re-



quired to be recorded on the certificate. A current tuberculin test is required and, if positive, a chest X ray. (This requirement is waived for those students who may have had a BCG vaccine.) Preregistration cannot be guaranteed unless all required forms are received two weeks prior to registration.

**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 students may be recommended by their schools to take a course for a nominal administrative charge. Adults from the Waterville area who are not degree candidates may qualify to take courses at one half the usual fee.

Persons wishing to enroll as auditing students must also apply to the dean of admissions, and are referred to the section "Auditing Courses" elsewhere in this catalogue.

**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 Scholastic Aptitude Test (SAT) and three (3) Achievement Tests (if the tests are offered in a student's home country). In addition, applicants who have attended a school in which the medium of instruction is not English are required to take the Test of English as a Foreign Language (TOEFL). Arrangements may be made to take these examinations in various centers throughout the world by writing to the College Board, P.O. Box 592, Princeton, New Jersey 08540, U.S.A. So that the results are sent promptly to Colby, please use the Colby College Examination Code No. 3280. United States Embassies and Consular Offices can provide pertinent information on these examinations. They often have booklets describing the tests, and even have practice tests for your 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 February 1.

Colby has a director of intercultural activities who serves as special adviser to foreign students.

# Orientation

From the time of admission until they arrive on campus, new students are invited to make use of a "hot line" to the College to get answers to any questions they may have. An on-campus orientation program for freshmen 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 faculty and staff advisers, and placement examinations. Prior to the orientation, freshmen may participate in COOT (Colby Outdoor Orientation Trips), conducted by upperclassmen and faculty members.

**Placement in Mathematics** A mathematics placement test will be given during the orientation period and scores will be made available prior to registration. The test should be taken by all students who intend to take Mathematics 121, 122, or 123, and will cover material from high school courses typically entitled "Algebra II" and "Precalculus." The purpose of the test is to discover those students who would be well-advised to take (or re-take) precalculus before attempting calculus [it should be noted that precalculus is a non-credit course offered only in January].

Freshmen who intend to register for a "no prerequisite course" [Mathematics 111, 112, or 115] need not take the placement test.

Freshmen who intend to register for Mathematics 221, 231, or 241 should consult with their advisers and with the mathematics department chairman. They need not take the placement test.

**Placement in Foreign Languages** The College language requirement for 1984-85 is met at entrance by a score of sixty or more on the College Board language achievement test.

Students wishing to continue the study of a foreign language at Colby are encouraged to take the College Board achievement test in that language. The results are used to place the student at the appropriate level. If a student has not taken the College Board test and wishes to continue studying a language, he or she will be placed on the basis of a placement exam given during freshman week. Students whose College Board scores are more than a year old at the time of registration are also required to take the Colby placement exam.

Students who have had two or more years of language study may enroll in a course numbered 121 or 122 only if the department of modern foreign languages determines, on the basis of the College Board test or Colby's placement test, that their preparation is not adequate for the 123, 124 level.

Placement for students who have scored sixty or above on the College Board language achievement test is done by consultation with the department.

# Student Fees

## Annual Basic Charges 1984-85

	<i>Sem. I</i>	<i>Sem. II</i>	<i>Total</i>
Tuition	\$4,330	\$4,330	\$8,660
Board	825	825	1,650
Room	835	835	1,670
General Fee	210	210	420
	<u>\$6,200</u>	<u>\$6,200</u>	<u>\$12,400</u>

## Calendar of Payments 1984-85

	<i>On Campus</i>	<i>Off Campus</i>
<i>Upon Acceptance for Admission:</i> Admission deposit—new students only.	\$200	\$200
<i>April 1:</i> Attendance deposit for first semester—returning students only.	\$200	\$200
<i>August 1:</i> One half of annual basic charges, less admission or attendance deposit.	\$6,000	\$4,340
<i>November 1:</i> Attendance deposit for second semester—returning students only.	\$200	\$200
<i>January 1:</i> One half of annual basic charges, less admission or attendance deposit.	\$6,000	\$4,340

## Deposits

*Admission Deposit for All New Students:* A nonrefundable deposit of \$200 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.

*Attendance Deposits:* Returning students are required to pay a \$200 attendance deposit prior to each semester. The first semester deposit is due April 1 and is nonrefundable after July 1. The second semester deposit is due November 1 and is immediately nonrefundable. The attendance deposit is credited against the charges for the respective semester. For a student who does not enroll, the deposit will be held as a credit for one year, after which it will be forfeited. A student who does not pay an attendance deposit by the due date will not be permitted to select housing or preregister for courses for the coming semester. The admission deposit satisfies this requirement for new students.

## Basic Charges

*Tuition:* The tuition charge for a full-time student covers all schedules of nine or more credit hours. Students registered for fewer than nine credit hours will be charged at the rate of \$335 per credit hour.

*Board:* The College offers a single board plan of twenty-one meals per week, required of all students living on campus.

*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. Dormitory reservations are made through the office of the dean of students.

*General Fee:* The general fee is charged to all full-time students. Included in the general fee is an allocation for the Student Association and funding of College 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 full-time students.

### Miscellaneous Charges

*Applied Music:* A student receiving musical instruction under the applied-music program is charged a fee of \$110 for a one-credit course and \$180 for a two-credit course.

*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.

*Colby in Caen/Colby in Salamanca:* In lieu of the regular charges for tuition, room, board, and general fee, an annual fee of \$7,600 is charged to a student participating in the Colby in Caen or Colby in Salamanca program. Because of the nature of these programs, separate deadlines, deposits, and refund policies apply. Details are available in the Colby in Caen and Colby in Salamanca brochures.

*Cuernavaca/Florence Semesters:* For students participating in one of these programs, the regular basic charges of \$6,200 per semester apply. Further information is available from the admissions office.

*Fines:* Fines are charged to a student's account for: failure to register automobiles, parking violations, late return of library books, late registration for academic programs, checks returned as uncollectible, and for disciplinary actions.

*Damage to or Loss of College Property:* A student who is responsible for damage to or loss of College property will be billed for the cost of the damage or loss. In addition, the student may be subject to disciplinary action including suspension or expulsion. If the responsible individual(s) cannot be identified, the cost of repair or replacement may be assessed on a pro rata basis to an appropriate group of students as determined by the dean of students.

**Payment of Bills** Bills for basic charges are normally mailed two to four weeks before they are due. In addition, students receive statements of accounts at registration. Statements are also furnished in October and March, reflecting adjustments and miscellaneous charges.

Before students are permitted to register, accounts must be paid or satisfactory arrangements made with the business office. Deferments are not granted for pending loans or scholarships. It is the student's responsibility to ensure that these matters are resolved prior to registration or to pay the bill in full and then seek a refund when the loan or scholarship is finally disbursed. Payments are applied against charges in the order in which the charges appear on the student's account.

The College reserves the right to impose late payment penalties where it deems appropriate. A student with outstanding bills to the College will not be permitted to graduate, receive grades and transcripts, or select housing and courses for a future semester.

**Loan and Payment Plans** The College makes available three plans to assist students and their parents in financing a Colby education. The Colby Parent Loan Program allows qualified parents to borrow up to \$3,000 per semester. Two other plans allowing monthly payments are available through the Richard C. Knight Insurance Agency, Inc., 53 Beacon Street, Boston, Massachusetts 02108, and Academic Management Services, Inc., 1110 Central Avenue, Pawtucket, Rhode Island 02861. Additional information on all three plans is available from the financial aid office.

**Refunds** In cases of voluntary withdrawal during a semester, a student may be eligible for a refund of basic charges as follows:

First two weeks of classes . . . . .	80%
Third and fourth weeks of classes . . . . .	60%
Fifth week of classes . . . . .	40%
Sixth week of classes . . . . .	20%
Thereafter . . . . .	0%

A pro rata refund of the basic charges will be made for a student who withdraws upon advice from the College physician. When a student is required to withdraw because of unsatisfactory conduct including academic dishonesty, no refund will be made. A refund will not be made until the withdrawal/leave process established by the dean of students is completed.

A refund of basic charges will be made to the source of payment in the following order of priority: (1) to federally funded scholarship and loan programs in accordance with the refund regulations pertinent to those programs, (2) to the Colby scholarship program to recognize the reduction in basic charges, (3) to the Colby loan programs to recognize the reduction of need that corresponds to a reduction in basic charges, (4) to outside scholarship programs, (5) to the student and/or parents.

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 board contract and who does not live or eat on campus during the January program. A 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.

# Financial Aid

Financial aid is offered to students evidencing need as well as academic and personal promise. In an effort to insure equal access and opportunity for those from all socio-economic backgrounds, Colby awards annually three and one-half million dollars in grants, loans, and campus employment to approximately 585 students, or thirty-five percent of the enrollment. The average award in 1984-85 is expected to be approximately \$7,000. In addition, Colby administers the full range of federal and state financial aid programs, including Pell Grants, Supplemental Grants (SEOG), National Direct Student Loans, College Work-Study, and Guaranteed Student Loans.

As a member institution of the College Scholarship Service (CSS), Princeton, New Jersey, Colby requires new aid applicants to submit the Financial Aid Form to the CSS before February 15. An analysis of the form determines need within the context of College policy and the schedule of student fees.

As an additional financing option, Colby now offers parent loans. Each year, a \$6,000 maximum loan is possible with interest at nine or eleven percent, depending on length of repayment.

Early decision applicants should request from the College before January 1 a special institutional application for financial aid.

Students seeking more detailed information may write for the pamphlets *Financial Aid at Colby College* and *Parent Loan Program* or contact the director of financial aid.

# 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 Roberts Union, 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 facilities.

The staff works with academic advisers to assist undergraduates in the selection of courses and experiential options that best meet their individual interests and needs. An advisory committee, consisting of departmental representatives and members of the dormitory staff, is available for consultation and referral. Students considering careers in medicine, dentistry, law, and business are advised to meet with a member of the professional-preparation committees for each of these areas as early as possible in the freshman year.

The computer room and the career library, which includes extensive information on job-search techniques, current employment openings for permanent and summer positions, internships, and graduate-degree programs, are open daily, including evenings and weekends.

Students are encouraged to make an appointment to encounter SIGI (System of Interactive Guidance), a computer program that provides interest testing and value determination as well as information about hundreds of professions. Workshops on career exploration, résumé writing, and interviewing techniques can be as helpful to the underclassman 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 a newsletter is distributed throughout the campus on a regular basis, listing current activities and programs as well as career-related opportunities.

Specific programs for seniors include a recruitment program, which brings representatives from graduate and professional schools to the campus in the fall and from corporations and government-service organizations in the spring. Information and applications for the Graduate Record Examinations, Graduate Management Admission Test, Law School Admission Test, National Teachers Examination, and the Foreign Service Examination can be obtained by seniors in the office, and all but the last two are administered at Colby at least once 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 alumni liaison in the office of career services.

# 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 cases requiring discipline of students are turned over by the dean to a judicial board comprised of students and faculty. The regulations of the board and the rights of students appearing before the board are described in the *Student Handbook*.

**Attendance** Although students are expected to attend classes regularly, each student is permitted two absences from each course in any given semester. Work missed by such absence is the student's responsibility. If the instructor deems it necessary, persistent student absence from class will be reported to the dean of students, and dismissal from the course without credit may result.

Official excuses are granted by the instructor for the following reasons: critical emergencies, athletic or other organizational trips, or illness certified by the College physician.

No student on academic probation or condition may be excused from any class because of extracurricular or athletic activities.

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

Colby 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, 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 has always encouraged temperance in the use of alcoholic beverages. Moreover, federal and state laws concerning alcohol and drugs must be observed. State of Maine laws forbid possession of alcohol by persons under twenty. Abuse of drugs or alcohol that leads to disruptive behavior may result in dismissal. Students found guilty of misconduct off campus are subject to Colby sanctions as well as civil law prosecution.

**Health Policy** Physicians in the Colby College health services treat students on the same basis as community physicians treat the patients under their care.

The College feels that the best interests of students are served by having full medical counseling and treatment from physicians thoroughly informed about personal medical history.

The College respects the rights of these physicians to use their professional judgment in meeting the health needs of students.



Upon recommendation of the College physician, the College reserves the right to require a student to withdraw for medical reasons. If, in the doctor's opinion, a student becomes unable to carry on normal student functions, or when his presence is or may become a hazard to himself or others, withdrawal will be required. Following any medical withdrawal, recommendations from the College physician is required before the student is readmitted to the College.

The officers, faculty, and medical 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 authorization.

**Housing and Student Living** Students are housed in four Residential Commons: accommodating between 300-500 students each. Individual dormitory sizes range from 30 to 200 per building. All class years are housed in each building.

All freshmen not living at home or with relatives are required to live in College housing as assigned by the dean of students office. All resident students are required to subscribe to the on-campus board plan. The College has charge of the maintenance and security of its buildings.

In special circumstances, limited numbers of upperclass students are permitted to live off campus, with permission from the dean of students.

**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 printed in the *Student Handbook* and may be obtained at the dean of students office.

# The Library

Miller Library has been extensively renovated and enlarged with a new addition that has dramatically increased accommodations for readers, book collections, and staff.

The library furnishes printed and audiovisual material for assigned and recreational reading, reference, research, and independent study. Study areas in the main library and in departmental libraries can accommodate approximately one third of the students. The main building is open from early morning until late at night during the academic year, and mornings and afternoons each weekday in summer. Study areas and a computer room with eight terminals are open twenty-four hours a day. Miller Library houses the humanities and social science collections, College archives, and special collections.

An open-stack system allows browsing through the collection of 400,000 volumes. The library has 1,500 current periodicals, with strong retrospective runs, and daily newspapers from this country and abroad. Miller Library is a selective depository for United States government documents. In addition, on file are specialized types of material such as microfilms of newspapers, periodicals, and documents, recordings, films, and video tapes. The library is a member of the New England Library Network.

There are two libraries devoted to departmental collections. The Bixler Center has the Ambrose Coghill Cramer Room for the library of fine arts and music. The science collections are housed in the Allyn-Smith Science Library in the Keyes Building.

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 6,000 primary and critical sources representing the Irish Literary Renaissance, 1880-1940.

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

The Colby library was selected in 1962 by the New England Chapter, Society of Professional Journalists, Sigma Delta Chi, as repository for all records and documents of the Academy of New England Journalists.

The Colby Library Associates, founded in 1935, is an organization of friends of the library, many of long standing. Dues are used to purchase books, manuscripts, and letters that the library could not otherwise acquire. Members receive the *Colby Library Quarterly*.

**Audiovisual Center** The audiovisual center in the Miller Library provides media services for the College community. In addition to offering the traditional equipment delivery and loan services, the center also produces educational materials and provides instruction in many media-related areas. Audiovisual maintains a full complement of equipment, from overhead projectors to portable video recorders.

# The Commons Plan

In January 1984 the trustees approved a complete reorganization of residential life on the campus. In the fall of 1984, Colby will have created four distinct small communities or "commons," each with its own dining facility and governing unit.

The Commons Plan offers a number of advantages to students. 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. 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.

Students may reside within the same dormitory and commons for more than one year, so that friendships can more easily be formed and sustained throughout the college years and afterward.

A new student center is under construction to serve as a focus for the Commons Plan and as a forum for campus-wide social and program activities.

# The Campus

In the 1940s, Colby began the move from its original site in downtown Waterville to Mayflower Hill, two miles west of the city. Today forty-two buildings stand on a campus of 900 acres, one of the most modern and beautiful in the nation.

The first was Lorimer Chapel. The main chapel, in early New England style, contains an organ built in the classical tradition by Walcker of Ludwigsburg, Germany. Its specifications were drawn up by Albert Schweitzer. The Rose Chapel adjoins the main building.

At the center of the campus is Miller Library, described in the preceding section. The building has recently been renovated and expanded.

The science center consists of three buildings connected as a unit: the Seeley G. Mudd Science Building for physics, geology, and mathematics; the Keyes Building for chemistry; and the David Kenneth Arey Life Sciences Building for biology and psychology. The science library for the center is in Keyes.

The humanities and social sciences are located in the Elijah Parish Lovejoy Building, named for the 1826 Colby graduate who was America's first martyr to freedom of the press. Here are classrooms, faculty offices, laboratories for modern languages and psychology, and an auditorium.

Administration offices are housed in the Eustis Building.

The Bixler Art and Music Center has classrooms, studios, an art and music library, Given Auditorium, rehearsal hall, and practice and listening rooms. The Museum of Art, with the Jetté Galleries and the Marin Gallery, is a major segment of the center. The Lenk Studios, for painting and design, also include workshops for wood and metal sculpture. Emphasis in the College's permanent collection is clearly in the American field, but the British Isles and Europe are represented by paintings, sculpture, prints, and drawings.

Completed in 1976, the Runnals Performing Arts Center features the 274-seat Strider Theater, with orchestra pit and balcony. Above the balcony are control booths for lighting, sound, and projection. Workshop-storage areas and, on two levels, dressing rooms are behind the stage. The second floor has the Dunn Studio for dance.

All academic buildings, selected dormitories, dining halls, theater, student center, art gallery, health center, administration building, and athletic facilities provide access for the handicapped.

Indoor sports facilities are in the physical education and athletic complex and consist of the Wadsworth Gymnasium (badminton, volleyball, and four basketball courts), Alford Ice Arena, the fieldhouse (an eighth-of-a-mile track, a baseball diamond, and four tennis courts), the Dunaway Squash and Handball Courts (consisting of seven singles and one doubles), the swimming pool, saunas, and two weight-training rooms.

Outdoors there are some fifty acres of playing areas: two football fields, one baseball diamond, fourteen tennis courts, three soccer fields, as well as fields for men's and women's lacrosse, field hockey, rugby, intramural competition, and recreation, a quarter-mile track, and cross-country courses for running and skiing. Community facilities include bowling lanes and riding stables.

The entire Mayflower Hill campus has been designated by the Maine legislature as a State Wildlife Management Area. Part of the woodland has been set aside as a wildlife sanctuary, the Perkins Arboretum and Bird Sanctuary, and includes 128 acres.

**Off-Campus Assets** In the Belgrade Lakes area, near Waterville, the College owns the Colby-Marston Preserve, a thirty-four-acre tract containing a kettle-hole bog. The pre-

serve, which is considered a classic example of a northern sphagnum bog, has been classified a Registered Natural Landmark by the United States National Park Service. It is used for teaching and research in the fields of biology, ecology, and geology.

Near the coast, at Head Tide, the College owns the birthplace of Pulitzer Prize-winning poet Edwin Arlington Robinson. Maintained as a memorial, the house is open on specified days each summer for visitors.

The Colby Outing Club manages the Outing Club Lodge on Great Pond in the Belgrade Lakes area for the use of student members.

WCBB-TV, a public television station, is licensed to the Colby-Bates-Bowdoin Educational Telecasting Corporation, formed by the three colleges in 1961. Offices and studios are in Lewiston.

# Campus Life

**Art** The Bixler Art and Music Center is the focal point for the College's art program. Continuous exhibitions of works selected from the permanent collection, as well as original and traveling shows, are to be seen in the Jetté Galleries of the Colby Museum of Art. The permanent collection features American and European painting, sculpture, and graphic art. Special collections are the Harold Trowbridge Pulsifer Collection of Winslow Homer Paintings and Drawings, the American Heritage Collection and the American Painters of the Impressionist Period Collection of Edith Kemper Jetté and Ellerton Marcel Jetté, the Helen Warren and Willard Howe Cummings Collection of American Art, the John Marin Collection, the Adelaide Pearson Collection, the Bernat Collection of Oriental Ceramics and Bronzes, the Langenbach-Pepper Collection of Watercolors by Charles Hovey Pepper, the Weiss Collection of Jack Levine Graphics, and the William J. Pollock Collection of American Indian Rugs and Jewelry (Navaho and Zuni).

The Friends of Art at Colby, organized in 1959, make substantial contributions to the overall art program throughout the year.

The Archives of Maine Art, located at the Bixler Center, is a repository of information and documents about artists in Maine from the eighteenth century to the present.

In addition to the studio courses in the regular curriculum, workshops are maintained for extracurricular activities in ceramics, typography, weaving, and bookbinding.

The Bixler Center also contains painting and sculpture studios and gallery space for exhibitions in the Museum of Art.

**Intercollegiate Athletics** Athletics for men include varsity teams in football, soccer, basketball, hockey, lacrosse, golf, baseball, tennis, cross-country, indoor and outdoor track, swimming, and squash. There are reserve varsity teams for men in football, soccer, basketball, and lacrosse. Rugby is a club sport for men and women.

Varsity teams for women are in field hockey, tennis, cross-country, soccer, swimming, ice hockey, basketball, squash, softball, lacrosse, and indoor and outdoor track. Women's reserve varsity teams compete in field hockey and lacrosse.

The rules that govern intercollegiate sports are those adopted by the athletic conferences in which Colby holds membership. Colby is a member of the New England Small College Athletic Conference, which also includes Amherst, Bates, Bowdoin, Connecticut College, Hamilton, Middlebury, Trinity, Tufts, Wesleyan, and Williams. The College is also a member of the National Collegiate Athletic Association, the Eastern College Athletic Conference, the Eastern Association for Intercollegiate Athletics for Women, and the Maine Association of Intercollegiate Athletics for Women.

**Intramurals** Programs in intramurals are on a coeducational basis; each student is free to engage in the activities of his choice. Competition is organized in touch football, soccer, basketball, ice hockey, volleyball, frisbee, table tennis, skiing, track, squash, swimming, softball, tennis, cross-country, marathon run, and basketball free-throw. Teams are divided into independent divisions, with a point system determining winners of each divisional trophy. Participation by all members of the College community is encouraged.

**Lectures** Throughout the year, outstanding scholars, musicians, and artists visit the campus. The Winthrop H. Smith Visiting Scholars Program invites a speaker for two days to lecture, talk in classes, and meet with students and faculty. Through a grant

from IBM in 1983, the opportunity is provided to the mathematics, physics, chemistry, and administrative science departments, on a rotating basis, to present a lecture of related interest annually. The Clara M. Southworth Lecture examines subjects in environmental design. The Samuel and Esther Lipman Lectureship is devoted to Jewish studies and contemporary Jewish thought. The annual lecture by the Grossman Professor of Economics delves into current economic issues of significance. The Christian A. Johnson Lectures bring to Colby distinguished economists each year. The Lovejoy Convocation annually honors a member of the newspaper profession "who has contributed to the nation's journalistic achievement." The Kingsley H. Birge Memorial Lecture, established in 1982, seeks to bring to Colby distinguished persons to speak on the human experience, human potential, or humane treatment of human beings. The Guy P. Gannett Lectures focus on general subject areas not covered by other established lectures at the College. In addition to these established lectures, speakers are invited to the campus by the Friends of Art at Colby, student organizations, academic departments, and learned societies.

**Music** Musical activities converge in the Bixler Art and Music Center, which contains rehearsal and practice rooms as well as the 400-seat Given Auditorium and an electronic music center. Facilities for musical theater and opera are provided in the Performing Arts Center, while the Alma Morrisette McPartland Music Shell permits the adaptation of Wadsworth Gymnasium for large-scale choral and orchestral concerts. The Gould Music Shell, placed in a natural bowl on the northeast corner of the campus, is available for summer concerts.

Students are invited to participate (with or without academic credit) in the Colby Community Symphony Orchestra, the Colby Chorale, the Colby Band, LoComotion (the Colby jazz band), and the Lorimer Chapel Choir, all under faculty direction. There are also informal student groups: the Colby Eight, the Colbyettes, Tuxedo Junction, and the Colby Early Music Group, among others.

Concerts by visiting artists are presented by the music department, by the Student Association, and by the Colby Community Music Associates, a College-community group, which arranges the Colby Community Music Series and contributes to musical life on the campus.

**Performing Arts** In addition to the courses in dramatic literature offered by the departments of classics, English, and modern languages, Colby provides courses and opportunities for practical experience in all the areas of theatrical production, dance, and music. The Strider Theater, the Dunn Dance Studio, and a small cellar-theater space serve as laboratories for the arts and as performance centers.

The Strider Theater has a flexible stage, shop, makeup rooms, and rehearsal space. Light and sound booths over the balcony command a full view of the stage.

**Radio Colby** WMHB-FM is a student-operated station with a Class D noncommercial license from the Federal Communications Commission. From studios in Roberts Union, the station broadcasts throughout the day and evening during the academic year.

**Religion** Colby College was founded by New England Baptists, and although it does not now maintain a formal relationship with any denomination, the College supports and encourages an ecumenical ministry on the campus. There are Catholic, Jewish, and Protestant chaplains.

**Student Organizations** More than sixty student organizations are chartered by the

College. Academic societies are Phi Beta Kappa, Sigma Delta Pi (Spanish honor society), Chi Epsilon Mu (chemistry), Sigma Pi Sigma (physics), Delta Phi Alpha (German), Pi Sigma Alpha (political science), and Psi Chi (psychology). Student publications include the weekly newspaper, *The Colby Echo*; the yearbook, *The Oracle*; and *Pequod*, devoted to art, literature, and photography.

Service organizations are the Big Brother/Big Sister program, Colby Environmental Council (CEC), and Student Primary Emergency Care System (SPECS).

Other groups include the American Chemical Society, Amnesty International, Bike Club, Chemistry Club, Coffeehouse Association, Colby Dancers, Colby Outdoor Orientation Trips (COOT), Current Affairs Club, Democrats, Deutschklub (German club), Los Subrosa (Spanish club), Entrepreneur Club, Geology Club, Holistic Club (SAVE), International Relations Club (IRC), New World Coalition, Outing Club, Pep Club, Photography Club, Pottery Club, Powder and Wig, Psychology Club, Republican Club, Rowing Club, Men's and Women's Rugby Clubs, Sailing Club, Scuba Diving Club, Sky Diving Club, Student Organization for Black and Hispanic Unity (SOBHU), Strider Speaking Series, Student Arts Festival, Table Tennis Club, WMHB, Winter Activities Association, Women's Group, and Woodsmen's Teams.

Religious organizations are the Canterbury Club, Christian Science Organization, Colby Christian Fellowship, Orthodox Christian Fellowship, B'nai B'rith Hillel, and Newman Club.

There are other clubs and societies described under appropriate catalogue headings. In addition, each class acts as an organization, with elected officers, as do the Commons Councils. Organizations and most activities, including film, lecture, and concert series, are funded through the Student Association. Also, students are appointed by the Student Association to serve on College committees.



# Colby Yesterday and Today

**Colby's History** In 1813, when Maine was still a part of Massachusetts, a group of Baptists secured a charter for the Maine Literary and Theological Institution, and in 1815 received a grant of land on the Penobscot River. Subsequently permitted to erect the institution on a site other than the land grant, they chose a tract in Waterville on the west bank of the Kennebec, where in 1818 the Reverend Jeremiah Chaplin began instruction of seven theological students.

The first legislature of Maine in 1820 granted the institution the right to confer degrees, and in 1821 changed the name to Waterville College, with Jeremiah Chaplin as the first president. William King, Maine's first governor, had been instrumental in securing the original charter, and was himself for many years a member of the board of trustees.

When the Civil War threatened to force closing of the College, the struggling institution was saved by a generous gift from Gardner Colby, a prominent Baptist layman of Newton Centre, Massachusetts, and in 1867 the grateful trustees changed the name to Colby University. In 1899, sensing that the College had never become a university in fact, the board changed the name to Colby College.

In the first class receiving degrees in 1822 was George Dana Boardman, pioneer of a long line of Colby missionaries to foreign lands. A graduate in 1826 was Elijah Parish Lovejoy, who suffered martyrdom for the cause of freedom of the press when his persistent antislavery articles led to his death at the hands of a mob in Alton, Illinois, at the age of thirty-four.

Colby was the first formerly all-male college in New England to become coeducational. The College first admitted women in 1871, when Mary Low was the lone female student. By 1890 the number had so increased that President Albion Woodbury Small proposed, and the trustees adopted, a system of coordination, providing for men's and women's divisions with separate classes. In time coordination changed to coeducation, and Colby is now officially a coeducational college.

After World War I, Colby found its campus confined to thirty crowded acres hemmed in by the tracks of the Maine Central Railroad. On the campus were ten buildings, while six others sprawled into the downtown area. In 1930 the trustees voted that "as soon as feasible" the College must move to a new site.

For twenty years after this decision, President Franklin Winslow Johnson led a campaign to move the College, despite the obstacles of a great depression and World War II. Colby was gradually transferred, between 1943 and 1952, to its new site on Mayflower Hill, on land given by the citizens of Waterville.

In 1942 Dr. Johnson was succeeded by President J. Seelye Bixler, who for eighteen years extended and solidified the program on the new campus, securing national acclaim. During the presidency of Robert E. L. Strider II, 1960-79, Colby strengthened its academic programs through faculty development, tripled the College's endowment, and added eleven new buildings, including a science complex, a performing arts center, and an art and music center.

In September 1979 William R. Cotter, graduate of Harvard College and Harvard Law School, was inaugurated as Colby's eighteenth president. He came to Colby with a background that included experience in international educational exchange, appointments in Nigeria and Colombia, research, a year as a White House Fellow, and several years of private law practice. His presidency has been characterized by an emphasis on increasing informal contact between students and faculty, strengthening the advising system, and creating a new program of overseers and visiting committees to ensure

quality and to afford an additional outlet for the expression of faculty and student concerns. Recent curriculum review has resulted in a modification of the January program, increased emphasis on computer offerings, interdisciplinary teaching for both freshmen and seniors, and strengthening of off-campus programs.

The growth of Colby since the transfer to Mayflower Hill has been striking. There are now forty-two buildings and several playing fields. Enrollment has risen from 600 to 1,600, and students come from forty states and many foreign countries. The faculty, numbering fifty-six in 1940, now is 148. Endowment has increased from three million to forty-five million dollars. The physical expansion has been accompanied by growth in variety and quality of the curriculum.

#### Presidents

1817-1833	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-	WILLIAM R. COTTER

**Colby Today** Colby is a coeducational undergraduate college of liberal arts committed to the belief that the best preparation for life, and especially for the professions that require further specialized study, is a broad acquaintance with human knowledge rather than narrowly concentrated training in limited areas. Colby is concerned with ideas and values as they are inherited from the past, as they are perceived in the present, and as they may be developed in the future.

In addition to a comprehensive investigation of our heritage, Colby students are urged to explore through their elective courses and to concentrate by choosing a traditional or interdisciplinary major.



# Academic Program

Academic Requirements 29

Academic Programs 35

Academic Procedures 40

Courses of Study 44



# 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 of Independent Study. Only those seniors who have met all graduation requirements are eligible to participate in the commencement exercises. The following statements define the graduation requirements:

**Residence Requirements** Candidates for the degree must earn in residence at least 60 credit hours with a 2.00 cumulative average. 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.

Credits earned at another institution while concurrently registered at Colby may not be applied toward graduation requirements.

**Quantity Requirements** A minimum of 120 semester credit hours.

**Credit Requirements** Among the 120 credit hours required for graduation, up to 15 may be earned in courses taken on a pass/fail basis, and up to 15 may be praxis credits. Praxis credits include both practical and performance activities, and can be earned as field experience or in courses which are identified in their descriptions as carrying praxis credit.

**Quality Requirements** A minimum of 240 points earned in 120 semester credit hours. For students entering Colby in September 1983 and later: 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.

No points are earned:

for marks below D-.

Two points are earned:

for each hour of Cr in nongraded courses.

## Distribution Requirements

### All-College Requirements

*English Composition and Literature*: Six credit hours. This requirement will be met by English 115 and 152.

*Foreign Language (modern or ancient)*: This requirement may be met in one of three ways:

(1) By attaining before entrance a score of 60 in a College Board foreign language achievement test.

(2) By successfully completing Colby's intensive language program in Cuernavaca, Mexico, or in Florence, Italy (open to incoming freshmen in the fall semester).

(3) By successfully completing a sequence of modern or classical language courses terminating with a course numbered above 123 in a modern language, or Greek 131 or Latin 232. Students will be placed in the sequence according to ability.

Transfer students who have studied a foreign language not taught at Colby may fulfill the requirement by presenting evidence of having completed at an accredited institution, and with acceptable grades, the equivalent of a fourth semester of college study of that language. For foreign students whose native language is not English, knowledge of that language will be recognized as fulfilling the requirement, subject, in certain cases, to testing by the department of modern foreign languages.

#### Division Requirements

A minimum of six credit hours in each of the divisions described below. Three of the credit hours in the natural sciences must involve laboratory experience.

*Division of Humanities* (Chairman, ASSOCIATE PROFESSOR DAVID L. SIMON):

Art

Classics (except Ancient History)

English (except 111, 115, and 152)

Greek

Latin

Modern Foreign Languages (above the intermediate level)

Music

Performing Arts

Philosophy 372

Religion (all courses except 235)

*Division of Social Sciences* (Chairman, PROFESSOR JAMES MEEHAN):

Administrative Science

Ancient History

Anthropology

Economics

Education

Government

History

Philosophy (all courses except 372)

Psychology

Religion 235

Sociology

*Division of Natural Sciences* (Chairman, ASSOCIATE PROFESSOR DAVID FIRMAJE):

Astronomy

Biology

Chemistry

Computer Science

Geology

Mathematics

Physics

*Division of Physical Education:*

One year of physical education is required for graduation.

**Major Requirement** Near the end of the freshman year, each student elects a tentative major in an area of concentration. The 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 reexamine their choice of major during the sophomore year.

The respective academic departments and programs specify the courses constituting a major in each department or program. Before selecting a major, the student should read thoroughly the requirements 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 must be obtained from and returned to the registrar's office.

Any student whose major average falls below 2.00 has lost the right to continue with that major. A student who has thus lost the major may, with the consent of the department or program concerned, be accepted or retained for one semester as a probationary major. No student other than a freshman may continue at the College without good standing in a major. Each department or program designates the courses to be calculated in the major average.

A student may change majors at the end of the junior year if the equivalent of at least 12 credit hours, with the required points, have been earned in the new major. If, in the senior year, the cumulative points in courses completed toward the major fall below the required number, the major requirement is not fulfilled, and the degree cannot be awarded.

**Majors Offered** The College offers majors in the following concentrations:

Administrative Science	Government
Art	History
Biology	Mathematics
Chemistry	Music
Classics	Philosophy
Economics	Physics
English	Psychology
French	Religion
Geology	Sociology
German	Spanish

Specific options are available within the majors in biology, chemistry, economics, geology, government, and sociology.

**Combined Majors** Majors are offered in the following combined areas:

Administrative Science-Mathematics	Geology-Chemistry
Classics-English	Philosophy-Mathematics
Classics-Philosophy	Philosophy-Religion
Economics-Mathematics	Psychology-Mathematics
Geology-Biology	

**Interdepartmental Majors** Approved interdisciplinary majors are offered in the following areas:

American Studies	Human Development
East Asian Studies	Performing Arts

Major requirements are outlined in the section "Courses of Study."

**Independent Majors** A student may design an independent major by presenting to the associate dean of the college a detailed written proposal, prepared with the support of an adviser who agrees to assume responsibility for the program throughout its course.



Normally there will be at least one other adviser who will help to shape and direct the program. The program must include integrated course work representing from one quarter to one third of the total credit hours required for graduation and an independent study in the senior year. Implementation requires the written approval of the independent major board, which is made up of the associate dean of the college, two faculty members elected from each division, and two students appointed by the Student Association. An annual report is required from each independent major and adviser, which will include any minor changes in the program; substantial changes, or a change of adviser, must be referred to the board.

**January Program of Independent Study Requirement** The January Program of Independent Study, 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.

Because the January program assures most students considerable flexibility in 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.

To be eligible for graduation, each student must complete three January programs if in residence for four or more first semesters, or two if in residence for three or fewer first semesters. Freshmen are required to take January courses and are given preference in 100-level and most noncredit programs. Upperclass students may take courses or pursue independent study. The addition in 1982 of credit options for the January program allows students to reduce the number of credits for which they must register during semesters.

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 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. Praxis credits, either graded or nongraded as in (1) above, earned through field experience or internship 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 where 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.

To enable students, in consultation with their advisers, to plan their curricula for the year, descriptions of courses to be offered in January will be available during the election of course period for first semester.

Registration for the January program takes place in October. 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 on the registration form. Except under unusual circumstances, no more than one January program may be taken each year. Initial registrations, as well as any subsequent changes of January program registrations, must be properly filed at the registrar's office. Appropriate deadlines for the pass/fail option in January are established each year.

**Exemption by Examination** When appropriate, either all-college or division requirements, as well as certain requirements for the major, may be absolved by examination without course enrollment, at the discretion of the department concerned. Regularly enrolled students may earn credit by examination in freshman- or sophomore-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.

**Transferred Credits** Courses taken at other 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. In addition to the conditions listed below, restrictions detailed in the section "Residence Requirements" (q.v.) should be read with care.

- (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 College.
- (2) College-level courses taken by freshmen prior to matriculation are evaluated on the same basis as courses presented by new transfer students.
- (3) Students on approved foreign study or student exchange programs will receive credit under terms specified by the committee on foreign study and student exchange programs.
- (4) Credits earned in summer school or while on leave of absence may be transferred if approved by the appropriate Colby department; forms for this purpose can be obtained at the registrar's office and should be filed prior to taking the course. No student may receive credit toward graduation for more than 14 credit hours taken in summer school for the purpose of making up deficiencies incurred at Colby.
- (5) When a student who has been dropped from the College applies for readmission, courses taken during the period of separation are examined for transferable credit on the same basis as courses presented by new transfer students.

**Requirement for Returning Students** 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.

**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, con-

sult the registrar's office. Each student must also be aware of deadlines set within each academic year that pertain to academic actions; these are distributed at each registration period as "Critical Dates."

**Academic Honesty** Plagiarism, cheating, and other forms of academic dishonesty are serious offenses. The instructor may dismiss the offender from the course with a mark of *F* and may also report the case to the department chairman and the dean of students, who may impose other or additional penalties. A student is entitled to appeal charges of academic dishonesty to the appeals board, which shall recommend action to the president of the College. Students are subject to suspension from the College whenever they are found guilty of academic dishonesty.

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.

# Academic Programs

**Senior Scholars** This honors program permits a limited number of seniors to devote six credit hours per semester to a project approved by the senior scholars committee and pursued under the guidance of a faculty member. A final report is judged by three faculty readers and, upon successful completion, the senior scholar's report is deposited in the College library. Senior scholars are cited in the commencement exercises.

**Exchange Programs** Colby participates in student exchange programs with Fisk University in Tennessee, Howard University in Washington, D.C., and Pitzer and Pomona colleges in California. 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. Students may obtain information about exchange programs from the committee on foreign study and student exchange programs.

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

**Interdisciplinary Studies** Interdisciplinary studies are governed by the Interdisciplinary Studies Council, Professor Charles Bassett, chairman. The council is comprised of the chairmen of the interdisciplinary programs.

Interdisciplinary studies offer three unique options. These options are the major, the concentration, and the course cluster.

An interdisciplinary studies program that offers a major has put together a highly structured, integrated curriculum involving courses from two or more departments together with those that might be offered by the program itself. Interdisciplinary studies are offered in the following areas:

American Studies	Human Development
East Asian Studies	Performing Arts

Concentrations involve a coherent program of interdisciplinary studies, including a final integrating experience. Successful completion of a concentration will be noted on a student's transcript. Concentrations are offered in the following areas:

Education	Public Policy
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Course clusters are four or more courses, in two or more departments, that share a perspective or subject matter but for which no formal synthesizing experience is provided. Course clusters are offered in the following areas:

Black Studies	Women's Studies
Legal Studies	

Information about courses included in each of the above options appears in the section "Courses of Study" under the specific heading.

**Foreign-Language Semesters Abroad** Colby offers the opportunity for incoming freshmen to satisfy the College's language requirement by living abroad and studying the language intensively. These programs are open to freshmen and some upperclassmen during the fall semester. Two programs will be in operation for 1984-85:

*Colby in Cuernavaca:* Now in its third year, this program allows students to learn Spanish in Cuernavaca, Mexico. Students reside with families, attend intensive language courses, and have a full schedule of excursions. The program is under the supervision of the resident director, Professor Henry Holland of the department of modern foreign languages.

*Colby in Florence:* This program enables freshmen to learn Italian in Italy, and to study the rich artistic heritage of Florence and of other parts of the country. It is directed and supervised by Professor Charles Ferguson of the department of modern foreign languages.

Students desiring more information on these foreign-language semesters should contact the admissions office or the office of modern foreign languages.

**Junior Year Abroad** While students can find at Colby the courses needed for most liberal arts majors, many are attracted by the opportunity to study abroad. Students of modern languages and literatures may want to spend a year in the country whose language they are studying. Art majors may want to study important works of art and architecture at first hand. Government, history, and economics majors may want to study in, as well as about, certain countries. American studies majors may want to gain a different perspective on their studies. Such programs are generally undertaken during part or all of the junior year.

Colby offers its own programs in France and Spain (see "Colby in Caen," "Colby in Salamanca" below). For other programs, the College requires that students attend a recognized foreign university and be fully integrated into that university's program of study. Proposals to study abroad must be approved by the students' major departments and by the committee on foreign study. This approval must be obtained before the period of study abroad if credit is to be transferred. Although the committee's deadline for application is April 15 (November 15 for study abroad second semester), students should begin inquiries much earlier. Some foreign universities have application deadlines as early as December 1, while others will not accept applications until early March. A grade point average of 2.7 is required for most of the programs. Some foreign universities require a higher average. The coordinator of foreign study and faculty advisers on study in various countries can provide information about universities and will assist students with their applications.

Students on financial aid continue to receive that aid if the committee on foreign study approves their programs. For other financial possibilities, students should talk with the director of financial aid.

Some of the programs for foreign study offered by the College or available to Colby students are:

*Colby in Caen:* Colby offers a Junior Year Abroad program, in conjunction with Washington University in St. Louis, at the Université de Caen in France. Following a six-week orientation session in Paris (six credits), students begin classes in Caen, taking, normally, eight semester courses (24 credits), at least four of which are selected from a core program consisting of regular university courses supplemented by a weekly class meeting conducted by the course professor for the Colby group alone. In completing their curriculum, students are free to enroll in any course offered in any division of the university. A faculty member from Colby or Washington University is in residence in Caen, serving as academic and personal adviser to the students in the group. Grades are assigned by the resident director after consultation with the faculty at Caen and appear on students' transcripts as Colby credits.

In addition to group excursions in the Paris area and in the provinces, students are encouraged to take part in French life through contact with host families, work in the Caen public school system, and activities organized by the Comédie de Caen, the Oratorio (Caen's chorale), the École des Beaux Arts, and the Conservatoire de musique.

The program is designed to provide an intensive language experience. All meetings and courses are conducted exclusively in French. Students are expected to speak only French while in France.

Further details are available from the modern foreign language department. The deadline for application is December 1.

*Colby in Salamanca:* The Colby in Salamanca-Junior Year Abroad program is an integrated academic and cultural experience designed for the motivated student who has a good command of the Spanish language. The formal academic program is comprised of two parts: a four-week orientation program in September, taught by the faculty of the University of Salamanca, and academic course work from October to mid-June.

Although students may enroll in or audit any course at the University of Salamanca, Colby and the University have developed a core curriculum for the American student, covering art, history, literature, and social or political science. In these disciplines the Colby in Salamanca participants, without their Spanish peers, attend weekly a fourth hour of class with their professors. In addition, teaching assistants will be available to help Colby in Salamanca students.

A Colby faculty member serves as resident director of the program. Grades will be assigned by the director in consultation with the faculty at Salamanca and in accordance with the Colby grading system.

Participants live with private families during the orientation period and in university dormitories during the academic year.

Colby in Salamanca students have the option of taking only one semester's work, in which case the grade achieved on the mid-year examination is considered a final grade.

For further information, consult the department of modern foreign languages.

*Study in Asia:* The Associated Kyoto Program (AKP) is a Junior Year Abroad program associated with Doshisha University in the ancient capital of Kyoto, Japan. Colby is one of 12 liberal arts colleges that jointly oversee the operations of the program. In Japan, the program is directed by a senior Japanologist drawn from one of the member institutions. Study of the Japanese language is required. In addition to a seminar taught by the director, students have the option to study Japanese culture, history, literature, economics, politics, and religion. Students are also assisted in selecting the appropriate university club for participation in cultural and/or athletic activity. Students are required to live with a Japanese "home-stay" family for the first semester. All credits are transferable to Colby.

Colby is directly involved in the China Cooperative Language Program sponsored by the Council on International Educational Exchange in the People's Republic of China. For information, see the director of East Asian studies.

Colby is a member of the Intercollegiate Sri Lanka Education (ISLE) consortium, which makes possible a semester of study at Colombo and Kandy, Sri Lanka. The program features courses in the history, language, religion, and culture of Sri Lanka and South Asia, operates from mid-August through November, and carries one semester's course credit for a cost approximately the same as a semester at Colby. Details are available from the department of philosophy and religion.

*Study in the British Isles:* The College has admissions arrangements with some British universities: Manchester College Oxford; University College and the London School of Economics in the University of London, the Universities of Sussex and York, and, more informally, the University of Warwick. A number of other universities accept qualified Colby students. In the last year alone, students have attended the universities of Edinburgh, Aberdeen, and St. Andrews in Scotland and the universities of East Anglia, Reading, Kent, Essex, and Nottingham in England, in addition to those previously mentioned. Information on these and other universities is available from the coordinator of foreign study.

*Study on the Continent of Europe:* In those countries where Colby does not have a program of study, students normally attend through programs conducted by other

American universities. Wesleyan and Syracuse University are among those that have programs in Austria, Germany, and Italy. Programs are also available at the Pushkin Institute in Moscow. Information is available from the coordinator of foreign study and from the department of modern foreign languages.

*Study in Canada:* Some students attend the University of Toronto, McGill University, and other Canadian universities through an exchange program administered by the University of Maine at Orono. Details are available from the coordinator of foreign study.

**Off-Campus Programs** Qualified students may earn academic credit by undertaking off-campus field experiences as participants in approved programs or by obtaining faculty sponsorship of an individual project or course of study. Such field experiences may supplement regular course work while in residence at the College, be done while on leave from the College, or can be completed in January or in the summer. Students must submit appropriate applications or a formal proposal for individual projects to the field experience coordinator in advance of the start of the experience. In some cases, students earning Colby credits in such programs are charged an administrative fee.

The Colby in Washington semester is designed to provide an academically rigorous and pedagogically diversified intellectual and cultural experience for Colby students. The program is run in cooperation with the Washington Center, with direct oversight by a Colby faculty member who will be in residence in Washington. Students with a variety of majors will be able to take advantage of the program. Each spring, from the beginning of February to mid-May, a curriculum consisting of one seminar, a tutorial or independent project, and a 35-hour-per-week internship will be offered for 15 credit hours. This program will be open to a maximum of 15 students from the junior and sophomore classes. Application deadline for spring semester is September 26, 1984. For more information contact the office of the associate dean of the College.

An opportunity is also provided for a limited number of Colby students in their sophomore and junior years to participate in the various Washington Semester Programs organized by The American University in Washington, D.C. Through these programs, students can obtain first-hand knowledge of the national government as it deals with the crucial problems of foreign policy, economic policy, criminal justice, and urban affairs.

Colby is one of several institutions participating in the Williams College-Mystic Seaport Program in American Maritime Studies, a one-semester program offering courses in American maritime history and literature, marine policy, oceanography, and marine ecology. Twelve days are spent at sea on a sailing vessel. In addition to formal course work, students develop maritime skills (e.g., celestial navigation, boat building, small-boat handling) under professional instruction. The program is accredited through Williams College.

In addition to these programs with which Colby has direct affiliation, information on a wide variety of other field experience opportunities is available in the Career Services Library, Roberts 248.

**Computer Resources** Plans developed by the faculty and endorsed by the trustees call for a significant increase in the use of computers in the curriculum during the next several years. New faculty appointments enable Colby to offer instruction in computer science, and key courses have been identified which introduce students to uses of computers in several disciplines. Computer literacy for all graduates is an objective. Facilities have been greatly expanded during the past year and now provide highly sophisticated but very approachable computing to a large number of simultaneous users. About 120 terminals in many locations on the campus are connected through a data communi-

cations network to two Digital Equipment time-sharing systems at the computer center. A Digital Equipment VAX-11/780 runs the UNIX\* operating system, and a Digital Equipment PDP-11 runs RSTS/E. Users may program in C, Pascal, FORTRAN-77, BASIC, LISP, or other languages, or they may run existing programs for statistical analysis, dynamic modeling, text processing, data-base manipulation, or specific course-related exercises. Seven color and four black-and-white CRT terminals and printers provide for the display of computer-generated graphics and are supported by a growing library of program routines to make their use easier. Every student who asks for an account has free, unlimited use of these resources for any noncommercial purpose.

\*UNIX is a trademark of Bell Laboratories.



# Academic Procedures

**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.

Each freshman has a faculty adviser to assist in planning the academic program. A new faculty adviser is assigned at the end of the freshman year when the student has tentatively selected a major.

Prospective students frequently ask what subjects they will study—especially in the freshman 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 students 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 assure distribution among the divisions mentioned above, first-year students must include English composition and literature, a foreign language (unless exempted by examination), and courses to meet requirements in the humanities, social sciences, and natural sciences. Students are encouraged to elect subject areas that are new to them and are advised to avoid overconcentration in any department or division.

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

**Academic Standing** A student's class standing is determined by the number of credit hours passed.

*Freshman standing:* fewer than 24 credit hours.

*Sophomore standing:* 24 to 53 credit hours.

*Junior standing:* 54 to 83 credit hours.

*Senior standing:* 84 or more credit hours.

**Registration** Registration each semester takes place on a date specified in the College calendar.

In exceptional circumstances specified in advance in writing by the dean of students, a student will be permitted to register later than the seventh class day of each 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.

**Election of Courses** Each semester, with the approval of their advisers, students elect programs of study for the following semester; these elections, with approved revisions, are confirmed during the registration period at the beginning of each semester. A student's academic program must have the adviser's approval and be properly filed with the registrar before credit will be granted for any course taken. Until the eighth class day of the semester, and with the adviser's approval, voluntary changes in a student's program may be made. Any such changes must be filed with the registrar's office on the appropriate (add/drop) form.

Changes of section within a course must be approved by the department or course chairman, and are subject to the same deadlines as changes of course. Ordinarily, a course cannot be repeated for additional credit nor may a student register for two courses scheduled to meet concurrently.

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 adviser(s) and the dean of students.

**Marks** A student may obtain marks from instructors, but the only official college record is that maintained in the registrar's office. Grade reports are issued in duplicate to the student at the end of each term; the College does not normally furnish parents with reports.

*In regularly 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:* During the semester, Cr indicates credit is earned; NC is recorded if credit is not earned. During January, Cr indicates credit for program; F is recorded if no credit is earned.

*Abs* signifies absent from final exam.

*Inc* signifies incomplete; a course is not finished for some reason besides failure to take the final exam. A mark of *Inc* is valid only if appropriate arrangements have been made by the student with the instructor by the last class day of the semester.

Grades of *Abs* or *Inc* must be made up within limits set up by the instructor but not later than January 15 for the first semester or July 1 for the second semester. After these dates, any remaining mark of *Abs* or *Inc* will be changed to F unless the student has applied for, and circumstances warrant, an extension by the dean of students. For the completion of work without penalty, extensions are considered for exceptional circumstances only.

Marks of *W* and *WF* indicate withdrawal from a course and represent the student's standing at the time of withdrawal. *WF* indicates that the student was failing. *W* indicates either passing or no basis for judgment. These marks are excluded from computation of all averages. Withdrawal is permitted through the final class day of the term.

*F* indicates failure or abandoning a course without permission.

**Pass/Fail** Students may elect a limited number of courses on a pass/fail basis; these cannot include distribution requirements. Most departments specify that major courses must be taken on a conventionally graded basis.

Forms for declaring pass/fail options can be obtained at the registrar's office. The form must be completed and returned by the end of the change of course period in the term in which the course is taken. A pass/fail election may be voluntarily revoked by a deadline established for each term. Letter grades submitted by instructors will be converted to *P* (for grades A through D-) or *NP* before being posted on permanent records. The registrar's office cannot release more specific information on the quality of the *P*, even upon request of the student who earned it.

**Auditing Courses** A Colby student may register to audit courses (not for credit) by obtaining written consent of the instructor and adviser. No auditing fee is charged, and the audit is not recorded on the student's permanent record.

Adults who are not students of the College may register to audit courses at a fee of \$5

for each credit hour, provided they obtain written consent of the instructor and of the dean of admissions; the fee is waived for persons 65 years of age or older. Members of the College staff and their spouses may audit courses without charge.

Forms for registering to audit courses must be obtained from 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.

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 merely by paying the regular course fee. The decision whether the course is to be audited or taken for credit must be made at entry.

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

**Semester Exams** Six days are set aside at the close of each semester for exams in all courses. 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 chairman.

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 of a valid conflict *on the appropriate form, e.g.,* 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.

**Reading Period** During the two weeks preceding the final examinations at the close of the second semester, a special reading period is scheduled for many courses numbered in the 300's and 400's. Not a time for review, this period frees the student from the routine of class meetings so that full time may be devoted to independent study of freshly assigned reading or laboratory work. Although classes do not meet, instructors are available for consultation. Reading-period assignments are tested in the final examinations to a maximum of one third of the examination time.

Whether to have a reading period is decided by each instructor, who informs students whether classes are to continue meeting during the two weeks. Reading periods are not held in courses exempted from final examinations.

**Warnings** Throughout the semester, at the discretion of the professor, warnings are sent to students. A *major* warning means that a student's average is below passing; a *minor* warning means that a student's average is barely passing.

**Probation** Students who earn fewer than 12 credits or less than a 2.0 grade point average in any semester, exclusive of the January program, are subject to being placed on probation or being dismissed from the College by the committee on academic standing.

A student who is on probation will be required to earn 12 credits and a C (2.0) 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 close of the second semester. 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 have the approval of the dean of students.

**Withdrawal, 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 special approval. 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 financial aid committee.

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. Those who do poorly in study programs elsewhere are, however, subject to review and action by the committee on academic standing.

Such withdrawals or leaves must be officially accomplished by filing the appropriate form, which must be obtained from and signed by the dean of students. The proper exit procedure, which includes the surrendering of the student's identification card and dormitory keys, must be followed to be eligible for any refunds that may be due (see "Refunds"). A student who leaves without official notification is not eligible for refunds, which are computed from the date on the approved notice.

**Transcripts** Students and alumni may have official transcripts mailed to other institutions, prospective employers, or other designated recipients only by requesting them in writing; a transcript request form is available at the registrar's office. The fee for this service is \$1 per transcript after the first. Only courses taken at Colby are listed.

# Courses of Study

## Key to Symbols and Methods of Course Designation

Each course is known by a title, subject, and number: e.g., *American Art is Art 271.*

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

000: noncredit January programs; freshmen have priority unless otherwise noted.

100: open to freshmen.

200: ordinarily open to sophomores and classes above.

300: ordinarily open only to juniors and seniors.

400: ordinarily restricted to seniors.

An odd number as the *second digit*: an independent semester course.

An even number as the *second digit*: either of a pair of closely related semester courses *not* usually taken out of sequence, the first of which is prerequisite to the second.

An odd number as the *third digit*: course is given in the first semester.

An even number as the *third digit*: course is given in the second semester.

*d* with a course number: course is given each semester.

*d* with a 1 or 2: course is given out of semester sequence.

*j*: January program offering in current year.

[ ]: course not offered in current year.

†: course will *probably* be offered in following year.

\*: course will *probably not* be offered in following year.

Time and place of classes: a schedule of hours and rooms for courses listed in this catalogue is available at the registrar's office at registration periods.

Courses listed are subject to withdrawal at the discretion of the College administration.

*Credit hours shown are per semester unless otherwise noted.* Courses listing variable credit are offered primarily for the smaller number of credits. Students can earn augmented credit in these courses by completing such extra work as the instructor may specify. Subject to stricter deadlines as may be specified by the instructor, credit can be increased in a variable-credit course until midsemester or decreased until the last class day of the semester.

## Administrative Science

*Acting Chairman*, PROFESSOR YVONNE KNIGHT

*Professor Knight; Associate Professors Myles Boylan<sup>1</sup> and Donald McCarty; Visiting Associate Professor David Fearon; Assistant Professors Laurence Richards<sup>1</sup>, John Bubar, Frederick Gautschi<sup>1</sup>, and Peter Nye*

The administrative science major provides a broad exposure to the art and science of decision making in a variety of organizational settings. The program of study places emphasis on analytical and creative thinking as well as the requisite communicative

skills. Course requirements are eclectic, drawing on the resources of other departments at Colby, and often complement the diverse interests a student may have. Many students select a dual major or the combined major in administrative science-mathematics.

Both public and private organizations are entering an era of sophisticated computer and communications technology. As this technology is integrated into an already complex political-social-economic environment, the importance of developing the skills necessary to manage organizations with wisdom and moral responsibility is as great as ever. The department is dedicated to applying intellectual rigor, sound value judgment, and imagination to the analysis of organizational problems and to the synthesis of multidisciplinary ideas for the design of administrative systems.

#### Requirements for the Major in Administrative Science

Administrative Science 221, 222, 321, 322, 413, 494; Mathematics 241, 242, or 381, 382, or 231 and one additional semester course selected from Mathematics 113, 121, 122, 221, 222; Economics 131, 132; two semester courses in psychology or Sociology 121, 122; two semester courses in philosophy; two semester courses selected from the following: additional courses in administrative science, Economics 233, 234. No administrative science course may be taken pass/fail. None of the collateral courses used to satisfy major requirements may be taken pass/fail.

The point scale for retention of the major applies to all administrative science courses taken, and to Economics 233, 234, when these courses are used to satisfy major requirements.

#### Requirements for the Major in Administrative Science-Mathematics

Administrative Science 221, 222, 321, 322, 413, 494; either Administrative Science 313 or 372; Economics 131, 132; at least six semester courses in mathematics, including 221, 222, 381, 382; two semester courses in psychology or Sociology 121, 122. Two courses in philosophy are recommended but not required. None of the courses required for the major may be taken pass/fail.

The point scale for retention of the major applies to all courses in administrative science and mathematics.

<sup>1</sup>On leave full year.

**221, 222 Accounting** The underlying theory and analytical aspects of accounting as a control device and tool of management, including an examination of the role of accounting in modern society—its relationship to law, economics, and social policy. *Three credit hours.* MRS. KNIGHT AND MR. BUBAR

**[231j] Technology, Corporate Strategy, and Competition** An examination of analytical and empirical research focused on the interactions between scientific progress, technological opportunities, competitive pressures, corporate strategy, and public policy towards science and technology. Consideration is given to (1) the technological evolution of industries and interactions with corporate strategy, (2) the role of science in promoting technological progress, and (3) the impact of public policies intended to increase the speed of diffusion of new technologies and encourage a more rapid pace of innovation. *Prerequisite:* Economics 132. *Three credit hours.*

**271d2 Introduction to Decision Making** An examination of analytical, organizational, political, and cognitive theories of decision making. Consideration is given to risk and cost-benefit analysis, computer models, ethical decision making, group choice, and creativity. A case approach is used to enable students to apply theory to complex policy problems. *Prerequisite:* A concurrent course in statistics. *Three credit hours.* MR. BUBAR

†[272] **The Computer and Decision Making** The philosophy, theory, and practice of computing as it applies to administrative decision making. The role of the computer as an intellectual tool is critically examined in the context of its current and potential societal applications. Consideration is given to programming techniques, management information systems, artificial intelligence, systems analysis and design, and decision support systems. *Prerequisite:* Administrative Science 271 or 313. *Three credit hours.*

[313] **Introduction to Cybernetics** The science of communication and control. Concepts to be studied include change, information, feedback, variety, regulation, structure, environment, survival, adaptation, stability, self-organization, intelligence, paradox, self-reference, and autonomy. Applications to communications and control processes in organizations and the design of administrative systems are considered. *Prerequisite:* Mathematics 121. *Three credit hours.*

321, 322 **Finance** An analytically structured approach to decision making in the financial area. Money and capital markets are considered. *Prerequisite:* Administrative Science 221, 222 and Economics 131, 132 or permission of the instructor. *Three credit hours.* MR. NYE

333 **Marketing** Development of the broad concept of marketing as an all-pervasive organizational and societal function, both domestically and internationally. *Four credit hours.* MR. NYE

334 **Administration of Public and Social Service Organizations** An introduction to the theories and methodologies utilized in the administration of public and social service organizations: federal, state, and local government units, health care and educational institutions. Emphasis placed on the management tools and skills that best enable the organization to perform its function efficiently and effectively in an environment of constantly changing social and economic values. *Prerequisite:* Administrative Science 221, 222, or permission of the instructor. *Three credit hours.* INSTRUCTOR

†[336] **Political and Social Environment of Businesses and Other Institutions** Relationships between the private sector and the changing sociopolitical environment in the American political economy, relationship between business and other institutions, influence of business on public values and policies, and the emerging characteristics of the sociopolitical environment. *Three or four credit hours.*

341, 342 **Advanced Accounting** Advanced study of accounting theory, with stress on analytical, interpretative, and managerial aspects of the subject. Concepts relating to major current accounting questions are examined. *Prerequisite:* Administrative Science 221, 222. *Three credit hours.* MRS. KNIGHT

353 **Managerial Economics** The application of scientific methods, with an emphasis on economic modeling techniques, to administrative analysis and planning. Topics include decision theory, forecasting, demand analysis, cost estimation, pricing, promotion, productivity, and capital budgeting. *Prerequisite:* Administrative Science 221, 222 and Economics 131, 132. Mathematics 121 and 241 are recommended. *Three credit hours.* MR. NYE

†[354] **Law** The processes of law that underlie personal and institutional relationships. *Four credit hours.*

**371 Operations Analysis and Design** The study of concepts and tools for the analysis and design of sociotechnical operations. Applications in governmental, industrial, and service organizations are examined; economic planning, information and control, logistics and the human-machine interface. *Prerequisite:* Economics 131, 132 and Mathematics 231 or equivalent. *Three credit hours.* MR. MCCARTY

**372 Operations Research** The application of scientific methods to the study of organizational operations. The design of a research study and the process of model building. A research project is required. Students primarily interested in basic tools, as opposed to advanced methodology, should take Administrative Science 371. *Prerequisite:* Mathematics 121 and 231 or equivalent. *Three credit hours.* INSTRUCTOR

**411 The Consumer in Society** Consumer behavior is examined within the framework of the financial and social institutions that comprise our complex society. Emphasis is given to those aspects related to financial goals, alternatives, and decisions. *Three credit hours.* MRS. KNIGHT

†[412] **Investments** Traditional concepts of investment analysis and an examination of recent scientific research on securities markets and other investments. Aberrations in market behavior due to crowd psychology are considered. *Prerequisite:* Administrative Science 221, 222, 321, 322. *Three credit hours.*

**413 Organizational Behavior** This course utilizes a historical and sociological orientation as it examines the existing empirical data and theoretical concepts dealing with the behavior of people in business and other organizations. *Three credit hours.* MR. FEARON

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

**494 Senior Seminar** Topics concerned with the broad administrative spectrum. Choice depends upon the interest and needs of the particular class. *Prerequisite:* Administrative Science 221, 222, 321, 322, 413, and two additional semester courses in administrative science or from the approved group (see major requirements). *Four credit hours.* FACULTY

## American Studies

*Director,* PROFESSOR CHARLES BASSETT

*ADVISORY COMMITTEE:* Professors Bassett (English), Joel Bernard<sup>1</sup> (History), Patrick Brancaccio<sup>1</sup> (English), Dallas Browne (Anthropology, Black Studies), Fraser Cocks (Special Collections), Frederick Geib<sup>2</sup> (Sociology), Henry Gemery (Economics), Natalie Harris (English), Peter Harris (English), Yeager Hudson<sup>1</sup> (Philosophy), Jane Hunter<sup>1</sup> (History), Thomas Longstaff<sup>1</sup> (Religion), David Lubin (American Studies and Art), Paul Machlin (Music), Calvin Mackenzie<sup>1</sup> (Government), Sandy Maisel (Government), Phyllis Mannocchi (English), Deborah McDowell (English), Judith Modell<sup>1</sup> (Anthropology, Human Development), Richard Moss<sup>1</sup> (History), Harold Raymond (History), John Sweney (English), Robert Weisbrot (History); and five students majoring in American Studies



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 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**

Five courses, to include a senior seminar or independent study course, in American history, coordinated chronologically or thematically with the required courses in American literature, and including courses at the 200, 300, and 400 levels.

Five courses, to include a senior seminar or independent study course, in American literature, coordinated chronologically or thematically with the required courses in American history, and including courses at the 200, 300, and 400 levels.

*Note:* By the end of the sophomore year, majors are required to have completed History 123, 124 (Survey of United States History) and English 251 and 252 (Major American Writers I and II). Sophomore majors are strongly urged to complete American Studies 271. Senior majors are required to complete American Studies 493 (Seminar in American Studies), which may be used to satisfy one of the senior seminar or independent study requirements in American history or American literature.

Additional courses with an American emphasis—coordinated with the approval of the major adviser according to chronology, theme, or method—to bring the total to at least 15 courses. These may be selected from a list available from the major adviser, and include offerings in administrative science, American studies, art, biology, economics, education, geology, government, music, philosophy, psychology, religion, and sociology.

Majors in American studies may apply during their junior year for selection for admission to the honors program. On successful completion of the work of the honors program and of the major, their graduation from the College will be noted as being "With Honors in American Studies."

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

#### **Courses in American Studies Approved for the Major**

*Administrative Science:* 354 Law.

*American Studies:* -97, -98 Selected Topics (except at the 100 level); 258 American Character and Culture; 271 Introduction to American Studies; 273 Introduction to American Material Culture; 274 The Female Experience in America; 276 Black Culture in America; 491, 492 Independent Study; 493, 494 Seminar in American Studies.

*Anthropology:* 211 American Indians: Focus on Maine; 311 Culture and Personality.

*Art:* 271 American Art; 277, 278 American Visual Arts; 352 Modern Art, 1880-1945; 491, 492 Independent Study.

*Biology:* 352 Ecological Theory.

*Economics:* 217, 218 Seminars: Economic Analysis and Policy; 231 Introduction to Environmental Economics; 256 Unions, Collective Bargaining, and Public Policy; 274 American Economic History; 294 Urban and Regional Economics; 314 Economics of Population; 331 Industrial Organization and Antitrust Economics; 332 Regulated Industries; 338 Money, Banking, and Monetary Policy; 351 Public Finance; 352 Fiscal Policy; 379 Seminar in Environmental Economics; 431 History of Economic Thought; 491, 492 Independent Study.

*Education:* 294 Women in Professions; 336 The American School.

*English:* 251 Major American Writers I; 252 Major American Writers II; 351 The American Renaissance I; 352 The American Renaissance II; 353 The Realistic Imagination; 355

Black American Literature; 356 Modern American Fiction; 357 Modern American Poetry; 358 Contemporary American Poetry; 359 Early American Authors; 375 Modern Drama I; 376 Modern Drama II; 491, 492 Independent Study; 493, 494 Seminars in British and American Literature (when appropriate).

*Government*: 211 The American System and the Shaping of the Modern Polity; 213 Classical Western Political Theory; 218 Modern Western Political Theory; 273 The American Congress; 275 The Committee System in the United States Congress; 276 The American Presidency; 313, 314 American Constitutional Law; 316 American Political Thought; 317 The Policy-making Process; 319 Law and Social Change: Women and Minorities; 356 Parties and the Electoral Process; 392 The Administrative Process; 393 State and Local Government; 412 Colloquium on Political Theory and Constitutional Law; 432 Seminar on Executive Leadership in the Federal Government; 433, 434 Seminar in American National Government and Politics; 436 American Politics Seminar: Voting Behavior; 438 Seminar in Policy Analysis; 457 Seminar on the Foreign Policy of the United States; 491, 492 Independent Study.

*History*: 123, 124 Survey of United States History; 158 Introduction to History (when topic is appropriate); 212 The American Frontier; 215 America and Asia: Attitudes and Relationships; 217 The Administration of John F. Kennedy; 235 History of Business in American Life; 253 American Diplomatic History, 1775-1898; 257 History of Women in America; 258 American Character and Culture; 271 Feminism and Anti-feminism; 277 Afro-American History: From Slavery to Freedom; 278 Afro-American History II; 311 Tutorial in History; 334 Crisis and Reform: The 1960s; 353 American Culture and Society, 1865-1975; 354 American Intellectual History, 1865-1917; 371 The American South; 372 The American Civil War; 373 American Political History, 1865-1929; 374 American Political History, 1929 to the Present; 376 America: The New World, 1607-1783; 378 The United States: 1783-1860; 379 Black History; 393 American Cultural History: 1600-1865; 415, 416 Seminar in American History; 432 Seminar in Black History; 491, 492 Independent Study.

*Music*: 133 American Popular Song of the Twentieth Century; 218 Film and Film Music; 231 Jazz; 491, 492 Independent Study.

*Philosophy*: 352 American Philosophy; 491, 492 Independent Study.

*Psychology*: 253 Social Psychology; 491, 492 Independent Study.

*Religion*: 217 Religion in America; 277, 278 Religious Perspectives; 316 Contemporary Perspectives in Western Theology; 491, 492 Independent Study.

*Sociology*: 211, 212 Short Courses in Sociology; 231 Contemporary Social Issues; 233 Criminology; 252 Race and Minorities; 274 Social Stratification; 276 Men and Women in Society; 318 Contemporary Theory; 392 Social Change; 394 Collective Behavior; 491, 492 Independent Study.

<sup>1</sup>On leave full year.

<sup>2</sup>On leave second semester.

†[258] **American Character and Culture** Listed as History 258 (q.v.). *Three credit hours.*

**271 Introduction to American Studies** Through a combination of lecture and discussion, we will focus on multiple aspects of American life (social, political, sexual, racial, artistic, musical, economic) to dispel contemporary nostalgia about the Truman and Eisenhower periods and gather instead a realistic sense of that era's relationship to our own. Among the cultural documents to be examined will be films, novels, paintings, architecture, and television. *Three credit hours.* MR. LUBIN

**273j Introduction to American Material Culture** Seeks insight into the everyday lives of Americans at different times and places, with a focus on New England. Assumptions about the past will be formulated and tested by visual and historiographic scrutiny of household artifacts, vernacular architecture, common landscape, etc. A field trip and research project are required. *Three credit hours.* MR. LUBIN

**274 The Female Experience in America** An introductory course that focuses on major issues in twentieth-century American women's lives and the second wave of the women's movement: the cycles of women's lives; women and creativity; women, race, and class; and women working for social change. Women's autobiographical writings, including fiction, diaries, memoirs, and oral histories by, among others, Emma Goldman, Anais Nin, Meridel Le Sueur, Zora Neale Hurston, Lillian Hellman, Tillie Olsen, Rita Mae Brown, Anne Moody, Alice Walker, and May Sarton, and documentaries on women's lives by contemporary filmmakers. Enrollment may be limited. *Three credit hours.* MS. MANNOCCI

†[276] **Black Culture in America** An interdisciplinary examination of black cultural expression from the slave era to the present, including folk tales and beliefs, blues, work songs, jazz, sermons, dance, and literature, tracing the stages of development of a distinctive black culture in America and its relationship to the historical, social, and political realities of black Americans. *Three credit hours.*

**277, 278 American Visual Arts** Listed as Art 277, 278 (q.v.). *Three credit hours.* MR. LUBIN AND MR. MARLAIS

**491, 492 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

**493, †[494] Seminar in American Studies** An interdisciplinary seminar incorporating theoretical approaches to the study of American thought and culture. Topic will change each semester. *Prerequisite:* Senior standing as American studies major. *Three credit hours.* FACULTY

## Ancient History

*In the department of classics.*

**151 Introduction to Greek Civilization** A survey of Greek culture from Homer to Plato, with special attention to the artistic developments that culminated in the Periclean age of Athens. *Three or four credit hours.* MRS. KOONCE

†[154] **Roman History** A survey of selected topics in the history of Rome from the foundation of the city to the conversion of Constantine. *Three credit hours.*

\*177 **The Problem of Violence in Classical Greece** An examination of the tendency toward violent strife that characterized much of the social and political change in the Greek world, especially in the Athenian *polis*, from Solon's career through the Pelopon-

nesian War. Historical material will be supplemented by epic, tragic, and philosophical works. An evaluation of perspectives on the violent behavior which was inherent in cultural Greek traditions. *Two or three credit hours.* MR. HOFMEISTER

\*178 **Violence and the Transformation of the Roman Republic** The successive violent crises in Roman politics and society, from the life and death of Tiberius Gracchus to the "new order" of Augustus. Some contemporary criticism of the changes in Roman society throughout this period. *Two or three credit hours.* MR. HOFMEISTER

252 **Prehistoric Greece** The art and archaeology of Greece from the neolithic to the geometric periods, with emphasis on Minoan and Mycenaean culture. *Three or four credit hours.* MRS. KOONCE

[352] **Athens in the Fifth Century** The forces that shaped Athenian democracy and the cultural and political life distinctive of Periclean Athens. *Three or four credit hours.*

†[353] **Greece in the Fourth Century** The history of Greece from the death of Socrates to the rule of Alexander, drawing largely upon contemporary sources. *Prerequisite:* Permission of the instructor. *Three or four credit hours.*

491, 492 **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 three credit hours.* FACULTY

## Anthropology

*In the department of sociology. A concentration in anthropology is offered for sociology majors. See "Sociology."*

111 **Introduction to Anthropology** The discipline of anthropology; comparative study of societies at different levels of development and complexity; interrelationships among behaviors, beliefs; individual personality in various groups. Methods of cross-cultural inquiry will be emphasized; relevance of cross-cultural findings to our own assumptions and accepted customs will also be discussed. *Three credit hours.* MR. BROWNE

112 **Cultural Anthropology** An intensive study of different societies in the world. The implications of economic, social, and religious systems for men's and women's lives; means of perpetuating and transmitting values. Sources of coherence and continuity in a group; the impact of change in the material and social environment; the effect of culture contact. Information on societies different from our own will be used to explore our accepted notions about society, human nature, ideologies. *Prerequisite:* Anthropology 111 or permission of the instructor. *Three credit hours.* MS. DIGIACOMO

[211] **American Indians: Focus on Maine** Focus on Maine Indians in the context of the Native American experience throughout North America, including projects dealing with the Maine tribes from an anthropological perspective; fieldwork will be encouraged. *Prerequisite:* An introductory course in anthropology, sociology, American studies, history, or government, or permission of the instructor. *Three credit hours.*

**212d1 The Black Family** An interdisciplinary survey of adaptation to the internal and external forces of change that have shaped the modern black family. Focus will be placed upon the black family's responses to forced large-scale migration, slavery, and adjustments to life in urban America. *Prerequisite:* Either Anthropology 111 or 112 or Sociology 121. *Three credit hours.* MR. BROWNE

†[215] **Cross-Cultural Perspectives on Sex Roles** Female and male roles in a range of different societies. Sources of power and prestige; implications of economic and social arrangements for female and male personality traits and behaviors; socialization and the transmission of values; religious systems. The significance of technology, household and family structure, public decision making to the relative positions of women and men in various societies. The relevance of cross-cultural data to our own assumptions and attitudes about males and females. *Prerequisite:* An introductory course in anthropology, sociology, psychology, biology, or economics, or permission of the instructor. *Three or four credit hours.*

†[217] **Cross-Cultural Race Relations** An examination of the effects of prolonged contact between racial groups in America, Brazil, and South Africa, focusing on differential access to resources and opportunities, and ending with a brief analysis of the social conditions that encourage either racial harmony or conflict. *Prerequisite:* Either Anthropology 111 or 112 or Sociology 121 or permission of the instructor. *Three credit hours.*

[219] **Kinship** Kinship and relationships are a central concern of all societies, determining people's interactions and attitudes—especially about courtship, marriage, and the place of children in a society. A look at the different ways in which people define "kin," think about relatives, family, parenthood, and decide about marriage. *Prerequisite:* An introductory course in anthropology, sociology, psychology, religion, philosophy, history, or government, or permission of the instructor. *Three credit hours.*

**231j Caribbean Cultures** An ethnological survey of Caribbean societies, offering insights into the history, cultures, and social institutions of selected Caribbean groups. *Prerequisite:* Either Anthropology 111 or 112 or Sociology 121. *Three credit hours.* MR. BROWNE

†[232] **The Pacific Islands** Societies and cultures of the Pacific. Differences in social structure, economic level, value and belief systems; the implications of such differences for individual behavior and interactions. The stability of traditions and beliefs in a changing social and material environment; consequences of contact. *Prerequisite:* One course in anthropology, sociology, history, or economics, and permission of the instructor. *Three or four credit hours.*

**238 Urban Anthropology** A survey of the origin, development, and growth of cities, and social adjustments to urban life. Special emphasis on problems related to urban African adaptation to both indigenous and nonindigenous populations. *Prerequisite:* Either Anthropology 111 or 112 or Sociology 121. *Three credit hours.* MR. BROWNE

**297A Folklore and Mythology** An introduction to the myths and tales of both literate and non-literate societies, with special attention to North American Indian mythology and folktales. A series of introductory lectures will present and examine definitions of myth and folklore, its forms and functions, and a variety of analytic approaches to

them. The major focus of the course will be an independent study project consisting of the selection and analysis of a limited corpus of tales by each student with the assistance and guidance of the instructor. *Prerequisite:* Anthropology 111 or 112 or Sociology 121 or permission of the instructor. *Three credit hours.* MS. DIGIACOMO

**297B Mediterranean Europe** A survey of the peoples and cultures of Mediterranean (primarily Western) Europe, including an examination of the concept of the Mediterranean as a culture area and an overview of the priorities and concerns of scholars studying the Mediterranean. The focus on particular cultures will serve to illuminate political, social, religious, and economic systems and processes that both unite and separate them. *Prerequisite:* Either Anthropology 111 or 112 or Sociology 121 or permission of the instructor. *Three credit hours.* MS. DIGIACOMO

**298 The Gypsies** An examination of Gypsy society and culture in Europe and North America with attention to both differences and similarities. Topics to be considered include: historical origins; traditional and modern economic adaptations to the gajo (non-Gypsy) world; the nature and maintenance of Gypsy identity; Gypsy social organization; the Gypsy as universal other. *Prerequisite:* Either Anthropology 111 or 112 or Sociology 121 or permission of the instructor. *Three credit hours.* MS. DIGIACOMO

†[311] **Psychological Anthropology** The links between personality and culture. How individuals fit into a cultural setting yet achieve distinctiveness, how people learn to be what they are, the boundaries a culture puts around growing up, and the relationships between cultural rules and biological, psychological, and environmental constraints. *Prerequisite:* Two courses in any one or combination of the following subjects: sociology, psychology, biology, or philosophy, or permission of the instructor. *Three credit hours.*

**312 Ritual and Identity** Stages of life are marked in different societies: initiation rites, marriage and birth customs, rituals of death and mourning. A study of the marking of life-cycle events in a range of societies; the relationship between rites of passage and identity; what rituals imply about female and male roles, personalities, and the bringing up of children. *Prerequisite:* Two courses in any one or combination of the following subjects: sociology, psychology, biology, philosophy and religion, history, American studies, or permission of the instructor. *Three credit hours.* MS. DIGIACOMO

**397 Political Anthropology** The study of power: who exercises it, to what purposes, what differentiates the rulers from the ruled, how the structure of power relations is legitimized and maintained. An overview of egalitarian, ranked, stratified, and state-level political systems, with emphasis on the latter; the formation of nations and nationalism, the symbolism of power in complex society, and the persistence of apparently archaic sociopolitical forms such as anarchism and mafia. *Prerequisite:* Either Anthropology 111 or 112 or Sociology 121. *Three credit hours.* MS. DIGIACOMO

**491, 492 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.* MR. BROWNE AND MS. DIGIACOMO

# Art

Chairman, ASSOCIATE PROFESSOR DAVID SIMON

Professor Harriett Matthews; Associate Professor D. Simon; Visiting Associate Professor Abbott Meader<sup>1</sup>; Assistant Professors Gina Werfel<sup>1</sup>, W. Hearne Pardee<sup>1</sup>, Sonia Simon<sup>1</sup>, and David Lubin; Instructor Michael Marlais

The Colby art department includes practicing artists, art historians, and a museum director. With special studios for design, drawing, printmaking, and sculpture, as well as a museum, the department features 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 the 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

Art 111, 112, 161; at least nine credit hours chosen from 271, 311, 313, 314, 331, 332, 334, 335, 351, 352, 353, 371, 372; additional courses in art to bring the total to 29 semester hours; at least six semester hours chosen from other fields of study related to the individual student's interests within the major (e.g., history, philosophy, music, English). These courses should be selected with the advice and approval of the student's adviser in the sophomore or junior year.

The point scale for retention of the major applies to courses taken in the department. No requirement for the major may be taken pass/fail. A departmental examination is to be passed in the senior year.

Attention is called to the interdisciplinary major in American studies.

<sup>1</sup>Part-time.

**001j Crafts** One or more projects and crafts will be sponsored by the department and supervised by artisans not on the Colby faculty. Projects in the past have included calligraphy, pottery, weaving, photography, and ceramics. *Noncredit.* STAFF

**111, 112 Survey of Western Art** A survey of the history of painting, sculpture, and architecture. First semester: Egyptian pyramids through Gothic cathedrals. Second semester: Renaissance Italy through contemporary America. *Four credit hours.* MR. SIMON AND OTHERS

**141, 142 Drawing** First semester: an introduction to fundamentals of drawing. Second semester: further exploration of these fundamentals. Out-of-class drawing is stressed. Enrollment limited. *Three credit hours.* MS. MATTHEWS

**161, 162 Design** Exploration of design elements, including line, shape, value, texture, and composition. Introduction to color theory. Second semester stresses color and composition. Students must supply own materials; out-of-class work is essential. Enrollment limited. *Three credit hours.* MR. PARDEE AND MR. MEADER

**241, 242 Beginning Painting** Oil technique; painting perceptually from still life, figure, and landscape. Students must supply own materials; out-of-class work is essential. *Prerequisite:* Art 141 and 161, or permission of the instructor. *Three credit hours.* MS. WERFEL

†[252] **Survey of Western Architecture** Lectures will focus on significant buildings and architects from ancient to modern times. Assignments will include problems of designing, photo essay, and model building. Primarily for nonmajors. *Three credit hours.*

**261, 262 Beginning Sculpture** First semester: an introduction to form and ideas through the use of quick media. Second semester: continuation of first semester, stressing more traditional media. *Prerequisite:* Art 141 or 161, or permission of the instructor. *Three credit hours.* MS. MATTHEWS

[271] **American Art** Architecture, sculpture, and painting from colonial times to the present. Lectures and problems make use of the original material in the Colby collections. *Three credit hours.*

**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. Previously offered as Art 297 in 1983-84. Enrollment limited. *Three credit hours.* MR. LUBIN

**277 American Visual Arts I** American art and culture from the colonial period, concentrating on the seventeenth, eighteenth, and nineteenth centuries, in terms of changing aesthetic standards as well as social and historical developments. Areas of study include the fine arts, folk art, material culture, and mass media. Cross-listed as American Studies 277. *Three credit hours.* MR. LUBIN AND MR. MARLAIS

**278 American Visual Arts II** A continuation of Art 277, concentrating on the twentieth century. Cross-listed as American Studies 278. *Three credit hours.* MR. LUBIN AND MR. MARLAIS

**311d2 Art of Ancient Greece and Rome** Architecture, sculpture, and painting from the development of the Minoan civilization through the fall of Rome. *Prerequisite:* Art 111 or permission of the instructor. *Three credit hours.* MR. SIMON

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

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

†[331] **Art of the Renaissance in Northern Europe** The art of France, Germany, and the Lowlands in the fifteenth and sixteenth centuries, with emphasis on the major painters from Van Eyck to Brueghel. *Prerequisite:* Art 111 or 112 or permission of the instructor. *Three credit hours.*

**332d1 Art of the Renaissance in Italy** The art of the fifteenth and sixteenth centuries in Italy, with emphasis on the major architects, sculptors, and painters. *Prerequisite:* Art 111, 112, or permission of the instructor. *Three credit hours.* MS. SIMON



**334 Baroque and Rococo Art in the North of Europe** Painting, sculpture, and architecture of the seventeenth and early eighteenth centuries in Flanders, Holland, England, France, and Germany. Relationships to Spain will also be explored. *Prerequisite:* Art 112. *Three or four credit hours.* MS. SIMON

†[335] **Mannerism and Baroque Art in Italy** Painting, sculpture, and architecture from the late works of Michelangelo in the sixteenth century through the domes of Guarnini in the late seventeenth century. *Prerequisite:* Art 112. *Three or four credit hours.*

**341, 342 Advanced Painting** Emphasis on development of individual expression. Further exploration of still life, landscape, and the figure. Students must supply own materials; out-of-class work is essential. *Prerequisite:* Art 242 or permission of the instructor. *Three credit hours.* MS. WERFEL

**351d2 European Art, 1780-1880** Emphasis on European art of the neoclassic, romantic, realist, and impressionist movements. *Prerequisite:* Art 112. *Three or four credit hours.* MR. MARLAIS

[352] **Modern Art, 1880-1945** History of avant-garde movements from postimpressionist to the New York School. *Prerequisite:* Art 112. *Three or four credit hours.*

**353 Contemporary Art, 1945 to the Present** History of art from abstract expressionism to our own time. Emphasis on issues of art criticism as well as on current practices. *Prerequisite:* Art 112. *Three or four credit hours.* MR. MARLAIS

**361, 362 Advanced Sculpture** Further use of the techniques acquired in Art 261, 262 in developing the student's own visual ideas. Enrollment limited. *Prerequisite:* Art 261, 262. *Three credit hours.* MS. MATTHEWS

**371j The Graphic Arts** History and criticism of drawing and printmaking, with emphasis on European art since the Renaissance. *Prerequisite:* Art 112 or permission of the instructor. *Three credit hours.* INSTRUCTOR

[372] **Women in Art** Designed to cross the narrow borders of traditional art-historical period surveys, this course will focus on women's achievements as artists and on the way women have been represented in art. *Prerequisite:* Art 111, 112, or permission of the instructor. *Three credit hours.*

**374 Women and Film** A close study of films by and/or about women, their role in society, and issues of gender. Various nationalities and genres of film will be studied, as well as supplemental writings by mainstream and feminist film historians. Enrollment limited. *Prerequisite:* Art 275. *Three credit hours.* MR. LUBIN

**491, 492 Independent Study** Individual study of special problems in the practice, history, or theory of the visual arts. *Prerequisite:* Permission of the instructor. *One to four credit hours.* FACULTY

†[494] **Seminar in Art History** Topics will change each spring and a complete description will be published before registration. *Three or four credit hours.*

# Astronomy

*In the department of physics and astronomy.*

**151 Introduction to Stars and Stellar Systems** A descriptive and quantitative survey of stellar, galactic, and extragalactic astronomy. Topics include observational astronomy, stellar structure, classification and evolution of stars, galactic structure, and cosmology. Special topics include pulsars, quasars, and black holes. Some classes will be conducted as nighttime observing sessions. Does not satisfy the laboratory science distribution requirement. *Three credit hours.* MR. CAMPBELL

**152 Historical and Planetary Astronomy** A descriptive study of the history of astronomy and of our planetary system. The history of astronomy from ancient times primarily concerns the planets. Modern planetary astronomy is treated as an observational science with emphasis on the discoveries of recent interplanetary space probes. Does not satisfy the laboratory science distribution requirement. *Three credit hours.* MR. CAMPBELL

# Biology

*Chairman, PROFESSOR MIRIAM BENNETT*

*Professor Bennett; Associate Professors Thomas Easton, Bruce Fowles, Arthur Champ-  
lin, David Firmage, and Russell Cole<sup>1</sup>; Assistant Professors Jay Labov, Frank Fekete,  
Eugene Spears, and Raymond Phillips<sup>2</sup>*

The department of biology provides its students with backgrounds in important aspects of both classical and modern biology—anatomical, physiological, developmental, evolutionary, behavioral, and ecological. Graduates enroll in medical schools, dental schools, veterinary colleges, and in graduate programs in biology. Others are employed as research assistants or as teachers at the secondary level. Special facilities include the Perkins Arboretum, the Colby-Marston Bog, and a new microscopy laboratory equipped with both scanning and transmission electron microscopes.

Two major programs are offered by the department. For each, the point scale for retention of the major applies to all courses required for the major and all elected biology courses. No requirement for the major may be taken pass/fail.

## Requirements for the Basic Major in Biology

Mathematics 121 and one additional higher numbered mathematics course (students who enter with Mathematics 121 or equivalent are required to take one semester of mathematics); Chemistry 141, 142; 32 hours in biology, including 121, 122, 271, 272, 301, 302 (substitutions may be made with departmental approval); one additional year of science other than biology. The comprehensive examination in the major is to be passed in the senior year.

Biology 121, 122, 271, and 272 constitute a core program and are normally prerequisite to all higher-numbered biology courses. With special permission of the department, a student may arrange to take Biology 271 or 272 and higher-numbered biology courses concurrently.

The inclusion of geology is advised for majors preparing for teaching or for work in the field aspects of biology. Students preparing for dental, medical, or veterinary schools should take Mathematics 122, and must take Physics 121, 122, and Organic

Chemistry; students preparing for graduate study in the biological sciences should also elect these courses. For most of these students, at least one further course in mathematics should be elected with the advice of the major department. Requirements for the Ph.D. degree in areas of biological science may include a reading knowledge of two modern foreign languages.

Students are encouraged to take courses at approved summer laboratories, and such courses may be approved for credit toward the major requirement.

The Environmental Science Concentration is designed to provide the student adequate background to work in the environmental field or to continue on to graduate study in environmental science or in one of the biological disciplines. The requirements are: Administrative Science 354 or 413 or Economics 231; biology, 32 hours, including 121, 122, 271, 272, 301, 302, 352, and either 354 or 356; Economics 131 or 132; Chemistry 141, 142; two courses selected from Geology 141, 142, 172, and Chemistry 217; Mathematics 121 and either 241 or 381; independent study, at least two hours, taken as Biology 493 or Geology 494. The comprehensive examination in biology is to be passed in the senior year.

Students are encouraged to take at least one field-oriented course such as Biology 358, Sea Semester, or other similar approved programs.

Attention is called to the interdepartmental major in geology-biology and the interdisciplinary major in human development.

<sup>1</sup>On leave full year.

<sup>2</sup>Part-time.

[095j] **Hospital Internship** Offered in cooperation with Mid-Maine Medical Center. Most students will spend two weeks in orientation, observing in various departments of the center, after which a specific area will be observed more extensively. Designed primarily for juniors and seniors who have an interest in some aspect of the health professions. *Prerequisite:* Permission of the faculty sponsor and the hospital coordinators. *Noncredit.*

112j **Heredity and Evolution** An introduction to the basics of heredity and the scope, significance, and mechanisms of evolution. Lectures only. Does not satisfy the laboratory science distribution requirement. Cannot be counted toward the biology major. Credit may not be obtained for both Biology 112j and 122. Enrollment limited. *Two credit hours.* MR. FOWLES

121, 122 **Introduction to Biology** First semester: the form, function, and behavior of selected organisms. Second semester: the biology of reproduction, inheritance, and development. Examples will be drawn from a variety of organisms. Lectures presented by several members of the biology faculty in their areas of specialization. Lecture and laboratory. *Four credit hours.* FACULTY

†[133j] **Impact of Microorganisms on Man** An exploration of the world of one-celled organisms. Discussions and lectures will be based on the roles microorganisms play in disease, the food industry, ecology, energy generation, and biotechnology. Cannot be counted toward the biology major. Does not satisfy the laboratory science distribution requirement. *Two credit hours.*

134 **Human Evolution** The evolutionary origin of Man through study of selected original papers and short publications. Attention is given to the basic theory of evolution and the forces that are effective in the process. Does not satisfy the laboratory sci-

ence distribution requirement. Cannot be counted toward the biology major. *Three credit hours.* MR. EASTON

†[136] **Horticulture** Basic principles in the areas of plant structure and function will be covered and related to plant cultivation. Practical application of these principles will be discussed in areas such as lighting, propagation, pruning, and floriculture. One field trip will be taken. Does not satisfy the laboratory science distribution requirement. Cannot be counted toward the biology major. Credit may not be obtained for both Biology 136 and 138. Enrollment limited. *Three credit hours.*

**138 Plant Biology** An introduction to the principles of biology as illustrated by plants, with emphasis on structure, activities, and reproduction of green plants. Does not satisfy the laboratory science distribution requirement. Cannot be counted toward the biology major. Credit may not be obtained for both Biology 136 and 138. Enrollment limited. *Three credit hours.* MR. FOWLES

**212 Aspects of Human Physiology** An examination of the human organism and its functions. Topics to be studied will include the physiology of metabolism, integration of information via nerves and hormones, circulation, breathing mechanisms, reproduction, excretion, manipulation of the external and internal environment by muscles, and nutrition. History and methodology of human physiology as a science will be examined throughout the course. Cannot be counted toward the biology major. *Prerequisite:* Biology 121. Enrollment limited. Lecture only: *three credit hours*; lecture and laboratory: *four credit hours.* MR. LABOV

†[219] **Environmental Science** Basic concepts in ecology are examined in detail at the population, community, and ecosystem levels. The relevance of these concepts to current environmental problems is stressed. Does not satisfy the laboratory science distribution requirement. Cannot be counted toward the biology major. Enrollment limited. *Three credit hours.*

**271 Introduction to Ecology; Introduction to Evolution** Part I: introduction to ecological principles—structure and function of natural ecosystems, patterns of distribution, energy flow, nutrient cycling, and population dynamics. Field trips are taken to sites representative of local terrestrial, fresh-water, and marine ecosystems. Part II: introduction to the scope, significance, and mechanisms of evolution. Lecture and laboratory. *Prerequisite:* Biology 121, 122, or equivalent. *Four credit hours.* MR. FOWLES, MR. FIRMAGE, AND MR. SPEARS

**272 Cell Biology** An introduction to the study of cellular and molecular biology: an examination of the structure and function of nuclear and cytoplasmic components, with emphasis on experimental findings. Instruction in basic histological and cytochemical techniques is included, in addition to studies of selected cellular properties. Lecture and laboratory. *Prerequisite:* Biology 121, 122, or equivalent and Chemistry 141, 142 (may be taken concurrently), or permission of the instructor. *Four credit hours.* MR. CHAMPLIN AND MR. FEKETE

**301, 302 Biology Seminar** Discussion of contemporary topics in biology. Choice of several topics. Nongraded. *Prerequisite:* Junior or senior standing as a biology or geology-biology major. *One credit hour for the year.* FACULTY

†[311] **Taxonomy of Flowering Plants** An introduction to the study of variation, evolution, and classification of flowering plants, and the techniques used by systematists in establishing relationships among plants. Identification of specimens that characterize the major families of flowering plants represented in the local flora is stressed. Lecture and laboratory. *Prerequisite:* Biology 271 and 272, or permission of the instructor. *Four credit hours.*

†[312] **Vertebrate Zoology** Classification, distribution, and ecology of vertebrates. The adaptive strategies of animals to interactions with the environment, plants, and other animals will be considered. Vertebrates common to New England will be emphasized. Lecture and laboratory. *Prerequisite:* Biology 271 and 272, or permission of the instructor. *Four credit hours.*

**314 Plant Physiology** The essential mechanisms of plant functions. Lecture and laboratory. *Prerequisite:* Biology 271 and 272, or permission of the instructor. *Four credit hours.* MR. FOWLES

**316 Invertebrate Zoology** The morphology, physiology, and classification of the invertebrates. Lecture and laboratory. *Prerequisite:* Biology 271 and 272, or permission of the instructor. *Four credit hours.* MISS BENNETT

**317 Animal Histology** The structure of cells, tissues, and organs, principally of mammals, with aspects of function. Lecture and laboratory. *Prerequisite:* Biology 271 and 272, or permission of the instructor. *Four credit hours.* MR. EASTON

**318 Microbiology** The biology of bacteria and viruses. The aims of the course are to develop general knowledge in this area and to give practical experience in techniques. Lecture and laboratory. *Prerequisite:* Biology 271 and 272, or permission of the instructor. *Four credit hours.* MR. FEKETE

\***319 Biology of the Lower Plants** Comparative studies of the morphology, development, physiology, and significance of algae, fungi, and bryophytes. Lecture and laboratory. *Prerequisite:* Biology 271 and 272, or permission of the instructor. *Four credit hours.* MR. FOWLES

**332 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. Lecture and laboratory. *Prerequisite:* Biology 271 and 272, or permission of an instructor. *Four credit hours.* MISS BENNETT AND MR. CHAMPLIN

**333 Chordate Evolution** A study of the origins of vertebrate form through consideration of homologies in extinct and living organisms. Lecture and laboratory. *Prerequisite:* Biology 271 and 272, or permission of the instructor. *Four credit hours.* MR. EASTON

\***337 The Reproductive Biology of Flowering Plants** A study of the flowering process in various plant groups and the mechanisms of pollination they employ. Seed production and vegetational propagation strategies will also be considered. Lecture and laboratory. *Prerequisite:* Biology 271 and 272, or permission of the instructor. *Three credit hours.* MR. FIRMAGE

**352 Ecological Theory** An examination of the theoretical aspects of population and community ecology, emphasizing population regulation, demography, trophic relationships and community structure, and development. Coevolutionary interactions among plants and animals will be considered. Relevance of ecological theory to our environmental crisis will be discussed. Lecture and discussion. *Prerequisite:* Biology 271 and 272, or permission of the instructors. *Three credit hours.* MR. FIRMAGE AND MR. SPEARS

†[354] **Marine Biology** Field and laboratory studies of marine ecosystems, with emphasis on estuarine and coastal communities; quantitative sampling methods and data analysis will be undertaken in group projects. Occasional weekend trips to the coast. Lecture, laboratory, and discussion. *Prerequisite:* Biology 352 (may be taken concurrently). *Two credit hours.*

\*356 **Inland Ecology** Field and laboratory studies of terrestrial and fresh-water communities; quantitative sampling methods and analysis of data will be accomplished through group and individual projects. Lecture, laboratory, and discussion. Occasional weekend field trips. *Prerequisite:* Biology 352 (may be taken concurrently). *Three credit hours.* MR. FIRMAGE AND MR. SPEARS

358j, 358 **Ecological Field Study** A trip to a south temperate or tropical area during the spring recess or the January term. Students must cover expenses. Graded or non-graded at the discretion of the instructors. *Prerequisite:* Permission of the instructors. *One credit hour.* (January: *three credit hours.*) FACULTY

371 **Genetics** The mechanisms of inheritance, with emphasis on experimental findings. The physical and chemical bases for the behavior of genes in individuals and populations are examined. *Prerequisite:* Biology 271 and 272, or permission of the instructor. Lecture only: *three credit hours;* lecture and laboratory: *four credit hours.* MR. CHAMPLIN

373 **Topics in Molecular Biology** Detailed considerations of the molecular biology of procaryotic and eucaryotic cells. Topics include molecular evolution; viral macromolecular assembly; molecular basis of metabolism, contractility, membrane systems, and bioenergetics; enzymes; and molecular immunology. Lecture and laboratory. *Prerequisite:* Biology 271, 272. *Four credit hours.* MR. FEKETE

375 **Problems in Comparative Animal Physiology** Studies of the manners in which animals of major phyla cope with their functional problems. Both ecological and evolutionary correlations are stressed. Lectures only. Augmented credit of one hour based on the addition of laboratory studies emphasizing the methods of comparative physiology. *Prerequisite:* Biology 271 and 272, or permission of the instructor. *Three or four credit hours.* MISS BENNETT

377 **Topics in Neurobiology** Lectures, discussions, and readings on the functional organization of nervous systems, and on how nervous information is received, coded, stored, and transmitted by living organisms. Augmented credit of one hour based on addition of laboratory work. *Prerequisite:* Biology 271 and 272, or permission of the instructor. *Three or four credit hours.* MR. LABOV

378 **Animal Behavior** An examination of animal behavior from a biological viewpoint. Topics will include the control, development, function, and evolution of be-

havior. *Prerequisite:* Biology 271 or permission of the instructor. Lecture only: *three credit hours*; lecture and laboratory: *four credit hours*. MR. LABOV

**379 Electron Microscopy** Principles and practice of transmission and scanning electron microscopy, including electron optics, imaging, and X-ray microanalysis. The routine operation of both the TEM and SEM will be presented and practiced, as will the principles and techniques of sample preparation from both living and nonliving materials. The interpretation and evaluation of electron photomicrographs and X-ray spectra will be emphasized. Students will have an opportunity to develop further their techniques and expertise in the area of greatest interest to them. Enrollment limited. Lecture and laboratory. *Prerequisite:* Chemistry 141, 142, standing as a junior or senior major in one of the natural sciences, and permission of the instructor. *Four credit hours*. MR. CHAMPLIN AND MR. ALLEN

**491, 492 Independent Study** Normally open only to senior biology majors. *Prerequisite:* Permission of the department. *One to four credit hours*. FACULTY

**493 Problems in Environmental Science** Normally open only to junior and senior biology majors with the concentration in environmental science for work on environmentally related topics. Enrollment limited. *Prerequisite:* Biology 352 and permission of the instructors. *Two to four credit hours*. MR. FIRMAGE AND MR. SPEARS

## Black Studies

*Director, ASSISTANT PROFESSOR DEBORAH MCDOWELL*

**ADVISORY COMMITTEE:** *Professors Charles Bassett (English), Patrick Brancaccio (English), Dallas Browne (Anthropology, Black Studies), Henry Gemery (Economics), McDowell (English), Jonas Rosenthal (Sociology), John Sweney (English), and Robert Weisbrot (History); and two students*

Activities in the area of black studies began in 1969 with the formation of a black studies subcommittee of the educational policy committee. The work of this committee has involved the encouragement of curriculum development, scholarly exchanges through visiting lecturers, faculty attendance at professional meetings such as the one held annually in Atlanta at the Center for Afro-American Studies, exchanges of students, and faculty visits to other colleges to keep abreast of developing programs. The committee also encourages the development of January program topics in this area. The history courses listed below may be offered as a field of concentration within the history major. Students interested in black studies are invited to consider an independent major (q.v.).

### Courses Offered in the Black Studies Program

*American Studies:* 276 Black Culture in America.

*Anthropology:* 212 The Black Family; 217 Cross-Cultural Race Relations; 231 Caribbean Cultures; 238 Urban Anthropology.

*English:* 355 Black American Literature; 436 African Prose.

*History:* 213 African History and Cultures I; 214 African History and Cultures II; 277 Afro-American History: From Slavery to Freedom; 278 Afro-American History II; 379 Black History; 432 Seminar in Black History.

Students interested in black studies should also note the following courses, which deal with various American minority and third-world concerns.

*Economics*: 293 Economic Development.

*Government*: 277 African Politics; 319 Law and Social Change: Women and Minorities; 332 Political Development in the Third World; 473 Seminar in African Politics.

*Religion*: 235 Religions of the Oppressed.

*Sociology*: 231 Contemporary Social Issues; 238 Urbanization; 252 Race and Minorities.

<sup>4</sup>On leave full year.

## Chemistry

*Chairman*, PROFESSOR WAYNE SMITH

*Professors* George Maier and Smith; *Associate Professor* Thomas Shattuck; *Assistant Professors* Thomas Newton and Gary Mabbott

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 biochemistry, natural products, and organic, physical, inorganic, and analytical chemistry. 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 major programs: (1) the basic major, (2) the ACS major (accredited by the American Chemical Society), (3) the major in chemistry-biochemistry, and (4) the major in chemistry-environmental sciences. Of these majors, the ACS major is focused more sharply toward graduate work in chemistry, while the other majors provide an opportunity for additional study outside the chemistry department. A student who successfully completes the ACS program receives official certification from the American Chemical Society. 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. All prospective majors should meet with the chairman as early as possible in order to plan their full chemistry programs.

### Requirements for the Basic Major in Chemistry

Chemistry 141, 142, 241, 242, 313, 314, 331, 341, 342, 493, 494; Mathematics 121, 122; Physics 121, 122 or 141, 142.

### Requirements for the ACS Major in Chemistry

All courses required for the basic major, plus Chemistry 332, 411, 413, and six additional credit hours of 400-level courses.

### Requirements for the Major in Chemistry-Biochemistry

Chemistry 141, 142, 241, 242, 313, 341, 467, 468 (with laboratories), 493, 494; Mathematics 121, 122; Physics 121, 122; Biology 121, 122, 272, and one additional course numbered 200 or higher.

### Requirements for the Major in Chemistry-Environmental Sciences

All courses required for the basic major; Chemistry 217; Economics 131, 132; Biology 121, 122 or Geology 141, 142.

### Additional Requirements for All Majors in Chemistry Department

One January program must be taken in the major. The department strongly urges all majors to fulfill this requirement by doing an independent laboratory project.

All chemistry majors must take the Graduate Record Examination in chemistry during their senior year.



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 pass/fail.

Seminars are held on Tuesday evenings; chemistry majors are expected to attend, and seniors are required to participate. Summer employment in industrial or professional laboratories at the end of the junior year is encouraged.

Majors in chemistry who have completed the required junior-level courses for the major may elect an honors research project with approval of a faculty sponsor in the department. On successful completion of the work of the honors research program and of the major, their graduation from the College will be noted as being "With Honors in Chemistry." Attention is also called to the Senior Scholars program.

Attention is called to the interdepartmental geology-chemistry major.

**111 Studies in Environmental Biochemistry** A few situations in which polluting and ultimately toxic chemicals intrude upon the proper functioning of biochemical systems will be studied in great detail. Intended as a nonlaboratory course for nonscience majors. *Three credit hours.* MR. MAIER

**112 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 nonlaboratory course for nonscience majors. *Three credit hours.* MR. SMITH

**141, 142 General Chemistry and Elementary Analysis** 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. The first-semester laboratory is concerned with synthesis and gravimetric analysis, the second with volumetric analysis and qualitative analysis. *Four credit hours.* MR. SMITH AND MR. MABBOTT

**217d2 Environmental Chemistry** Application of chemical principles to such topics as mineral resources, energy, solid wastes, air and water pollution, and toxic substances. *Prerequisite:* Chemistry 142. *Three credit hours.* MR. MABBOTT

**241, 242 Organic Chemistry** The chemistry of carbon compounds, aliphatic, aromatic, and heterocyclic, from the point of view of synthesis, structure, properties, and uses. Lecture, discussion, and laboratory. Laboratory includes separations, purifications, syntheses, determination of important properties. *Prerequisite:* Chemistry 142. *Five credit hours.* MR. NEWTON

**313, 314 Integrated Laboratory Studies** Laboratory work to complement physical and analytical chemistry. Students will select experiments that explore various aspects of synthesis, characterization, and analysis. *Corequisite:* Concurrent enrollment in one of the following: Chemistry 331, 332, 341, 342. *One or two credit hours.* FACULTY

**331 Chemical Methods of Analysis** A study of fundamentals of analytical chemistry. Lectures are devoted to principles underlying chemical analysis, literature of analytical chemistry, precision, and sources of error. *Prerequisite:* Chemistry 142 and concurrent enrollment in Chemistry 313. *Three credit hours.* MR. MABBOTT

**332 Instrumental Methods of Analysis** Instruction in instrumental methods, includ-

ing potentiometric determinations, atomic, ultra-violet, infra-red, and nuclear magnetic resonance studies, polarography, chromatography, and radio chemistry. *Prerequisite:* Chemistry 331, 342 (may be taken concurrently), and concurrent enrollment in Chemistry 314. *Three credit hours.* MR. MABBOTT

**341, 342 Physical Chemistry** The laws and theories of chemical reactivity and the physical properties of matter. Emphasis is placed on chemical equilibrium, molecular bonding, and the rates of chemical reactions. Major topics in 341: thermodynamics, solutions, and reaction kinetics; in 342: quantum mechanics, spectroscopy, and statistical mechanics. *Prerequisite:* Chemistry 142, Physics 122 or 142, and Mathematics 122; and concurrent enrollment in Chemistry 313, 314. *Four credit hours.* MR. SHATTUCK

**411 Inorganic Chemistry** Current models and concepts of 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 and discussion. *Prerequisite:* Chemistry 342. *Four credit hours.* MR. SMITH

**413 Integrated Laboratory Studies** Synthesis and characterization of organic, inorganic, and organo-metallic compounds. *One credit hour.* FACULTY

**431 Physical Organic Chemistry** Reaction mechanisms, molecular rearrangements, nonclassical carbonium ions, hard-soft acid-base theory, carbenes and nitrenes, qualitative molecular orbital theory, and pericyclic reactions. Lecture. *Prerequisite:* Chemistry 242, 342. *Three credit hours.* MR. NEWTON

**434 Advanced Physical Chemistry** Use of principles of symmetry and group theory as an aid in understanding chemical bonding and interpreting molecular spectroscopy. *Prerequisite:* Chemistry 342. *Three credit hours.* MR. SMITH

**467, 468 Biochemistry** Chemical components of living matter and of the major processes of cellular metabolism, including the fundamental chemical characteristics of biological compounds and enzymatic reactions. Biology 121, 122 are recommended as preparation. *Prerequisite:* Chemistry 242. Lecture only: *four credit hours*; lecture and laboratory: *five credit hours.* MR. MAIER

**478 Seminar in Biochemistry** Reading and discussion of current literature emphasizing a common theme in an emerging area of biochemistry. *Prerequisite:* Chemistry 467 or permission of the instructor. *Two credit hours.* MR. MAIER

**483, 484 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.* MR. SMITH

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

**493, 494 Seminar** Discussion of topics of current interest in all areas of the chemical literature. *Prerequisite:* Permission of the instructor. *One credit hour.* FACULTY

## Chinese

*In the department of modern foreign languages. All courses in Chinese are part of the East Asian studies program.*

**121, 122 Elementary Chinese** Introduction to spoken and written Mandarin Chinese, to provide a thorough grounding in all the language skills: speaking, listening, reading, and writing. *Four credit hours.* MR. SO

**123, 124 Intermediate Chinese** A continuation of Chinese 122, with greater emphasis on written Chinese. *Prerequisite:* Chinese 122. *Four credit hours.* MR. SO

**252 Chinese Poetry in Translation** An introduction to major Chinese poets, men and women who used verse to express aesthetic values, erotic sentiments, and protest. Poetry from all periods of the 2500-year history of Chinese verse will be included, and several translations will be studied in order to appreciate how the ideas and language of one culture may be rendered into another. *Three credit hours.* MS. YANG

**253j China's Revolutionary Writers in Translation** A survey of China's major twentieth-century writers and their response to the political and social upheavals of the last hundred years. Topics include the impact of the May 4 riot, the war with Japan, Mao Zedong's forum on writers, the influence of European and American literature on the Chinese, and the impact of leading writers on their peers. *Three credit hours.* MS. YANG

[254] **The Classic Chinese Novel in Translation** The major novels of the Ming and Qing dynasties (fourteenth to twentieth centuries) and an evaluation of each author's understanding and treatment of passion and enlightenment in Chinese society. *Three credit hours.*

**297 Women in Chinese Literature** The relationship between women and society as reflected in major literary texts of China by men and women of various historical periods. Idealized sexual roles and the realities of individual lives, the family system and the world of professional entertainers, modern responses to traditional patterns. *Three credit hours.* MS. YANG

**321, 322 Advanced Chinese** Advanced Chinese language, concentrating on reading, writing, and speaking. *Prerequisite:* Chinese 124 or permission of the instructor. *Three or four credit hours.* MR. SO AND MS. YANG

**491, 492 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

*Additional courses offered by the classics department are listed separately under "Ancient History," "Greek," and "Latin."*

*Chairman*, PROFESSOR DOROTHY KOONCE

*Professors Peter Westervelt<sup>1</sup> and Koonce; Taylor Lecturer Timothy Hofmeister*

Students in classics may concentrate in either Greek or Latin literature and civilization or in a combination of both. A wide variety of courses in both fields is provided through the Taylor Lectureship in Classics, which brings a different specialist each year to teach in his or her chosen area of interest. There is also the opportunity to study for a year in Greece or Rome in programs especially designed for American students, as well as occasion for experience in field archaeology through arrangement with other institutions.

#### Requirements for the Major in Classics

Two courses numbered 200 or higher in Greek or Latin. Six additional courses selected from at least two of the following categories: two or more courses numbered 300 or higher in the ancient language elected above; two or more courses in ancient history; two or more courses numbered 200 or higher in the other ancient language; two or more courses elected from Classics 232 or 234, Art 311, Philosophy 331, or the equivalent.

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

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

In classics: either three years of Latin in courses numbered 200 or higher or three years of Greek.

In English: six semester courses approved by the departments.

#### Requirements for the Major in Classics-Philosophy

In classics: either three years of Latin in courses numbered 200 or higher or three years of Greek, subject to departmental approval.

In philosophy: 152; 111 or 211; 331, 332; 491 or 492.

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 pass/fail.

The **Classical Civilization Program** is presented for students with an interest in ancient culture who do not wish to pursue study of the ancient languages. In addition to courses in classical literature in translation, ancient history, art, and philosophy, as listed in the catalogue, special courses in various aspects of antiquity are given each year by the Taylor Lecturer in residence. In recent years, these have included Greek and Roman religion, Greek and Roman archaeology, Byzantine history, mythology, and literary criticism. Courses in the program (not a major) are: Classics 133, 232, 234; Ancient History 151, 154, 252, 352, 353; Art 311; Philosophy 331; Classics 177, 178, and Ancient History 177, 178 (177, 178 is a sequence offered each year by the Taylor Lecturer in residence).

The following are courses in classical literature in translation. These courses require no knowledge of Latin or Greek. Attention is called also to courses in ancient history.

<sup>1</sup>On leave first semester.

**133d2 Greek Myth and Literature** Readings will focus on the development of a few well-known myths and will include Homer's *Odyssey*, selections from the lyric poets, and representative tragedies of Aeschylus, Sophocles, and Euripides. *Three or four credit hours.* MR. WESTERVELT

†[177, 178] **Topics in Classics** The offerings vary depending upon the particular field of the Taylor Lecturer. May be repeated for credit. *Two or three credit hours.*

[232] **Greek Tragedy** The development of tragedy as a dramatic form and its rela-

tionship to the contemporary changes in Athenian democracy. Readings will include major plays of Aeschylus, Sophocles, and Euripides, and the parody of tragedy in the *Frogs* of Aristophanes. *Three or four credit hours.*

†[234] **The Heroic Ideal in Early Greek Poetry** Particular emphasis on Homer's *Iliad* and the odes of Pindar, with some attention to modifications of the heroic ideal that appear in Attic tragedy. *Three or four credit hours.*

**491, 492 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 three credit hours.* FACULTY

## Computer Science

*In the department of mathematics.*

**131d Introduction to Computer Science** An introduction to computer science, including the development of algorithms, the syntax and semantics of programming languages, computer systems, data structures, and applications. The associated programming laboratory will develop the ability to translate algorithms into computer programs. *Four credit hours.* MR. HOSACK

**132 Computer Organization and Assembly Language** Introduction to computer organization (memory, processors, input/output, virtual machines) and assembly language (data representation, machine instructions, system calls). *Prerequisite:* Computer Science 131 or permission of the instructor. *Four credit hours.* MR. HOSACK

**231 Data Structures and Algorithms** 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:* Computer Science 131. *Three credit hours.* MR. HOSACK

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

## East Asian Studies

*Director, ASSOCIATE PROFESSOR LEE FEIGON*

**ADVISORY COMMITTEE:** *Professors Roger Bowen<sup>1</sup> (Government), Feigon (History), Chung So (Modern Foreign Languages), and Ziskind Lecturer Jane Yang*

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; see "Junior Year Abroad" for information about the Associated Kyoto Program and the CIEE Program in the People's Republic of China, and Colby's exchange agreement with Kansai Univer-

sity of Foreign Studies in Japan. Other foreign study possibilities include Hong Kong and Taiwan.

#### Requirements for the Major in East Asian Studies

A minimum of two years of training in an East Asian language, East Asian Studies 151, 152, and 13 additional credit hours obtained from courses in East Asian studies in at least three different disciplines, to include at least one seminar or independent study project in the major.

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

#### Courses in East Asian Studies Approved for the Major

*Chinese:* 121, 122 Elementary Chinese; 123, 124 Intermediate Chinese; 252 Chinese Poetry in Translation; 253 China's Revolutionary Writers in Translation; 254 The Classic Chinese Novel in Translation; 297 Women in Chinese Literature; 321, 322 Advanced Chinese; 491, 492 Independent Study.

*East Asian Studies:* 151, 152 Self, State, and Society in East Asia; 491, 492 Independent Study.

*Government:* 237 Political Development in Modern Japan; 254 Comparative Communism; 271 Asian Revolutionary Movements; 358 Contemporary Japanese Politics; 477 Seminar in East Asian Politics.

*History:* 215 America and Asia: Attitudes and Relationships; 216 The Chinese Revolution; 317 The Introduction of Marxism into China; 318 The People's Republic of China; 457 Seminar in Modern Chinese History.

*Japanese:* 121, 122 Elementary Japanese; 123, 124 Intermediate Japanese; 271, 272 Japanese Literature in Translation; 321, 322 Advanced Japanese; 491, 492 Independent Study.

*Philosophy:* 355, 356 Indian Thought; 391, 392 Philosophy Seminar (when appropriate).

*Religion:* 211 Religions of India; 212 Religions of China and Japan; 214 Religion in Modern India; 218 Buddhist Literature in Asia; 273 Meditation and Monasticism; 391, 392 Religion Seminar (when appropriate).

<sup>1</sup>On leave full year.

**151, 152 Self, State, and Society in East Asia** An introduction to the society and culture of East Asia, focusing on the elite and popular culture of the region as personified by the great historical personalities of China and Japan. Topics in the history, philosophy, religion, language, literature, and government of the area will be discussed. *Four credit hours.* MS. YANG AND MR. FEIGON

**491, 492 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 and the program director. *One to four credit hours.* FACULTY

## Economics

*Chairman, PROFESSOR JAMES MEEHAN*

*Professors Jan Hogendorn, Henry Gemery, Meehan, and Thomas Tietenberg; Assistant Professors Robert Christiansen, Gregory Christainsen<sup>1</sup>, Kristin Hallberg, Fred Moseley, and William O'Neil; Instructor Bruce Vermeulen*

In addition to dealing with the study of business behavior, consumers, inflation, and

unemployment, economic tools find increasing use in other social sciences, with the skills of the economist central to studies of sex, race discrimination, energy, technology, government behavior, environment, the population explosion, crime, and other issues of public and private life. The economics department provides a wide selection of courses with which to help analyze problems arising in these areas. The major prepares the undergraduate with a good background for employment and graduate work in numerous fields, including, in particular, business, law, government, and education.

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

Economics 131, 132, 233, 234, 391; either Mathematics 231 or 241 and 242 or 381 and 382; one of the senior seminars numbered Economics 431, 494, or Public Policy 493. Fourteen additional credit hours in elective economics courses, of which six credit hours must be in economics courses numbered 300 or above. Of the 14 additional hours, up to four hours may be satisfied by one of the following: Administrative Science 321 or Computer Science 131. Also required is a satisfactory percentile ranking in the Graduate Record Examination in economics.

Students who wish to be recommended for graduate work in economics are urged to elect Economics 394 and 431. A knowledge of mathematics through calculus and statistics is essential.

Students may be invited by the department to prepare a thesis in the second term, successful completion and defense of which will result in the degree being awarded "With Honors in Economics."

The point scale for retention of the major applies only to courses in economics, except that Administrative Science 321 or Computer Science 131 will be counted if substituted for courses in advanced economics in fulfilling the major requirement. No requirement for the major may be taken pass/fail.

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

Economics 131, 132, 233, 234, 394; one of the senior seminars numbered 431, 494, or Public Policy 493; nine additional credit hours in elective economics courses, six of which must be numbered 300 or higher. Mathematics 221, 222, 381, 382, and two additional courses numbered 300 or higher. Also required is a satisfactory percentile rating in the Graduate Record Examination in economics.

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 pass/fail.

Attention is called to the interdisciplinary program in public policy, and to the honors program (see description under Economics 491, 492).

<sup>1</sup>On leave full year.

**131d, 131j Principles of Macroeconomics** Principles of macroeconomics and their applications to modern economic problems: national product and income accounting, monetary and fiscal policy, inflation, unemployment, and growth. *Three credit hours.*  
FACULTY

**132d, 132j Principles of Microeconomics** Principles of microeconomics and their applications to modern economic problems: prices, markets, monopoly power, income distribution, and problems of the environment. May be taken prior to Economics 131. *Three credit hours.* FACULTY

**[217, 218] Seminars: Economic Analysis and Policy** The methods of economic analysis studied in Economics 131, 132 will be applied to various matters of current economic policy. Each section will consider different policy problems, examples of which might include the economics of warfare, welfare, the mystique of growth, law and eco-

nomics, energy problems, economics of transport and location, poverty and discrimination, the economics of education and medicine, and radical economics, including a critique of "orthodox" economic theory and an extensive reading of the current literature in radical economics. A description of the topics offered by section will be available at registration. *Prerequisite:* Economics 131, 132. *Three or four credit hours.*

**231 Introduction to Environmental Economics** Designed primarily for sophomore majors and nonmajors, this introductory survey course will use economic analysis to explain the underlying behavioral causes of environmental problems and the policy responses to them. Topics covered include air and water pollution, toxic substances, the allocation of exhaustible mineral resources, and the inevitability and desirability of limiting economic growth. *Prerequisite:* Economics 132. *Three or four credit hours.*  
MR. O'NEIL

**233d Macroeconomic Theory** Analysis of the theories of national income determination, the factors affecting employment, and the price level. *Prerequisite:* Economics 131, 132. *Four credit hours.* MR. R. CHRISTIANSEN

**234d Microeconomic Theory** The theory of the pricing, distribution, and allocation of resources in a market economy. Emphasis will be placed on the various meanings of economic efficiency. *Prerequisite:* Economics 131, 132. *Four credit hours.* MR. MEEHAN AND MR. O'NEIL

[256] **Unions, Collective Bargaining, and Public Policy** Structure and behavior of American unions. Development of public policy towards unions and collective bargaining. Impact of unions on relative earnings, unemployment, and inflation. Special topics include the resolution of industrial disputes, discrimination, and unionism in the public sector and white collar occupations. *Prerequisite:* Economics 131, 132. *Three or four credit hours.*

[272] **European Economic History** The framework of economic analysis applied to European historical patterns and trends. Aspects of industrialization, capital accumulation, technological change, trade and migration, and effects of entrepreneurial and government decisions. *Prerequisite:* Economics 131, 132. *Three or four credit hours.*

\*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 131, 132. *Three or four credit hours.*  
MR. GEMERY

**277 International Finance** The analysis of international monetary relations. Topics include foreign exchange markets, capital flows, the balance of payments, adjustment to balance of payments disequilibrium, international monetary organizations, and monetary reform. *Prerequisite:* Economics 131, 132. *Three or four credit hours.* MS. HALLBERG

**278 International Trade** The analysis of international trade. Topics include theories of international trade, the gains from trade, the impact upon factor incomes, commercial policy, commodity agreements and cartels, and international trade organizations. *Prerequisite:* Economics 131, 132. *Three or four credit hours.* MR. HOGENDORN



**292d1 Comparative Economic Systems** The basic types of economic systems, with special attention to problems of economic management, planning, and development. Emphasis is on western Europe, Japan, the Soviet Union, and China. *Prerequisite:* Economics 131, 132. *Three or four credit hours.* MR. MOSELEY

**293 Economic Development** The developing areas and their prospects for economic betterment. Analysis of the techniques involved and the problems to be encountered in the growth process. *Prerequisite:* Economics 131, 132. *Three or four credit hours.* MR. HOGENDORN

**294 Urban and Regional Economics** Economic forces that shape the size, structure, and growth of cities; an assessment of the nature of urban problems and desirability of alternative solutions. Topics include urban transportation, housing, land use, racial conflict, and the current fiscal crisis. *Prerequisite:* Economics 131, 132. *Three or four credit hours.* MR. TIETENBERG

**313d2 Topics in Law and Economics** A seminar examining the common law and the legal system from the point of view of economic theory. 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 to be examined include: the definition and allocation of property rights, the assignment of liability for accidents and defective products, and the effects on the criminal justice system of plea bargaining and the bail system. Research paper required; may be done for fourth credit or as Economics 391. *Prerequisite:* Economics 234. *Three or four credit hours.* MR. TIETENBERG

**[314] Economics of Population** Application of economic analysis to the study of the size and characteristics of human populations; interrelation between economic and population growth in lesser-developed and developed countries; analysis of marital and fertility patterns in the United States, with emphasis on the changing economic role of women; related public policy issues, such as welfare reform, sexual discrimination, and education. *Prerequisite:* Economics 234. *Three or four credit hours.*

**331 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. Reference will be made to specific industries and cases. *Prerequisite:* Economics 234. *Three or four credit hours.* MR. MEEHAN

**332 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. Research paper required; may be done for fourth credit or as Economics 391. *Prerequisite:* Economics 234. *Three or four credit hours.* MR. MEEHAN

**†[336] Mathematical Economics** An examination of selected topics in economic theory using higher mathematics, e.g., advanced calculus, linear algebra, and set theory. Topics will include the development of portions of consumer and firm behavior and the study of dynamic models from macro theory, growth theory, and international finance, including stability conditions. *Prerequisite:* Economics 233 or 234 and Mathematics 221, or permission of the instructor. *Three or four credit hours.*

**338d1 Money, Banking, and Monetary Policy** Monetary theory and the banking system of the United States, including problems of money and prices, proper organization and functioning of commercial banking and Federal Reserve systems, monetary standards, and credit control. Analysis, description, and evaluation of monetary policies and their administration. Recent monetary and banking trends. Criteria for appraising monetary performance. *Prerequisite:* Economics 233. *Four credit hours.* MR. R. CHRISTIANSEN

**351 Public Finance** Economics of the public sector. Topics include trends in and theories of government spending, externalities, voting mechanisms, social security, welfare programs, tax structure, and tax reform. *Prerequisite:* Economics 234. *Three or four credit hours.* MR. O'NEIL

†[352] **Fiscal Policy** The effects of fiscal policy on resource allocation, economic growth, inflation, unemployment, and the public debt. Theory and development of fiscal policy in a federal system. *Prerequisite:* Economics 233. *Three or four credit hours.*

**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. Impact of collective bargaining. Inflation, unemployment, and macroeconomic policy. *Prerequisite:* Economics 234. *Three or four credit hours.* MR. VERMEULEN

†[379] **Seminar in Environmental Economics** Current theoretical and empirical contributions to the field of environmental economics. Topics include economic incentives for environmental improvement, environmental control and economic growth, the theory of depletable resources, and the effects of environmental control on the new international economic order. *Prerequisite:* Economics 234. *Three or four credit hours.*

**391d Analytical Research Paper in Economics** An analytical, not descriptive, research paper in economics, to be coordinated with an economics course numbered above 250 in which the student is concurrently enrolled. Required of all economics majors. *Prerequisite:* Permission of the instructor. *One credit hour.* FACULTY

**394d1 Econometrics** Introduction to applied econometrics. Parameter estimation, inference, and hypothesis testing. Problems of designing econometric models. Research paper required; may be done for fourth credit or as Economics 391. *Prerequisite:* Either Economics 233 or 234; either Mathematics 231, 242, or 382. *Three or four credit hours.* MS. HALLBERG

**398A Seminar in Marxian Economic Theory** The Marxian theory of capitalist economies as presented in the three volumes of *Capital*. Marxian theory applied to analyze the current economic problems of unemployment, inflation, etc., and to assess the effectiveness of government policies to solve them. Comparisons between Marxian theory and the orthodox theories of micro- and macroeconomics. Students who took Economics 218 in spring 1983 cannot take this course for credit. *Prerequisite:* Economics 233. *Three or four credit hours.* MR. MOSELEY

**398B The Economics of Poverty in America** A close look at the empirical evidence of poverty in this country, to provide understanding of its toll in human deprivation.

Economic theories of income distribution and poverty; alternative welfare and anti-poverty policies. *Prerequisite:* Economics 233 and 234. *Three or four credit hours.* MR. VERMEULEN

**431 History of Economic Thought** An examination and appraisal of the development of economic theory. Major writing from the mercantilist period through the Keynesian period is included. Extensive use of source material. Enrollment limited. *Prerequisite:* Economics 233, 234, and senior standing. *Three or four credit hours.* MR. GEMERY

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

**494d Senior Seminar** A seminar addressed to topics in public policy analysis, interdisciplinary issues, or research. Topics considered will change each semester; a complete description will be published before registration. Enrollment limited. *Prerequisite:* Senior standing as economics major. *Three credit hours.* FACULTY

## Education

*Chairman,* PROFESSOR HAROLD JACOBSON

*Professor Jacobson; Assistant Professor Marilyn Maurinac*<sup>1</sup>

The education program serves the following functions: (1) to enable students to study one of the basic institutions in society, the schools, (2) to prepare students for graduate study in education, and (3) to prepare students for careers in education and in related fields, especially teaching in private and public schools, colleges, and universities.

The interdisciplinary program in education is not a major, yet it allows students to pursue studies in their fields of interest and simultaneously (1) to qualify fully for private and public secondary-school teaching and a teaching certificate in English, social studies, science, mathematics, Latin, American studies, and modern foreign languages, or (2) to begin preparation for teaching other levels and teacher certification in early childhood, special subjects, elementary, and types of special education.

Colby's teacher-education program is approved by the State of Maine under the standards of the Interstate Certification Project. The Maine secondary-school teaching certificate is honored in 28 other states.

### Practica

Early and continuous practical experience with learners, preschool through adult education, is a major strength of Colby's education program. Career benefits include the development of a network of professional contacts, the opportunity to test career plans, and the accumulation of references valuable for later employment search.

Practica are the "laboratory" component in the education sequence, and are available at several levels: preschool, elementary, junior high, special education, senior high, and adult education. Specific practica are required for certification.

Students who plan to teach in private and public schools should confer with members of the education department as soon as possible. Career guidance and counseling services are also available at the education department offices.

### Required Program of Studies for the Secondary-School Teaching Certificate

*Sophomore year:* Education 213; 251 or 253 or 254; Psychology 255, 256. *Junior year:*

Education 336; 351 or 353 or 354; Philosophy 333. *Senior year:* Education 431, 432, 433, and 435. English 411 or Modern Foreign Languages 411, if offered, is required for students who desire to teach those subjects.

<sup>1</sup>Part-time.

**213d School and Society** What is the role of the school in society? The course examines three case studies: Nazi Germany, with emphasis on the Holocaust and human behavior; Turkey, with focus on the Armenian genocide; and the United States, with concern for decision making in the nuclear age. *Prerequisite:* A cumulative grade point average of 2.5 or higher. *Three credit hours.* MR. JACOBSON

**251j Practicum in Elementary School** Five days per week to be served as an assistant teacher in an elementary school, helping children to learn and working with cooperating teacher(s) and support personnel. Each student will maintain a journal, prepare sample lesson plans, and write a critical evaluation paper. Nongraded. *Prerequisite:* Permission of the instructor and successful completion of one of the courses in the education certification sequence. *Praxis. Three credit hours.* MS. MAVRINAC

**253, 254 Practicum in Elementary School** Five hours weekly to be served as an assistant teacher in a local elementary school; written exercises and evaluations via individual and group projects. Education 251, 253, or 254 prerequisite to Education 431. Nongraded. *Prerequisite:* Permission of the instructor. *Praxis. Two or three credit hours.* MS. MAVRINAC

**255d Child Development** Listed as Psychology 255 (q.v.). See also Education 253, 254. *Three credit hours.* MR. ZOHNER

**256 Adolescent and Adult Development** Listed as Psychology 256 (q.v.). Prerequisite to Education 431. See also Education 254. *Three credit hours.* MR. ZOHNER

**273, 274 Practicum in Preschool** Five hours weekly to be served as an assistant teacher in a preschool setting; written exercises and evaluations via individual and group projects. Nongraded. *Prerequisite:* Permission of the instructor. *Praxis. Two or three credit hours.* MS. MAVRINAC

**276 Psychological Tests and Measurements** Listed as Psychology 274 (q.v.). *Prerequisite:* Psychology 214 or permission of the instructor. *Three credit hours.* MR. LESTER

**294 Women in Professions** Historical analysis of American women's move into higher education and professions with French and English comparisons. Changing opportunities and norms will be discussed through common readings and individual projects and interviews. *Two or three credit hours.* MS. MAVRINAC

**333 Philosophy of Education** Listed as Philosophy 333 (q.v.). Prerequisite to Education 431. See also Education 353. *Three or four credit hours.* MR. MCARTHUR

**336 The American School** The origins and evolution of the American school, as affected by religion, political socialization, race, industrialization, urbanization, and immigration. Prerequisite to Education 431. See also Education 354. *Three credit hours.* MR. JACOBSON

**351j Practicum in Junior High School** Five days per week to be served as an associate teacher in a junior high school, helping adolescents to learn and working with cooperating teacher(s) and support personnel. Each student will maintain a journal, prepare sample lesson plans, and write critical evaluations. Nongraded. *Prerequisite:* Permission of the instructor and successful completion of one of the courses in the education certification sequence. *Praxis. Three credit hours.* MS. MAVRINAC

**352 Psychology of Exceptional Children** Listed as Psychology 352 (q.v.). See also Education 373, 374. *Prerequisite:* Psychology 255. *Three credit hours.* MR. ZOHNER

**353, 354 Practicum in Junior High School** Five hours weekly to be served as an associate teacher in a local junior high school; written exercises and evaluations via individual and group projects. Education 351, 353, or 354 prerequisite to Education 431. Nongraded. *Prerequisite:* A major commonly taught in secondary school and permission of the instructor. *Praxis. Two or three credit hours.* MS. MAVRINAC

**373, 374 Practicum in Special Education** Five hours weekly to be served as an assistant teacher in special education at an area facility; written exercises and evaluations via individual and group projects. Nongraded. See also Psychology 352. *Prerequisite:* Permission of the instructor. *Praxis. Two or three credit hours.* MS. MAVRINAC

**411 The Teaching of English or Modern Foreign Languages** Listed as English 411 or Modern Foreign Languages 411 (q.v.). Required of majors who desire the secondary-school teaching certificate. *Three credit hours.* FACULTY

**431 Curriculum and Methods** The principles of curriculum planning and instruction, including the use of media and materials. Required for certification. See also Education 433. *Prerequisite:* A 3.0 grade point average in a major commonly taught in secondary school is expected, and permission of the instructor is required. *Three credit hours.* MR. JACOBSON

**432 Advanced Curriculum and Methods** Advanced topics in the study of the principles of curriculum planning and instruction varied to meet the needs of the individual student. Required for certification. See also Education 434. *Prerequisite:* Successful completion of Education 435 and permission of the instructor. *One to four credit hours.* MR. JACOBSON

**433 Student Teaching: Practicum** Teaching one class each day in a local secondary school. Students should arrange their schedules accordingly. Required for certification. Nongraded. *Prerequisite:* Concurrent enrollment in Education 431 and permission of the instructor. *Three credit hours.* MR. JACOBSON

**434 Advanced Student Teaching: Practicum** Teaching one class each day in a local secondary school. Students should arrange their schedules accordingly. Nongraded. *Prerequisite:* Concurrent enrollment in Education 432 and permission of the instructor. *Three or four credit hours.* MR. JACOBSON

**435j Student Teaching: Practicum** Five days per week to be served as a student teacher 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 teaching three classes daily, including planning and presenting unit and

daily lesson plans, and testing and evaluating student performance. Required for certification. Nongraded. *Prerequisite:* Education 431 and 433 and permission of the instructor. *Four credit hours.* MR. JACOBSON

**473, 474 Practicum in Adult Education** Five hours weekly to be served as an assistant teacher in a local adult education program; written exercises and evaluations via individual and group projects. Nongraded. *Prerequisite:* Permission of the instructor. *Praxis. Two or three credit hours.* MS. MAVRINAC.

**491, 492 Independent Study** Independent study of advanced topics and areas of individual interest. *Prerequisite:* Permission of the instructor. *One to three credit hours.*

FACULTY

## English

*English 152 is prerequisite to all higher numbered literature courses.*

*Chairman,* PROFESSOR JOHN R. SWENEY

*Professors Mark Benbow, John Sutherland<sup>1</sup>, Douglas Archibald<sup>2</sup>, Colin MacKay, Eileen Curran, Patrick Brancaccio<sup>3</sup>, Charles Bassett, Howard Koonce, John Mizner, Edwin Kenney, and Sweney; Associate Professors Ira Sadoff<sup>3</sup>, Dianne Sadoff<sup>3</sup>, Peter Harris, Susan Kenney<sup>1</sup>, and Phyllis Mannocchi; Assistant Professors Natalie Harris, Robert Farnsworth, Deborah McDowell, and Eric Binnie; Lecturers Patricia Onion<sup>1</sup>, Jean Sanborn<sup>1</sup>, Robert Gillespie<sup>1</sup>, Linda Tatelbaum<sup>1</sup>, David H. Mills, and Leanne F. Star<sup>1</sup>*

The English department offers literature courses in all the periods, genres, and major authors, as well as seminars in particular topics and broad literary and historical issues. There is a creative writing program in both fiction and poetry at the introductory, intermediate, and advanced levels. The department also sponsors special-topic courses and supervises about 50 independent-study projects each year. Committed to interdisciplinary studies, the department encourages team-taught courses with colleagues in chemistry, government, history, philosophy, sociology, and other departments. English is one of the most useful preprofessional majors for those who want to attend graduate schools of law, medicine, and business, as well as for those seeking jobs in commerce, industry, and government. Some majors become college or school teachers; some go into related work, such as journalism, library science, or publishing.

### **Requirements for the Major in English and American Literature**

English 221, 222, 251, and eight courses numbered 300 or higher; English 252 may be substituted for one of the eight. At least three of these must be courses in which the major focus is upon literature written before 1800, and at least three must be courses in which the major focus is upon literature written after 1800.

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 pass/fail.

Students planning to continue the study of English in graduate school should confer with their advisers 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 of success in graduate study.

The department encourages interdepartmental and interdisciplinary studies, and supports programs in American studies, black studies, women's studies, and performing arts.

<sup>1</sup>Part-time.

<sup>2</sup>Part-time second semester only.

<sup>3</sup>On leave full year.

**111, 112 Writing Laboratory** Individual or small-group tutorial for students with basic language and/or writing difficulties, whether foreign students or native speakers of English. May be taken before English 115 for three credits or concurrently with English 115 for one credit. Students may also use this course for brief periods of help in conjunction with English 115 or with other courses (with permission of both instructors) without receiving academic credit. Nongraded. *Prerequisite:* Recommendation of the department. *One or three credit hours.* MRS. SANBORN

**115d 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 freshmen unless exempted. *Three credit hours.* FACULTY

**152d, 152j Introduction to Literature** Poetry, prose, and drama from different times and cultures. Topics and texts will vary from section to section, but all sections will emphasize close reading, detailed analysis of imaginative literature, and careful critical writing. *Prerequisite:* English 115 or exemption. *Three credit hours.* FACULTY

**215 Intermediate Expository Writing** Frequent practice for students who wish to improve their ability to write papers and essays. Focus will be on development and problems of rhetorical structure. May be repeated for credit. *Prerequisite:* English 115. *Three credit hours.* MISS CURRAN

**[216] Expository Writing Workshops** Workshops for students wishing to improve their ability to write on topics studied in other courses. Student papers will be presented for workshop criticism so that they may be revised. Focus on problems of stylistic consistency and force. May be repeated for additional credit. *Prerequisite:* English 115. *Three credit hours.*

**217d Creative Writing: Poetry** Introduction to the writing of poetry, with emphasis on student manuscripts. Formerly listed as English 212. Enrollment limited. *Prerequisite:* English 115. *Three credit hours.* MR. HARRIS

**218d Creative Writing: Fiction** Introduction to the writing of fiction, with emphasis on student manuscripts. Formerly listed as English 214. Enrollment limited. *Prerequisite:* English 115. *Three credit hours.* MR. FARNSWORTH

**221, 222j, 222 Major British Writers** An introduction to British literature, with emphasis on detailed analysis and comparative readings, and some attention to the various methods of inquiry and attempts at understanding. 221: *Beowulf* through Milton. 222: Dryden to the beginnings of the modern movement. *Three credit hours.* FACULTY

**251 Major American Writers I** An introduction to American literature—the Puritans to the Civil War—with emphasis on detailed analysis and comparative readings, and

some attention to the various methods of inquiry and attempts at understanding. *Three credit hours.* FACULTY

**252d Major American Writers II** An introduction to American literature—the Civil War to the modern period—with emphasis on detailed analysis and comparative readings, and some attention to the various methods of inquiry and attempts at understanding. *Three credit hours.* FACULTY

**[275] The Art of the Narrative Film** The elements of structure, characterization, imagery, and style as they contribute to the awareness of meaning and to aesthetic response in various classic examples of filmmaking. *Three credit hours.*

**276d1 Dante in Translation** The *Vita Nuova* and the *Divine Comedy*, drawing upon the philosophy, theology, art, and literature of the period. No knowledge of Italian required. *Three or four credit hours.* MR. MACKAY

**[278] Italian Fiction and Film** The fall of fascism and postwar Italy as interpreted by Italian writers and filmmakers. Readings in translation will be drawn from the works of Levi, Silone, Pavese, Vittorini, Lampedusa, and Calvino. Films will include work of Rossellini, de Sica, Fellini, Visconti, Antonioni, and others. *Three credit hours.*

**317 Intermediate Poetry Workshop** Practice in the writing of poetry, with major emphasis on student manuscripts. *Prerequisite:* English 217 or 218 or permission of the instructor. Formerly listed as English 318. *Three credit hours.* MR. FARNSWORTH

**318d1 Intermediate Fiction Workshop** Practice in the writing of short stories, with major emphasis on student manuscripts. *Prerequisite:* English 217 or 218 or permission of the instructor. Formerly listed as English 317. *Three credit hours.* MS. KENNEY

**331 The Middle Ages** The development of western European literature in the context of medieval intellectual and cultural history. Major English and continental works from such genres as epic, romance, allegory, and lyric will be studied from a comparative point of view. *Three credit hours.* MS. MANNOCCHI

**†[332] Poetry of the Later Renaissance** An intensive study of selected poets, including Shakespeare, Donne, Jonson, Herbert, and Marvell. *Prerequisite:* English 221. *Three credit hours.*

**†[333] Topics in Renaissance Drama** A study of the genre in Renaissance drama, frequently coordinated with production of plays by the performing arts program. *Two or three credit hours.*

**334 Restoration Literature** The prose, poetry, and drama of 1660–1700, with special emphasis on the works of John Dryden. *Three or four credit hours.* MR. SWENEY

**335 The Romantic Period I** The poetry and criticism of Wordsworth, Coleridge, and Keats, designed to explore the political, conceptual, and imaginative coherence of romanticism. *Three credit hours.* MR. MIZNER

**†[336] The Romantic Hero** After tracing the development of two Byronic heroes as the sensitive, proud, guilt-ridden rebel and outsider, students will read novels of differ-



ent periods and literatures, in all of which the central characters reveal "romantic" ways of thinking, acting, and feeling. Novels include MacKenzie's *Man of Feeling*, Goethe's *Sufferings of Young Werther*, Lermontov's *A Hero of Our Time*, Brontë's *Wuthering Heights*, Flaubert's *Madame Bovary*, Conrad's *Lord Jim*, Fitzgerald's *The Great Gatsby*, Hemingway's *The Sun Also Rises*, and Lawrence's *Lady Chatterley's Lover*. *Three credit hours.*

**337d2 Modern British Literature** The origins, nature, and achievements of the modern movement in England and Ireland. Major authors will include Hardy, Eliot, Yeats, Joyce, and Heaney. *Three credit hours.* MR. ARCHIBALD

**339 Modern British Fiction** Representative British novels of the twentieth century by such writers as Conrad, Ford, Lawrence, Woolf, Forster, Waugh, Greene, and Lessing. *Three credit hours.* MR. KENNEY

**351d2 The American Renaissance I** The major works of Whitman, Hawthorne, and Melville. *Three credit hours.* MR. HARRIS

†[352] **The American Renaissance II** A close reading of the major works of Emerson, Thoreau, and Whitman, with particular emphasis on the transcendentalists' search for heightened consciousness and the connections between poetic and scientific truth. Guest lecturers and field trips. *Three credit hours.*

**353d2 The Realistic Imagination** Major works by Twain, Howells, James, and others in the context of both American and European traditions of the novel, and critical theories of the art and purpose of fiction. *Three credit hours.* MR. KENNEY

**355 Black American Literature** The major writing of black Americans, with emphasis on the fiction and poetry of the twentieth century. *Three credit hours.* MS. MCDOWELL

**356 Modern American Fiction** Selected works of American fiction since 1920—by William Faulkner, Paule Marshall, F. Scott Fitzgerald, Zora Neale Hurston, Ernest Hemingway, Tillie Olsen, Saul Bellow, Alice Walker, and others—will be analyzed, emphasizing the contrasting experiences of male and female protagonists in conflict with the modern world. In 1985, the course will be team-taught. *Three credit hours.* MR. BASSETT AND MS. MANNOCCI

**357 Modern American Poetry** Works of major twentieth-century American poets, including Robert Frost, T. S. Eliot, Ezra Pound, William Carlos Williams, Wallace Stevens, Robert Lowell, and Sylvia Plath. *Three credit hours.* MS. HARRIS

†[358] **Contemporary American Poetry** American poetry since 1960: a study of influences (the rise of internationalism, the return to forms, historical and political consciousness), aesthetic documents, and representative volumes of poetry—the deep-image and surrealist schools, the New York School, the new formalists, the political and ethnic poets, including Ashbery, Rich, Strand, Wright, Glück, and others. *Three credit hours.*

[359] **Early American Authors** Selected prose and poetry from the Puritan period, the Age of Reason, and the preromantic movement in American literature. *Three credit hours.*

**371 Comedy and Satire in the Age of Pope and Swift** Selected comedies and satires will be examined both as examples of myths or generic plots, and as psychological strategies for confronting the human condition. Readings in major writers such as Farquhar, Congreve, Pope, Swift, Gay, Smollett, and Fielding. *Three or four credit hours.* MR. SUTHERLAND

†[372] **From Johnson through Blake** Selected works by Johnson, Burke, Boswell, Sterne, Gray, Blake, and other major British writers of the second half of the eighteenth century. *Three or four credit hours.*

**373 The Development of Dramatic Art I** An examination of plays in the Western world from Greece to the early Renaissance together with a study of how they were produced. *Three or four credit hours.* MR. KOONCE

**374 The Development of Dramatic Art II** A sequel to English 373, from the later Renaissance through the neoclassic and to the early romantic period. *Three or four credit hours.* MR. KOONCE

†[375] **Modern Drama I** Discussion of typical plays of Europe and America in the context of conditions and conventions of performance, emphasizing the works of Ibsen, Chekhov, and Strindberg. *Three credit hours.*

**376 Modern Drama II** A sequel to English 375, emphasizing plays of the contemporary American and French theaters. The concepts of modern theater theoreticians and practitioners like Antonin Artaud and Jerzy Grotowski will be examined collaterally. *Three credit hours.* MR. KOONCE

**377 Victorian Literature I** Novels in parts (serialized novels) and the periodical press were two major literary developments of the nineteenth century. Students will read novels by Dickens, Thackeray, and Trollope that were originally published in parts. As background, each student will explore a corner of Colby's extensive collection of nineteenth-century periodicals. *Three or four credit hours.* MISS CURRAN

**378 Victorian Literature II** "Victorian"? The word has been considered to be synonymous with "prudish," yet "Victorian" writers were often those who did not conform to the community standards of their day. Poetry and novels by George Eliot and Thomas Hardy, and a play by G. B. Shaw; consideration of questions of acceptability, controversy, effect on moral and intellectual standards. *Three or four credit hours.* MISS CURRAN

**379d2 Blake** Close reading of a wide selection of Blake's illuminated poems. Facsimiles and slides will be used in order to emphasize visual aspects of Blake's work. *Three or four credit hours.* MR. SUTHERLAND

**383, 384 Studies in Shakespeare** Selected plays, with special attention to the intellectual background and to Shakespeare's development as a dramatist. *Prerequisite:* English 221 or permission of the instructor. *Three credit hours.* MR. BENBOW

**391d2 The Age of Chaucer** A brief survey of the popular literature of the late fourteenth century (lyrics, ballads, cycle plays, romances) as background for a study of Chaucer's major works—selected *Canterbury Tales*, the *Book of the Duchess*, the *Parliament of Fowls*, and *Troilus and Criseyde*. *Three credit hours.* MR. MACKAY

†[392] **Sidney and Spenser** The major works of these two Elizabethan authors, including Sidney's *Astrophel and Stella*, *An Apology for Poetry*, and selections from *The Arcadia*, and Spenser's *Shepherd's Calendar* and selections from *The Faerie Queene*. Readings will also be drawn from the poetry of Petrarca, Ariosto, Wyatt, and Surrey in an attempt to suggest the Renaissance background of Sidney and Spenser. *Three credit hours.*

[394] **Milton** The poetry and major prose of John Milton. *Three credit hours.*

397j **Poetry of the Early Renaissance** A close study of the lyric poetry of Wyatt, Sidney, and Shakespeare. *Two credit hours.* MR. BENBOW

411 **Teaching Writing and Reading** Theory and practice in teaching writing, close reading, and grammar, and in methods of class discussion and testing. Open to students whether or not pursuing the education program. Nongraded. *Three credit hours.* MRS. SANBORN

417d2 **Advanced Poetry Workshop** Practice in the writing of poetry, with major emphasis on student manuscripts. May be repeated once for additional credit. *Prerequisite:* English 317 or 318 or permission of the instructor. *Three credit hours.* MR. FARNSWORTH

418 **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. *Prerequisite:* English 317 or 318 or permission of the instructor. *Three credit hours.* MS. KENNEY

431d2 **History of Literary Criticism** Principles and history of literary criticism, ancient through modern, with attention to Plato, Aristotle, Coleridge, and Eliot. *Three or four credit hours.* MR. HARRIS

432j **History of the English Language** A brief study of the mechanism of speech—primarily to explain the connections between western European Romance and Germanic languages—followed by an examination of the major historical, social, literary, and linguistic reasons for changes in the sound, grammar, spelling, inflection, syntax, and vocabulary of the language from the Anglo-Saxon period to modern American English. *Three or four credit hours.* (January 1985: *three credit hours only.*) MR. MACKAY

[436] **African Prose** Fiction and autobiography dealing with such themes as African traditional culture and the coming of colonialism, the struggle for independence and the problems of development, and the reactions of Africans to the United States. Readings will be restricted to the works of authors writing in English, such as Chinua Achebe, Ezekiel Mphahlele, Peter Abrahams, James Ngugi, Stamlake Samkange, and Bessie Head. *Three credit hours.*

437j **The Literature of Existentialism** Though emphasizing the novels and plays of Sartre and Camus, this course also includes works by Dostoevsky, Tolstoy, Melville, Conrad, Beckett, Ionesco, Pinter, Abé, and Percy. Students enrolled for four credits will do fewer written assignments if they produce one of the plays studied. Also offered as French 493j. *Three or four credit hours.* (January 1985: *three credit hours only.*) MR. MIZNER

[472] **Oral Interpretation** Principles of selection, analysis, and preparation of poetry, prose, and drama for oral presentation before an audience. *Three credit hours.*

491, 492 **Independent Study** Individual projects exploring topics for which the student has demonstrated the interest and competence necessary for independent work. *Prerequisite:* Consent of a project adviser and permission of the chairman. *One to four credit hours.* FACULTY

493, 494 **Seminars in British and American Literature** Topics for 1984-85 will include Intellectual Backgrounds of Literary Modernism, Literature and Film of the Holocaust, Literature of the Black Woman Writer, Modern English-Canadian Literature, and Contemporary American Poets. Descriptions will be published before registration. *Three or four credit hours.* FACULTY

## Field Experience

-95, -96 **Field Experience** Noncurricular experience with direct, demonstrated relationship to the student's curricular program. Field experience credits are creditable toward requirements for a major only with explicit approval of the chairman of the major department or program. Nongraded, credit or no entry, unless otherwise approved. *Prerequisite:* A formal proposal filed with the associate dean of the college prior to beginning project. Praxis. *One to six credit hours.*

## French

*In the department of modern foreign languages. Unless otherwise specified, all courses numbered above 124 are conducted in French. French 142 or permission of the instructor is required for all courses numbered 200 or higher. Courses numbered 500 and above are given in the Colby in Caen program.*

*Professors Jean Bundy and Guy Filosof; Visiting Professor Dominique Lussigny<sup>1</sup>; Associate Professors Charles Ferguson<sup>2</sup>, Jonathan Weiss, and Arthur Greenspan<sup>3</sup>; Assistant Professors Jane Moss, John Westlie, and Camille Laparra<sup>4</sup>; Lecturer Dace Weiss<sup>5</sup>*  
*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 achievement test in the language or take the placement test during freshman orientation.

### Requirements for the Major in French

French 221, 222, and 231 (normally taken in the sophomore year) and at least five additional courses numbered above 222, not including 234. Of these, at least two must focus on literature written prior to the nineteenth century and two on literature of the nineteenth and twentieth centuries. Majors are expected to achieve proficiency in oral and written French. French 235, 272, and 351, while counting toward the major, may not be substituted for the century courses in French literature. Students who begin their study of French at Colby with French 123 may substitute approved courses taken in Caen for French 221, 222.

The following statements also apply:

- (1) The point scale for retention of the major is based on all French courses numbered above 124.
- (2) No major requirements may be taken pass/fail.
- (3) No more than the equivalent of four semester courses of transfer credit may be counted toward the major.
- (4) All majors in the department must take at least one course in the major approved by the major adviser each semester until graduation. For students returning from foreign study, these courses must be numbered 300 or higher.

French majors are encouraged to apply for admission to the Colby Junior Year Abroad program in Caen and to be aware of the French component of interdisciplinary programs in performing arts and women's studies.

*Teacher Certification:* Students desiring certification for teaching French should consult the department.

<sup>1</sup>Second semester only.

<sup>2</sup>Resident director, Florence program, first semester.

<sup>3</sup>On leave second semester.

<sup>4</sup>Resident director, Colby in Caen, full year.

<sup>5</sup>Part-time.

**115j Practical Phonetics** Phonetic analysis and transcription, using the international phonetic alphabet as applicable to French. *Two credit hours.* MR. FERGUSON

**121, 122 Elementary French** Introduction to the language with emphasis on audio-lingual skills. Presentation of dialogue materials supplemented with visual aids. Use of taped materials in the language laboratory is a regular part of class work. *Four credit hours.* MR. GREENSPAN, MR. WEISS, AND OTHERS

**123, 124j, 124 Intermediate French** An intermediate course emphasizing reading for direct comprehension, aural and oral skills, grammar, and vocabulary building. Materials used include literary works by Sartre and Camus, as well as full-length feature films. *Prerequisite:* French 122 or an appropriate score on the College Board French achievement test. French 123: *four credit hours*; French 124: *three credit hours.* FACULTY

**131d Conversation and Composition** Practice in writing compositions in French, with additional work in developing oral skills, building vocabulary, and idioms. *Prerequisite:* A score of 60 on the College Board French achievement test or French 124. *Three credit hours.* MME. LUSSIGNY AND MR. FERGUSON

**141, 142 Introduction to French Literature** Introduction to the reading of French literature using selected prose, poetry, and theater. Emphasis on reading, discussion, and composition. *Prerequisite:* French 124 or appropriate College Board score. Qualified students may be admitted to the second semester without the first. *Four credit hours.* FACULTY

**221, 222 Major French Authors** The evolution of French literature and thought from the sixteenth century to the present. Included among the authors read are: Montaigne, Pascal, Racine, Voltaire, Diderot, Rousseau, Stendhal, Camus, and Sartre. Non-French majors may choose to write papers and examinations in English. *Prerequisite:* French 142 or permission of the instructor. *Four credit hours.* MR. GREENSPAN AND MR. BUNDY

**231 Grammar and Composition** An advanced language course intended for majors and others wishing to do further work in French. Required of students who seek admission to Colby in Caen. Intensive grammar review and frequent practice in writing French. *Prerequisite:* French 131, 141, or 142. *Three credit hours.* MR. GREENSPAN AND MR. WEISS

**232 Introduction to French Culture** A course designed for students who have been accepted into the Colby in Caen program but open to other students as well. Major aspects of contemporary French life and culture, with continuing practice in improving oral and written language skills. *Prerequisite:* French 231 or permission of the instructor. *Three credit hours.* MR. WEISS

**234 Intensive Spoken French** Weekly practice in oral French, designed for participants in the Colby in Caen program. Drill sessions and conversation groups will be conducted by French exchange students and returning seniors under the direction of a faculty member. Nongraded. *Prerequisite:* Acceptance into the Colby in Caen program and concurrent enrollment in French 232. *One credit hour.* MR. WEISS

†[235] **Québec in Transition** The evolution of French Canada based on both literary and nonliterary texts, tracing the transition of French Canadian society from its rural beginnings to the modern, cosmopolitan province of Québec. Focus on events from World War II to the present, and topics include nationalism, migration to New England, the language question, terrorism, and the Parti Québécois. Offered alternately in English and in French. *Three or four credit hours.*

†[272] **French Film in English** A historical overview of French cinema as technology, as industry, and as art; an introduction to the technique of filmmaking; and the close analysis of selected works representative of the principal schools of film and filmmaking. All films have English subtitles. Qualified students may earn an extra credit by writing papers and examinations in French, and by attending an additional meeting per week conducted in French. Does not satisfy the College language requirement. *Three or four credit hours.*

†[335] **Seventeenth-Century French Theater** The classical theater: Corneille, Racine, and Molière. Non-French majors may choose to write papers and examinations in English. *Prerequisite:* A 200-level French course. *Three or four credit hours.*

\*336 **Eighteenth-Century French Literature** The literary climate of the Enlightenment: theater of Marivaux and Beaumarchais; novels of Montesquieu, Voltaire, and Diderot. Non-French majors may choose to write papers and examinations in English. *Three or four credit hours.* MR. BUNDY

†[338] **French Classical Comedy** A study of classical French comedy as seen in the works of Molière, Marivaux, and Beaumarchais. Non-French majors may choose to write papers and examinations in English. *Three or four credit hours.*

**351 French Canadian Literature** Analysis of important literary works from Québec and Acadia, focusing on problems of cultural identity, language, and the French-English conflict as seen in contemporary fiction. Non-French majors may choose to write papers and examinations in English. *Three or four credit hours.* MR. WEISS

†[353] **Francophone Women Authors** The female literary tradition through detailed analysis of major French and French Canadian women writers. Topics will include the role of women in society, the autobiographical element in women's novels, feminism, and the gender specificity of *l'écriture féminine*. Non-French majors may choose to write papers and examinations in English. *Three or four credit hours.*

†[357] **Nineteenth-Century French Poetry** Baudelaire and the symbolist poets: Mallarmé, Verlaine, and Rimbaud. Non-French majors may choose to write papers and examinations in English. *Three or four credit hours.*

†[358] **Nineteenth-Century French Literature** A study of realism and naturalism through representative works by such writers as Flaubert, Maupassant, and Zola. Non-French majors may choose to write papers and examinations in English. *Three or four credit hours.*

\*[375] **The French Novel of the Twentieth Century** A close reading of selected novels from twentieth-century writers such as Vian, Robbe-Grillet, Wiesel, Lagorce, and Rezvani. Non-French majors may choose to write papers and examinations in English. *Three or four credit hours.* MR. FILOSOF

†[376] **Modern French Drama** The theater of the absurd, political theater, recent trends in France, and some current French Canadian theater. Dramatic texts will be studied along with production techniques. Non-French majors may choose to write papers and examinations in English. *Three or four credit hours.*

†[378] **French Literature and Society in the Twentieth Century** A multidisciplinary course exploring some major problems in contemporary French society, using both literary and nonliterary sources. Non-French majors may choose to write papers and examinations in English. *Three or four credit hours.*

412 **Advanced Composition** An advanced practical course designed to develop and apply—through *thèmes* and *versions*—the grammatical, linguistic, and syntactic skills essential to proper written and oral expression. Enrollment limited. *Prerequisite:* French 231 or permission of the instructor. *Three credit hours.* MR. FILOSOF

491, 492 **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, 493j, 494 **Seminar in French Literature** Topics may cover an author, a genre, or a literary movement. (Fall 1984: The poetry, theater, and prose of Alfred de Musset. January 1985: Literature of Existentialism, also offered as English 437j. Spring 1985: Seventeenth-century French literature and its echoes in contemporary thought.) *Prerequisite:* Permission of the instructor. *Three credit hours.* MS. MOSS, MR. WEISS, AND MR. WESTLIE

531, 532 **Twentieth-Century Literature** Selected works by major twentieth-century French authors, including Anouilh, Queneau, St.-Exupéry, and Sartre. Offered in Caen. *Three credit hours.* FACULTY

541, 542 **Poetics** Analysis of the structure and styles of poetry; second semester is

dedicated mainly to twentieth-century poets. Offered in Caen. *Three credit hours.*

FACULTY

**543, 544 Stylistics** Intensive study of advanced French grammar and vocabulary; analysis of various styles of writing, using articles and passages from French literature. *Explications de texte.* Offered in Caen. *Three credit hours.* MS. LAFARRA

**545, 546 Romanticism and Realism** Study of trends in nineteenth-century French literature, through selected works by Rousseau, Balzac, Chateaubriand, and Stendhal. Offered in Caen. *Three credit hours.* FACULTY

## Geology

*Chairman, PROFESSOR DONALD ALLEN*

*Professor Allen; Associate Professor Harold Pestana<sup>1</sup>; Assistant Professors Robert Nelson and William Doll*

If one is interested in our planet—how it developed its present characteristics and what may happen to it in the future, where we came from and what supports us on the planet, our resources and their use—geology is a central area of study. The geology department features an unusually fine rock and mineral collection for study, an excellent small-college library, various geophysical instruments, and access to the College's new transmission and scanning electron microscopes. The setting of the College also provides an intriguing area for field study. Students are encouraged to work on independent projects and to develop ways of actively examining and interpreting observational data.

The department offers three major programs for students with different interests. For each option, at least one independent January program is required to be taken in the major during the junior or senior year. The point scale for retention of the major applies to all courses taken in the major. No requirement may be taken pass/fail.

### Requirements for the Basic Major in Geology

Geology 141, 142, 215, 232, 251, 271, 331, 351, 381, 382, 452; at least three hours of 491 or 492; Mathematics 121, 122; Chemistry 141, 142; Physics 121, 122 or 141, 142.

### Requirements for the Major in Geology-Biology

In geology: 141, 142; 215, 271, 311; six additional credit hours numbered 200 or higher.

In biology: 121, 122, 271; 12 additional credit hours.

Other courses: Chemistry 141, 142; Mathematics 121 and one additional mathematics course numbered above 121. Physics 121, 122 or 141, 142 is recommended.

A comprehensive examination is to be passed in the senior year in either geology or biology.

The point scale for retention of the major applies to all courses in geology and biology.

### Requirements for the Major in Geology-Chemistry

In geology: 141, 142, 215, and two courses from 352, 381, or 382.

In chemistry: 141, 142, 331, 341. Chemistry 241, 242, and 332 are also recommended.

A Graduate Record Examination in geology or chemistry must be taken in the senior year.

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

The point scale for retention of the major applies to all courses in geology and chemistry.



The **Earth Science Option** is offered for students planning to teach in the secondary schools; the requirements are: Geology 141, 142, 215, 251, 292, 311 (or 312), 351, 381; Chemistry 141.

The **Environmental Science Option** is designed to provide students with a core of geology courses supplemented by related courses from other departments. The requirements are: Geology 141, 142, 215, 311, 494; Biology 121, 122, 271; Chemistry 141, 142, 217 (or any of the following: 241, 242, 331, 332); Mathematics 121, 241 or 381; Physics 112 or 121 or 141; Economics 131, 132, 231; Sociology 232. Other related courses include: Biology 311, 314, 316, 318, 332, 352, 354, 356, 358; Geology 172 (or 176), 232, 333, 351, 354; Mathematics 122, 242, 382; Physics 122 or 142; Economics 293, 294, 314.

The **Bermuda Semester**. Majors may earn 12 credit hours in field study of coral reefs and carbonate environments. Geology 176, 312, and 314 are offered biennially by Colby faculty using the facilities of the Bermuda Biological Station.

<sup>1</sup>Resident director, Bermuda Semester, second semester.

**141d, 142 Introduction to Geological Science** The physical Earth and its past. Emphasis in 141 is on earth materials and physical processes; in 142, more attention is paid to energy and resources, environmental geology, and the physical and biological evolution of the Earth. Enrollment limited to five laboratory sessions of 25 students each. Lecture and laboratory; laboratory sessions will include field trips and studies. *Four credit hours.* MR. NELSON

**161j Paleontology for Non-majors** An introduction to the principles of paleontology. Laboratory work concentrates on environmental interpretation through the use of fossils. Enrollment limited. *Prerequisite:* Permission of the instructor. *Three credit hours.* MR. PESTANA

†[172] **Oceanography** A descriptive introduction to physical, dynamical, and biological oceanography. Topics will include: the structure and composition of the ocean and its floor; tides, currents, and other important dynamic features; the nature of ocean life. The value of the oceans for food and physical resources will be discussed. Lecture. *Three credit hours.*

**176 Oceanography** Similar to Geology 172 but taught at the Bermuda Biological Station. Students cannot receive credit for Geology 172 and 176. Lecture. *Three credit hours.* MR. PESTANA

**215 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), or permission of the instructor. *Four credit hours.* MR. ALLEN

**232 Structural Geology** Mechanical deformation of rocks, microfibrils, primary structures, structural associations with plate tectonics. *Prerequisite:* Geology 142. *Four credit hours.* MR. DOLL

**251 Invertebrate Paleontology** Morphology of invertebrates and general principles, including nomenclature, taxonomy, paleoecology, evolution, correlation, and techniques of identification. Lecture and laboratory. *Prerequisite:* Geology 142 or one year of biology. *Four credit hours.* MR. PESTANA

†[252] **Micropaleontology** A laboratory course covering one or more of the major microfossil groups. Emphasis will be on identification, age determination, and environmental interpretation. *Prerequisite:* Geology 251 or permission of the instructor. *One to four credit hours.*

†[254] **Advanced Invertebrate Paleontology** A laboratory course involving a detailed investigation of one or more invertebrate groups. Emphasis will be on identification, age determination, and environmental interpretation. *Prerequisite:* Geology 251 or permission of the instructor. *One to four credit hours.*

**258j, 258 Field Geology** A course of studies to be conducted off campus in a region whose climate permits field study of geologic features. Emphasis will be placed on development of fundamental concepts, analysis of field data, field identification of lithotypes, basic mapping techniques, and recognition of geomorphic features and their genetic significance. Grades will be based on field notes, reports, and maps submitted following independent projects, which will be conducted periodically over the duration of the course. *Prerequisite:* Geology 141 and permission of the instructor. *Two or three credit hours.* (Spring 1985: Offered in conjunction with Bermuda Semester. Nongraded. *Two credit hours.*) FACULTY

**271 Computer Applications and Mathematical Methods in the Earth Sciences** An introduction to computer applications and mathematical methods in the earth sciences, to provide appropriate tools for more quantitative approaches to geological problems in advanced courses. *Prerequisite:* Geology 141, 142, and permission of the instructor. *Three credit hours.* MR. DOLL

**292j Meteorology** Physical properties of the atmosphere, the origin and classification of weather types, air mass analysis and principles of prediction, and meteorology of air quality. Does not satisfy the science requirement. Lecture. *Two credit hours.* INSTRUCTOR

**311 Sedimentation** Processes of sedimentation, methods of analysis of sediments, the description and interpretation of environments of deposition, and the classification and description of sedimentary rocks. Lecture and laboratory. *Prerequisite:* Geology 142 and 215. *Four credit hours.* MR. PESTANA

\***312 Sedimentation and Carbonate Sediments** Sedimentary processes, environments of deposition, and the classification and description of sedimentary rocks. Emphasis will be on carbonate sediments and the biological aspects of sedimentation. Taught at the Bermuda Biological Station. Students cannot receive credit for Geology 311 and 312. Lecture and laboratory. *Prerequisite:* Geology 142 and 215. *Four credit hours.* MR. PESTANA

\***314 Field Study in Bermuda** Field and laboratory study of selected topics dealing with coral reefs, carbonate sediments, or other aspects of the Bermuda environment. *Corequisite:* Geology 176 and 312. *Five credit hours.* MR. PESTANA

**331 Tectonics** Large-scale features and processes of the earth, including plate movements, heat flow, and earth magnetism. *Prerequisite:* Geology 232 and Physics 122 or 142, or permission of the instructor. *Three credit hours.* MR. DOLL

†[333] **Geophysical Prospecting** Gravitational, magnetic, electromagnetic methods, and geologic mapping commonly used in mineral exploration, are studied and applied to local field areas. *Prerequisite:* Geology 232 and Physics 122 or 142, or permission of the instructor. *Four credit hours.*

†[336] **Seismology** Theory of collection and interpretation of seismic data. Both naturally occurring (earthquake) sources and artificial (exploration) sources will be considered. Body waves (P- and S-) and surface waves will be used in determining local and global structure. *Prerequisite:* Geology 232, Mathematics 121 or 123, and Physics 121 or 141. *Four credit hours.*

**351 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, some field work. At least one all-day field trip required. *Prerequisite:* Geology 141. *Four credit hours.* MR. NELSON

**352j Dating Techniques in Geology** The use of radioactive isotopes and their decay as a means of determining the ages of rocks and other geological deposits. Nonradiometric techniques will also be examined, with particular attention to their applicability and reliability. Lecture only. *Prerequisite:* Geology 142, Chemistry 141. *Three credit hours.* MR. NELSON

\***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 new earth materials. Geological and biological evolution of the landscape during the Quaternary, the most recent of the geological periods. Lecture and laboratory and several field trips (including two all-day Saturday trips). *Prerequisite:* Geology 141. *Four credit hours.* MR. NELSON

[358] **Geological Field Study** A spring-recess field trip to a selected area. Students must cover expenses. *Prerequisite:* Permission of the instructor. *One credit hour.*

†[372] **Quaternary Paleocology** 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, particularly subfossil insects, will be included. Extrapolation of past climatic parameters from the biological data. Lecture and laboratory. *Prerequisite:* Geology 142 and Chemistry 141. Geology 354 and some biology recommended. *Four credit hours.*

**374 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. *Prerequisite:* Geology 215 and Chemistry 141. *Three credit hours.* MR. ALLEN

**379 Electron Microscopy** Listed as Biology 379 (q.v.). *Four credit hours.* MR. ALLEN AND MR. CHAMPLIN

**381, 382 Optical Mineralogy; Igneous and Metamorphic Petrology** First semester:

determination of mineral composition and properties by means of petrographic microscope and emission spectrograph. Second semester: hand-specimen and thin-section examination of igneous and metamorphic rocks to determine structure, composition, and origin. Lecture and laboratory. *Prerequisite:* Geology 215. *Four credit hours.* MR. ALLEN

†[452] **Stratigraphy** Principles of stratigraphy. Includes a study of the relationships and correlation of sedimentary rocks. Laboratories include work with index fossils and a detailed analysis and correlation of well samples. Lecture and laboratory. *Prerequisite:* Geology 251 and 311. *Four credit hours.*

491, 492 **Independent Study** Field and laboratory problems in geology or environmental problems, with regular reports and a final written report. *Prerequisite:* Permission of the instructor. *One to four credit hours.* FACULTY

494 **Environmental Geology** Selected topics dealing with environmental quality. Extensive individual investigation. *Prerequisite:* Permission of the instructor. *Three or four credit hours.* MR. ALLEN

## German

*In the department of modern foreign languages. Unless otherwise specified, all courses numbered above 124 are conducted in German. German 142 or permission of the instructor is required for all higher-numbered German courses.*

Associate Professors Hubert Kueter and James McIntyre<sup>1</sup>; Assistant Professors John Reynolds and Dorothy Rosenberg

*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 achievement test in the language or take the placement test during freshman orientation.

### Requirements for the Major in German

Eight semester courses numbered above German 124.

The following statements also apply:

- (1) The point scale for retention of the major is based on all German courses beyond the intermediate level.
- (2) No major requirements may be taken pass/fail.
- (3) No more than the equivalent of four semester courses of foreign study or transfer credit may be counted toward the major.
- (4) All majors in the department must take at least one course in the major approved by the major adviser each semester until graduation. For students returning from foreign study, these courses must be numbered 300 or higher.

*Teacher Certification:* Students desiring certification for teaching German should consult the department.

<sup>1</sup>Part-time second semester only.

121, 122 **Elementary German** Introduction to the language by an audio-lingual method, with emphasis on understanding, speaking, and reading. Use of taped materi-

als in the language laboratory is a regular part of the class work. *Four credit hours.* MR. REYNOLDS AND MR. KUETER

**123, 124j, 124 Intermediate German** Continued practice in the oral-aural skills; increasing emphasis on reading and writing through use of modern prose and poetry. These studies, and the review of grammar, are supplemented with drill work in the laboratory. One section of 124j will be offered in Lübeck, Germany (for which a supplemental fee will be charged). *Prerequisite:* Appropriate score on the College Board German achievement test or German 122 (for 123) or German 123 (for 124). *Four credit hours* (January 1985: *three credit hours*). MR. KUETER AND MS. ROSENBERG

**132 Conversation and Composition** Language review, with emphasis on oral expression, written composition, and vocabulary development. *Prerequisite:* German 124 or permission of the instructor. *Three credit hours.* MS. ROSENBERG

[135] **Intermediate German for Specialized Communications** Continued practice in the oral-aural skills, with emphasis on the specialized vocabulary and phraseology needed for communication in the areas of business and economics. Study of appropriate readings from current journals and newspapers will be used as the basis for oral and written practice and a review of grammar. Cannot be counted toward the German major. *Prerequisite:* Appropriate score on the College Board German achievement test or successful completion of German 123 or above. *Four credit hours.*

**141, 142 Masterpieces of German Literature** Introduction to German literature through readings of selected masterpieces illustrative of a major literary genre and continuing practice in composition. *Prerequisite:* German 124 or equivalent. *Three credit hours.* MR. KUETER

†[175] **Fortsetzung: Deutsch** Designed for students with majors other than German who want to maintain proficiency in German. Practice in conversational skills, review of grammar, and vocabulary building. Students completing the course may take a special examination leading to a certificate of proficiency in German. *Prerequisite:* German 124 or equivalent background in German. *One credit hour.*

**197 German Singing Group** German madrigals and folk songs. Open to students currently or formerly enrolled in any German course. Some singing ability or background desirable. Non-graded. *One credit hour.* MR. KUETER

†[223, 224] **German Cultural Traditions** A chronological survey of German history from the rise of the barbarian tribes to the fall of Hitler will serve as the background for a discussion of current trends in the German-speaking countries of Europe. *Prerequisite:* German 124. *Three credit hours.*

\*232 **Advanced German** A review of German grammar at the advanced level, with directed themes and free compositions. *Prerequisite:* German 132 or 141. *Three credit hours.* MR. MCINTYRE

[335, 336] **The GDR: 1949 to the Present** Representative literary texts in the context of their historical perspective will be used to introduce and analyze the phenomenon of *Kulturpolitik*. *Prerequisite:* Successful completion of a German course numbered above 124. *Four credit hours.*

\*353 **Topics in Eighteenth-Century German Literature** Literature of the classical period: Lessing, Goethe, and Schiller. *Four credit hours.* MR. REYNOLDS

†[355] **Topics in Nineteenth-Century German Literature** The German romantic movement. *Four credit hours.*

\*358 **Topics in Twentieth-Century German Literature** German literature after 1890. *Four credit hours.* MS. ROSENBERG

397 **Deutsche Geistesgeschichte 1848-1945** Survey of German philosophy and literature from the revolution of 1848 to the end of the second World War. Areas of concentration will include the philosophical and literary responses to Germany's industrial revolution in the 1880's, the first World War, the Weimar Republic, and fascism. *Four credit hours.* MS. ROSENBERG

398 **Women in Contemporary German Fiction, GDR-BRD** Social role models and social changes reflected in a selection of German fiction from the 1960's to the 1980's. All readings in English. German majors may apply course to major by special arrangement with instructor. *Three or four credit hours.* MS. ROSENBERG

491, 492 **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], 494 **Seminar in German Literature** Topics, which change each semester, may cover an author, a genre, or a literary movement. (Spring 1985: A study of the works of Johann Wolfgang von Goethe, concentrating on *Faust I* and *II*.) *Four credit hours.* MR. REYNOLDS

## Government

*Chairman,* PROFESSOR SANDY MAISEL

*Professors Albert Mavrillac, Guenter Weissberg, William Cotter<sup>1</sup>, and Maisel; Associate Professors Charles Hauss, Calvin Mackenzie<sup>2</sup>, and Roger Bowen<sup>2</sup>; Assistant Professor Jeremy Lewis; Instructors Lizz Kleemeier and David Groth*

The department of government offers a wide-ranging program that includes courses in the subfields of American government and politics, comparative government and politics, transnational politics, and political theory and analysis. The departmental goals include exposing students to the discipline of political science and to the study of a variety of governments. Internships are encouraged so that students can experience the practical as well as the more theoretical aspects of the field. In addition, for students who intend to pursue the study of government further, the department offers an honors program that emphasizes substantial independent research under the close guidance of one or two faculty members.

### Requirements for the Major in Government

Ten semester courses in government, to include at least one seminar at the 400 level, and normally including Government 111 and 112. These courses must be distributed over the four fields of the department's work according to specific rules established by the department and available from the department chairman.

Majors in government may apply during their junior year for selection for admission to the department honors program. On successful completion of the work of the honors program and of the major, their graduation from the College will be noted as being "With Honors in Government."

The point scale for retention of the major applies to all courses in government. No government courses may be taken pass/fail by government majors.

Attention is called to the interdisciplinary program in public policy.

<sup>1</sup>Part-time first semester only.

<sup>2</sup>On leave full year.

**111 Introduction to American Government and Politics** An examination of the ideas and values that underlie the American political system, and of their contemporary manifestations in institutions, processes, and policies. Coordinated lectures presented by several members of the government faculty in their areas of specialization. Open to freshmen and, by departmental permission, to others majoring in government. *Four credit hours.* FACULTY

**112 Comparative Politics: An Introduction to Politics Outside the United States** An analysis, through case studies, of the major dimensions of domestic and transnational politics in Western democracies, Communist countries, and the Third and Fourth worlds. Coordinated lectures presented by several members of the government faculty in their areas of specialization; discussion sections headed by individual faculty members. Open to freshmen and, by departmental permission, to others majoring in government. *Four credit hours.* FACULTY

**115j British Politics** A January program in Great Britain. Students will study and observe various aspects of British politics at the national level. *Three credit hours.* MR. LEWIS

†[117] **Workshop in Political Rhetoric** The nature of modern techniques of transmitting political information and of persuading both the general public and organizational and social decision-makers, focusing on the student's skills in using those techniques. Preparation of briefing papers on current legislative items, television commentaries on current events, radio election-campaign commercials, political humor, and summaries of current judicial treatment of significant public policy matters. *Three credit hours.*

**119j An Analysis and Comparison of the Major Interpretations of Japanese Society** Classic general interpretations of Japanese society as well as specific topics such as pre-war village life, city life in Japan, and contemporary Japanese business and labor organizations. *Three credit hours.* MR. GROTH

**132 Conflict Resolution** This course will begin by dealing with the theoretical aspects of conflict resolution in the domestic and international spheres. Subsequently, it will be turned into the United Nations Security Council as constituted at the present time. Each student will assume the role of an ambassador to the United Nations and represent his or her country's position in relation to a hypothetical case. Open to freshmen only. *Three credit hours.* MR. WEISSBERG

**[211] The American System and the Shaping of the Modern Polity** An integration of the empirical study of American government and politics with the study of classical and modern theories of politics. The empirical focus is on current features of the American

national decision-making structure and process; simultaneously, the theoretical base of this structure and process is analyzed by studying key thinkers in the Western tradition, including Plato, Aristotle, Aquinas, Calvin, Hobbes, Rousseau, Hegel, and Marx. Frequent comparison is made between American decision-making systems and those of other constitutional societies. *Four credit hours.*

**213 Classical Western Political Theory** Classical Western approaches to the nature of the political order, treating such theorists and their historical periods as Plato, Aristotle, Cicero, Augustine, Aquinas, Luther, Calvin, Machiavelli, Hobbes, Locke, and Montesquieu. *Three or four credit hours.* MR. MAVRINAC

**215 Transnational Relations in the Modern World** The basic actors, theories, and systematic elements of international politics and their relationship in the fluidity of the modern world. Emphasis is placed on the search for a structure of international security, and on such subjects as transnational power politics (including the role both of traditional states and of contemporary nonstate movements), comparative conceptions of diplomacy and war as instruments of goal achievement, and institutions of collective security. Intended both for students planning further study in transnational relations and for those who will not have other occasion in college to study the shape of the international system. *Three credit hours.* MR. WEISSBERG

**218 Modern Western Political Theory** Nineteenth- and twentieth-century Western thought on the political order, with particular attention to such theorists as Rousseau, Kant, Hegel, Marx, Bentham, Mill, and Dewey, and to select twentieth-century radical and conservative critics. *Three or four credit hours.* MR. MAVRINAC

**219d Quantitative Analysis** Introduction to simple techniques for quantifying concepts and relationships of interest to political scientists, and to the use of the computer. Intended for students with little or no exposure to the computer or to quantitative methods. Enrollment limited. *Prerequisite:* Government 111 and 112, or permission of the instructor. *Three or four credit hours.* MS. KLEEMEIER

**234 European Politics** An introduction to comparative political analysis and to the politics of Great Britain, France, Italy, and the Federal Republic of Germany. Enrollment preference given to majors in government. *Four credit hours.* MR. HAUSS

†[237] **Political Development in Modern Japan** The political, cultural, historical, and economic dynamics of Japan's drive to modernize since the 1868 Meiji Restoration. Special attention will be given to the ongoing conflict between the proponents of liberal democracy and those favoring an oligarchic, authoritarian governmental system. Throughout the study, we will seek to locate the roots of Japanese democracy and militarism. *Three or four credit hours.*

**254d1 Comparative Communism** An examination of Marxist theory and the reality of the two main states calling themselves Marxist—the Soviet Union and the People's Republic of China. Also listed as History 254d1. *Three or four credit hours.* MR. HAUSS  
AND MR. FEIGON

†[271] **Asian Revolutionary Movements** An examination of revolutionary political change in India, China, and Vietnam. The social forces making for revolution, the characteristics of revolutionary leadership, and the problems of mobilization and organization in revolutionary struggles. *Three or four credit hours.*



**\*273 The American Congress** The organization, powers, and actions of the legislative branch of the American government examined in historical and contemporary perspective. *Three or four credit hours.* MR. MAISEL

**275j The Committee System in the United States Congress** An examination of the process through which Congressional committees make decisions in the modern Senate. During the first part of the course professional political science literature on committee performance will be read. The second part of the course will follow a specific piece of legislation through the appropriate committee in a concentrated simulation. *Prerequisite: Government 111. Three credit hours.* MR. MAISEL

**276 The American Presidency** The organization, powers, and actions of the executive branch of the American government examined in historical and contemporary perspective. *Three or four credit hours.* MR. LEWIS

**277d2 African Politics** Introduction to African politics through case studies of Kenya, Tanzania, South Africa, Angola, and Nigeria. *Prerequisite: Government 112 or permission of the instructor. Three or four credit hours.* MS. KLEEMEIER

**295j Internship** Month-long internships in offices such as those of attorneys, congressmen, senators, and state legislators. *Praxis. Three credit hours.* FACULTY

**297j Nuclear Weapons and Nuclear War** An inquiry into the threat and consequences of nuclear war. The course will consider the way nuclear weapons work, the history of the nuclear arms race, the current tensions between the superpowers, and the possible solutions for the problems associated with "the bomb." Enrollment limited. *Three credit hours.* MR. HAUSS

**298 United States-Japanese Foreign Relations** Japanese foreign policy in general; specific conflicts and crises in United States-Japanese relations, including World War II, the Okinawa issue, the textile dispute, and economic and trade problems. *Three or four credit hours.* MR. GROTH

**313 American Constitutional Law I** An introduction to the United States Supreme Court, constitutional litigation, and the political process by way of an emphasis on the Court and its relationship to the structure of national government, federalism, and national economic development. *Three or four credit hours.* MR. MAVRINAC

**314 American Constitutional Law II** The United States Supreme Court and the modern era of civil rights litigation. *Three or four credit hours.* MR. MAVRINAC

**316 American Political Thought** Some of the principal expressions of political values and conceptions of political structure and process as they have appeared in the course of American history. A familiarity with material covered in Government 213 and 218 is assumed. *Three credit hours.* MR. MAVRINAC

**317 The Policy-Making Process** An examination of the policy-making process, including such topics as 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. Enrollment limited to 35. *Three or four credit hours.* MR. LEWIS

**318d1 The Welfare State** The role of the modern state in providing social services and intervening to regulate a capitalist economy. A critical analysis focusing on Great Britain and Sweden. Enrollment limited. *Three or four credit hours.* MR. HAUSS

**319 Law and Social Change: Women and Minorities** An examination of the respective roles of the courts, the legislature, and the executive in declaring law and resolving disputes. The legal "case method" will be used to focus on the judicial process as it has dealt with problems of slavery and racial equality and discrimination against women in the United States, and, to a lesser extent, in England and South Africa. The Socratic method of teaching will be used, and regular class participation is required of all students. Enrollment may be limited. *Three credit hours.* MR. COTTER

**331 Colloquium on Transnational Issues** Transnational issues with domestic implications, and domestic problems with a substantial transnational impact. Topics will include the Third United Nations Conference on the Law of the Sea, human rights, the New International Economic Order, the political and legal aspects of terrorism, and third-party settlement. A substantial paper is required. *Prerequisite:* Permission of the instructor. *Four credit hours.* MR. WEISSBERG

†[332] **Political Development in the Third World** The process of political change and modernization in the Third World. An introduction to contemporary theories of political development, followed by an examination of the problems of integration, leadership, and stability in new nations. *Three or four credit hours.*

[333] **Totalitarian Government and Politics** The ideological framework, organization, operation, and evolution of such political institutions as those of the Communist world, Nazi Germany, and Fascist Italy, with major attention given to the USSR. *Three credit hours.*

[336] **International Organization** The structure, politics, and current operation of international organizations within the nation-state system, with particular emphasis on the United Nations. *Three credit hours.*

**338 International Law** The body of rules and principles of behavior that govern states and other transnational actors in their relations with each other, as illustrated in cases and texts. *Three credit hours.* MR. WEISSBERG

†[353] **Comparative Political Parties** The variety of parties and party systems in the world today. Special emphasis will be given to the declining importance of parties. In years in which Government 356 is not offered, special attention will be given to the American party system. Enrollment limited to 25. *Three or four credit hours.*

†[356] **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. *Three or four credit hours.*

†[357] **Democracy in Divided Societies** The development of the modern democratic state, focusing on those deeply divided countries that have had the most trouble sustaining liberal democracy. The origins of the modern state, the divisions that have plagued countries like France, Italy, Spain, and the Netherlands, and the various ways these countries have tried to overcome their divisions. *Three or four credit hours.*

**358d1 Contemporary Japanese Politics** A survey of the political process in postwar Japan, with emphasis on some of the major institutions of political life. Japan is considered as a political system comparable to those of other industrial democracies, in spite of marked differences in social and cultural values. *Three or four credit hours.* MR. GROTH

[377] **Special Problems in Local Government** Problems vary from year to year, but the general orientation is to a theoretical consideration of the local government process as a part of the general political process in a society. Generally, the constitutional society is the point of reference, and the comparative experience of America, England, and France is emphasized. From time to time, consideration is given to the analogous problem in the totalitarian society. *Three credit hours.*

**392 The Administrative Process** The people and agencies responsible for the implementation of public policy in the United States. Emphasis on the character of bureaucratic decision making, government organization and reorganization, public personnel systems, and administrative politics. Enrollment limited to 35. *Three credit hours.* MR. LEWIS

[393] **State and Local Government** The evolution of the federal system, with particular emphasis on current intergovernmental programs together with a comparative analysis of state and local governments, their organizational patterns, and political climates. *Three credit hours.*

**394 Pre-honors Workshop** Preparation of honors project proposal; methodological and preliminary substantive studies in a selected honors area. Terms of admission to the honors program and to this course available from the department chairman. *Prerequisite:* Junior standing as a government major and permission of the department. *One to three credit hours.* FACULTY

**397 Political Participation and Protest** An analysis of how the average citizen gets involved in politics, examining political participation and protest in industrialized, communist, and Third World nations. *Three or four credit hours.* MR. GROTH

†[412] **Colloquium on Political Theory and Constitutional Law** The evolution of political theory and of decision-making structures and processes in modern constitutional societies. The relationship of political theory to evolving doctrines of constitutional law in the United States and such other modern societies as England, France, and West Germany. Enrollment limited. *Prerequisite:* Permission of the instructor. *Four credit hours.*

**413d2 Seminar in Comparative Politics** Specific topics in comparative politics. (Spring 1985: The varying roles of the state in industrialized democracies contrasting European centralization (i.e., France and Great Britain) with American pluralistic federalism.) Enrollment limited. *Prerequisite:* Government 234 or permission of the instructor. *Four credit hours.* MR. HAUSS

†[416] **Western Intervention in the Non-Western World** Geopolitical, historical, ideological, and economic forces affecting Western involvement in the political and economic affairs of Third World nation-states. Case studies will include post-World War II instances of intervention and their impact on subsequent efforts at indigenous political

development. An attempt will be made to isolate systematically the causes and different forms of intervention before trying to develop a theory of this phenomenon. *Three or four credit hours.*

[417] **Art and Politics** A seminar inquiring into art forms as media for the expression of political values. Among others, architecture, music, painting, and sculpture will be considered, but not literary forms. *Three credit hours.*

†[432] **Seminar on Executive Leadership in the Federal Government** A research seminar examining such topics as executive selection, techniques of public management, personnel administration, policy formulation, and public liaison. *Prerequisite:* Government 276 or 392. *Three or four credit hours.*

†[433], \*434 **Seminar in American National Government and Politics** An intensive examination of a specific topic in American national political life. (Spring 1985: Women in American politics. Fall 1985: The relationship between the government and the media in America.) *Prerequisite:* Permission of the instructor. *Three or four credit hours.*  
MR. MAISEL

[436] **American Politics Seminar: Voting Behavior** An intensive examination of the social and psychological determinants of voting behavior. *Three credit hours.*

438d1 **Seminar in Policy Analysis** An intensive study of selected public policy issues. Consideration will be given first to the manner in which public policies are analyzed, and then to the application of evaluative techniques to specific areas of government decision making. *Three credit hours.* MR. LEWIS

457 **Seminar on the Foreign Policy of the United States** The formulation, objectives, and execution of United States foreign policy, with particular emphasis on the post-World War II period. Conducted in the form of the United States Senate Committee on Foreign Relations as presently constituted. *Prerequisite:* Government 215 or equivalent or permission of the instructor. *Three or four credit hours.* MR. WEISSBERG

458 **Seminar on the United Nations** Conducted in the form of a political or judicial organ of the United Nations. Case studies will be presented and analyzed, each participant assuming the role of a representative of the nation-state that is involved in the dispute. *Prerequisite:* Permission of the instructor. *Three or four credit hours.* MR. WEISSBERG

473 **Seminar in African Politics** Focus on a selected issue relevant to contemporary Africa's problems and future. *Four credit hours.* MS. KLEEMEIER

†[477] **Seminar in East Asian Politics** A focus on the demise of Japanese democracy in the 1930's and the rise of Japanese fascism, studied comparatively with similar developments in Germany and Italy. The empirical basis of the course will be augmented by a study of democratic and fascist theories, most particularly the relationship between liberal democracy and fascist ideologies in a nationalistic context. *Four credit hours.*

483, 484 **Honors Workshop** Individual and group meetings of seniors and faculty participating in government honors program. *Prerequisite:* Permission of the department. 483: Nongraded; *two credit hours.* 484: Graded; *four credit hours.* FACULTY

**491, 492 Independent Study** A study of government through individual projects  
*Prerequisite:* Government major and permission of the department chairman and instructor. *One to four credit hours.* FACULTY

**498 Politics of Ethnic Relations** Analysis of ethnic relations in a variety of industrialized and Third World nations: the nature of prejudice, strategies of ethnic minorities to fight discrimination, ethnic interdependence movements, and various policies of national governments towards ethnic minorities. *Three or four credit hours.* MR. GROTH

## Greek

*In the department of classics.*

**111, 111j Introductory Greek** Introduction to Homeric Greek. *Four credit hours.* MR. HOFMEISTER

**112 Intermediate Greek** Readings in Homer's *Iliad*. *Four credit hours.* MR. HOFMEISTER

**131 Introduction to Greek Literature** The *Odyssey* of Homer. Successful completion of this course fulfills the College language requirement. *Prerequisite:* Greek 112. *Three credit hours.* MRS. KOONCE

**232 Attic Prose** Readings in Herodotus. *Three or four credit hours.* MRS. KOONCE

[351] **Greek Literature** Thucydides. *Three or four credit hours.*

**352 Greek Literature** Sophocles. *Three or four credit hours.* MRS. KOONCE

[353] **Greek Literature** Demosthenes. *Three or four credit hours.*

[354] **Attic Poetry** Euripides. *Three or four credit hours.*

†[355] **Greek Literature** Herodotus. *Three or four credit hours.*

[356] **Greek Literature** Plato. *Three or four credit hours.*

**414d1 Seminar** Homer. *Three or four credit hours.* MR. HOFMEISTER

**491, 492 Independent Study** Reading in a field of the student's interest, with essays and conferences. *One to three credit hours.* FACULTY

[493] **Seminar** Aeschylus. *Three or four credit hours.*

# History

*Chairman*, PROFESSOR HAROLD RAYMOND

*Professors Frederick Gillum, Raymond, and Clifford Berschneider; Associate Professors Robert Kany<sup>1</sup>, Lee Feigon, and Richard Moss<sup>1</sup>; Assistant Professors Marilyn Mavrincac<sup>2</sup>, Joel Bernard<sup>1</sup>, Jane Hunter<sup>1</sup>, Robert Weisbrot, and Martha May; Lecturer Fraser Cocks<sup>2</sup>; Instructor Alan Taylor*

History provides the opportunity to expand an understanding of the human experience through the study of one's own and other cultures and societies as they have evolved through 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, and research seminars. Students are encouraged to take courses in many areas of history and in interdisciplinary programs and related fields. While 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, to include at least two courses in each of three major fields: United States history, European (including English) history, and non-Western history. At least one of the courses in each of the three fields should be at the 200 level or higher. Two of the 12 courses counting toward the major may be selected from courses in related fields subject to approval by the department.

All majors must satisfy a comprehensive requirement either by taking a designated senior seminar or by a satisfactory oral presentation on a topic in the student's field of concentration in history.

Details on the division of courses among the fields and on the comprehensive requirement are available at the department office.

At least one January program in the major must be taken and passed.

Majors in history may apply during their junior year for selection for admission to the department honors program. On successful completion of the work of the honors program and of the major, their graduation from the College will be noted as being "With Honors in History."

The point scale for retention of the major applies to all courses in history. With the exception of History 111, 112, no requirement for the major may be taken pass/fail.

<sup>1</sup>On leave full year.

<sup>2</sup>Part-time.

**111 The Rise of Europe** A survey of principal developments and trends in European history from about 1450 to about 1890. The expansion of Europe, Renaissance, Reformation, Age of Reason, Revolutionary Epoch, romanticism, liberalism, nationalism, socialism, and imperialism are all given brief attention in an introductory course designed for students who have not already studied this subject. Enrollment is restricted to freshmen and may be limited. *Three credit hours.* MR. GILLUM

**112 The Decline of Europe** The diplomatic backgrounds of World War I and World War II and the period of the cold war, with some attention to the causes and consequences of the Suez crisis of 1956, the conflict in Indo-China, and the wars in the Middle East. Enrollment is restricted to freshmen and may be limited. *Three credit hours.* MR. GILLUM

**123, 124 Survey of United States History** United States history from the age of discovery to the present. Although chronological symmetry is maintained, an effort is made to demonstrate the particular value of political, economic, and constitutional interpretations. *Three credit hours.* MR. WEISBROT AND MS. MAY

**151, 152 Self, State, and Society in East Asia** Listed as East Asian Studies 151, 152 (q.v.). *Four credit hours.* MR. FEIGON

**157, 158j, 158 Introduction to History** An examination of some of the problems posed by studying the past and an introduction to the tools and methods used by the historian. Each section will include some discussion of the general nature of history and examine in detail limited historical topics. 157: (A) Survey of Irish history from pre-Christian times to the present with emphasis on the period from 1800 to 1980; (B) Nineteenth-century Europe: a political and social survey, using computer data sets, novels, and political writings to develop individual research skills. 158j: Themes of the American Revolution: the emergence of American institutions and traditions, viewed through different interpretations of events and systems from the coming of the Revolution to the adoption of the Constitution. 158: A topic in American history. Enrollment limited; preference given to freshmen and sophomores. *Three credit hours.* MR. COCKS, MS. MAVRINAC, AND INSTRUCTOR

**212 The American Frontier** The discovery, conquest, occupation, and transformation of the American wilderness, its inhabitants, and resources from 1600 to 1890. *Three credit hours.* MR. TAYLOR

**213 African History and Cultures I** A selected survey of major themes and events in African history up to 1800. The approach will be chronological and topical, surveying specific epochs and problems of African history in chronological order. Our interests will be directed towards the history of Africa and Africans while not ignoring the influence of Europeans, Arabs, East Indians, Malaysians, or the Chinese in Africa. *Three credit hours.* MR. BROWNE

**214 African History and Cultures II** Major issues in African history from 1800 to the present, concentrating on the twentieth century. Special emphasis will be placed upon the European presence in Africa, the rise of nationalism, and selected post-independence conflicts. The people and societies of Africa, and major recent developments in their history as a background for better understanding current events. *Three credit hours.* MR. BROWNE

[215] **America and Asia: Attitudes and Relationships** A history of United States attitudes and relations with Asian countries, principally China and Japan, particularly as manifested in such episodes as the opium wars, the anti-Oriental exclusion laws, the open-door policy, the Pacific side of World War II, the Korean War, the war in Vietnam, and present-day U.S.-China and U.S.-Japan relations. The American view of East Asia will be compared with other accounts of life in the region. *Three or four credit hours.*

**216j The Chinese Revolution** Modern China, concentrating on the massive upheavals that have shaped her history in the past century, from the Taiping Rebellion of 1850-1864 to the death of Mao. *Three credit hours.* MR. FEIGON

- 217j **The Administration of John F. Kennedy** A case study in presidential leadership. *Three credit hours.* MR. WEISBROT
- †[231] **Medieval History, c. 500-1300** A historical survey of the "first Europe" of Christendom from the time of the fall of Rome and the establishment of the Christian church to the beginnings of the Renaissance. The orientation of the course will be political, but major emphasis will be given to those religious and cultural developments which made this period "The Age of Faith." *Three or four credit hours.*
- †[232] **Renaissance and Reformation, 1300-1648** A historical survey of the transformation of Christendom into the "second Europe" of sovereign states and established churches. The orientation of the course will be political, but major emphasis will be given to those religious and cultural developments which made this a period of wars and revolutions. *Three or four credit hours.*
- 235 **History of Business in American Life** The current dilemmas of the national economy, interpreted through the perspective of American economic history; the emergence of the United States as an industrial nation, the formation of key industries and the effect on workers' daily lives, and the interaction of political change, business, and labor. *Three credit hours.* MS. MAY
- 237 **The Emergence of Modern Britain, 1688-1867** England during the American, French, and Industrial revolutions. *Three credit hours.* MR. GILLUM
- 238 **The Decline of Britain, 1867-1980** Britain from the age of imperialism through the era of world wars and to the dissolution of the empire. *Three credit hours.* MR. GILLUM
- \*253 **American Diplomatic History, 1775-1898** A historical study of American foreign policy and of the diplomacy conducted by the United States from the time of its war for independence to the time of its specific involvement in the politics of world power. *Three or four credit hours.* MR. BERSCHNEIDER
- 254d1 **Comparative Communism** An examination of Marxist theory and the reality of the two main states calling themselves Marxist—the Soviet Union and the People's Republic of China. Also listed as Government 254d1. *Three or four credit hours.* MR. HAUSS AND MR. FEIGON
- †[255] **European Diplomatic History, 1815-1890** Selected topics in diplomatic history analyzing the European state system and the relations existing among the major European powers. Specific attention will be given to the theme of "The Concert of Europe" and the development of national liberation movements. *Three or four credit hours.*
- \*256 **European and American Diplomatic History, 1890-1945** Selected topics in diplomatic history analyzing the alteration of the European state system in war and revolution and the emergence of two non-European world powers, the Soviet Union and the United States. Specific attention will be given to the development of international organizations. *Three or four credit hours.* MR. BERSCHNEIDER
- 257d2 **History of Women in America** An examination of how gender has shaped the



personal and collective experiences of women; the changing definitions of femininity throughout history, women's contributions to work, and ways women have accepted or challenged notions of femininity and their roles in home, community, and the work place. *Three credit hours.* MS. MAY

†[258] **American Character and Culture** The history and meaning of America as reflected in the life experiences of some Americans. Readings include autobiographies (Franklin, Davy Crockett, Jane Addams, Malcolm X), studies of American character (de Tocqueville, Turner, David Potter), and selected fiction. *Three or four credit hours.*

271j **Feminism and Anti-feminism** An examination of feminism and anti-feminism from a historical perspective. *Three credit hours.* MS. MAY

277 **Afro-American History: From Slavery to Freedom** A study of black experience in America, focusing on the nature of racism, the experience of slavery, the role of Afro-Americans in shaping the nation's history, and the struggle for equality from colonial times until the present. *Three credit hours.* MR. WEISBROT

[278] **Afro-American History II** The struggle for equality, 1865 to the present. The continuing patterns of discrimination against blacks since the Civil War, black strategies of resistance and accommodation, and emergence of the civil rights movement as a major force in national politics. No prerequisites, but develops themes presented in History 277. *Three credit hours.*

294 **The Use of the Computer in Historical Studies** An introduction to the use of the computer and "SPSS" for historical research. Group projects using nineteenth-century United States manuscript census, French arrest and British parliamentary records, will all provide "hands-on" experience. Coding, data analysis, and critiques of quantitative history articles are included. Formerly listed as History 293. *Two or three credit hours.* MS. MAVRINAC

295j **Internship in History** Internships in museums, historical restoration, historical societies, and preservation centers. Nongraded, credit or no entry, unless otherwise approved. *Prerequisite:* Permission of the instructor. Praxis. *Zero to three credit hours.* FACULTY

[311] **Tutorial in History** Individual work in history, especially for juniors, built around weekly tutorial sessions between each tutee and the instructor. *Prerequisite:* Permission of the instructor. *Three credit hours.*

\*315 **The First World War and the Crisis of European Society** Total war without generals or heroes. Emphasis will be given to the effect of the war on British and German societies. *Three credit hours.* MR. GILLUM

[317] **The Introduction of Marxism into China** The development of Marxist ideology in Europe interwoven with the history of the evolution of Chinese thought and society in the late nineteenth and early twentieth centuries as a result of the impact of Western imperialism. The origin of the Chinese environment into which Marxist thought was received and transformed and the impact of Marxist ideas on China through the early 1930s. *Three or four credit hours.*

†[318] **The People's Republic of China** The development of Chinese Communist theories and practice since 1949 and their relation to socialist ideas and activities in other countries. Special emphasis will be placed on the socioeconomic background in China within which Maoist theory developed, particularly on the problems involved in attempting to bring about a socialist reorganization of state and society while engaged in industrial development. *Three or four credit hours.*

\*332 **Medieval England** A political survey of English history in the Saxon, Norman, Angevin, Lancastrian, and Yorkist periods. *Three credit hours.* MR. GILLUM

334d1 **Crisis and Reform: 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. *Three or four credit hours.* MR. WEISBROT

[336] **Tudor-Stuart England** The contest of religious doctrines and the conflict of political concepts, from the Renaissance monarchy of Henry VII to the "Glorious Revolution" of 1688. *Three credit hours.*

†[338] **A Constitutional and Legal History of Medieval England** English governmental and legal principles in the Saxon period, in the time of Henry II, and in the thirteenth century. Developments since 1307 will be considered briefly. *Three credit hours.*

341, 342 **History of Russia and the USSR** The expansion of the Russian state and the political and social development of the Russian people under the Tsarist and Soviet regimes. *Three credit hours.* MR. RAYMOND

\*352 **Intellectual and Cultural History of Modern Europe** A historical survey of the changes in the idea of history expressed by representative speculators from Hegel to Heidegger. Major attention will be given to the contributions made by Darwin, Marx, and Freud in the development of the modern ideologies of liberalism, Communism, and fascism, and the production of the cultural phenomenon of existentialism. *Three or four credit hours.* MR. BERSCHNEIDER

†[353] **American Culture and Society, 1865-1975** The development of modern American culture from the Gilded Age to the "Me" decade, from the Civil War to Vietnam. Social change and the evolving meaning of work, leisure, the individual, and the social experiment as reflected in literature, film, music, and art. *Three or four credit hours.*

[354] **American Intellectual History, 1865-1917** An analysis of the dominant intellectual controversies during America's transition from an agrarian to an industrialized society. Focus is upon the effort made by American thinkers to redefine the meaning of community and the relationship of the individual to that community. *Three credit hours.*

355 **The French Revolution and Napoleon** The origins and political and social development of the French Revolution and Napoleonic dictatorship, 1789-1815. Considerable attention will be given to theories of revolution. *Three credit hours.* MR. RAYMOND

- †[357] **Modern Germany** The political and economic development and the international influence of Germany from 1806 to 1945. *Three credit hours.*
- [358] **Modern France, 1815-1946** A survey of French political history from the restoration of the monarchy to the reestablishment of the republic. Attention will be given to the intellectual and cultural developments that have shaped republicanism in modern France. *Three or four credit hours.*
- 371 The American South** Social, economic, political, and cultural history of the American South from 1600 to 1980, and its troubled relationship with the rest of the Union. *Three credit hours.* MR. TAYLOR
- 372 The American Civil War** The origins of the Civil War and its military and political history from about 1850 to 1865. *Three credit hours.* MR. RAYMOND
- [373] **American Political History, 1865-1929** American reform from the Reconstruction to the influence of the progressives. Topics include the changing nature of national politics in response to sectional and racial tensions, the growth of industry and urban life, agrarian and labor discontent, and the country's deepening involvement in world affairs. *Three or four credit hours.*
- †[374] **American Political History, 1929 to the Present** The accelerated growth of federal power and responsibilities in meeting the challenges posed by the Great Depression, World War II, national security needs in a nuclear age, and rising demands by blacks and other minorities for equal rights. No prerequisites, but develops themes presented in History 373. *Three or four credit hours.*
- 376d1 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. *Three or four credit hours.* MR. TAYLOR
- 378 The United States, 1783-1860** The problems of the new nation, including the Constitution, geographical expansion, religious revivalism, reform, democracy, slavery, and sectionalism. *Three credit hours.* MR. TAYLOR
- [379] **Black History** The history of the black American and race relations from the Harlem Renaissance to 1955, including blacks and the New Deal and World War II, and events in the Truman and Eisenhower administrations. *Prerequisite: History 277, 278, or permission of the instructor. Three credit hours.*
- \***381, 382 Islamic History, 622-1945** A survey of Islamic history from Hegira (622) to World War II (1945). Particular emphasis will be given to those portions of the Islamic world—the Near East and the Middle East—having greatest impact on the West. An effort will be made to interrelate social and cultural developments with more traditional political and economic interpretations. *Three or four credit hours.* MR. BERSCHNEIDER
- 392 The Industrial Revolution** The comparative social and economic history of industrialization in Europe and America, from 1750 to 1900. *Three credit hours.* MR. TAYLOR

[393] **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. *Three credit hours.*

**415 Seminar in American History** Specific topics in American history. (A): The shaping of American foreign policy since 1945 by domestic politics, democratic ideology, and global strategy; readings focus on the roots of the cold war, confrontations with the Communist world, and the shattering of our anti-Communist consensus during American intervention in Southeast Asia. (B): Use of research materials derived from Kennebec County, Maine, and enlisting the methods of social history to reconstruct the patterns of life in eighteenth- and nineteenth-century America. *Prerequisite:* Permission of the instructor. *Three or four credit hours.* MR. WEISBROT AND MR. TAYLOR

**416 Seminar in American History** Specific topics in American history. (A): Ways of Seeing: Photography and the American Genteel Tradition, 1890-1940. An examination of the principal cultural beliefs of American Victorianism, and how the works of major photographers reflect these beliefs. (B): Readings and research in American history. *Prerequisite:* Permission of the instructor. *Three or four credit hours.* MR. COCKS AND MS. MAY

**417 Seminar in Diplomatic History** Fall 1984: Vietnam, a case study in the diplomacy of the cold war; an analysis of the involvement of France and the United States in the movement for Vietnamese independence. *Prerequisite:* Permission of the instructor. *Three or four credit hours.* MR. BERSCHNEIDER

[419] **Seminar in Medieval History** The Crusades, 1095-1274. A critical study of the history and the historiography of the medieval holy wars. Readings in the medieval chronicles of the Crusades as well as secondary interpretive accounts. *Prerequisite:* Permission of the instructor. *Three or four credit hours.*

**432 Seminar in Black History** "Black Thought and Leadership." An intensive examination of selected leaders in Afro-American history, focusing particularly on civil rights activists and black nationalists of the past century. W. E. B. DuBois, Marcus Garvey, Martin Luther King, and Malcolm X are among those whose biographies and writings will be explored. *Prerequisite:* Permission of the instructor. *Three or four credit hours.* MR. WEISBROT

**457d2 Seminar in Modern Chinese History** The Chinese Trotskyite Movement; Trotsky's works on the Chinese revolution, the Trotsky-Stalin debate, the Chinese Trotskyite movement and its failure. *Prerequisite:* Permission of the instructor. *Four credit hours.* MR. FEIGON

**491, 492 Independent Study** A study of history through individual projects. *Prerequisite:* Permission of the instructor. *One to four credit hours.* FACULTY

[494] **The Holocaust** An examination of the Holocaust through literary and historical approaches, drawing on both primary and secondary sources, exploring the facts of the Holocaust, and confronting the moral and philosophical challenges posed by the event. Concurrent enrollment in appropriate section of English 494 required. *Prerequisite:* Permission of the instructors. *Three credit hours.*

# Human Development

*Acting Director*, PROFESSOR JONAS ROSENTHAL

STEERING COMMITTEE: Professors Miriam Bennett (Biology), Yeager Hudson<sup>1</sup> (Philosophy), Judith Modell<sup>1</sup> (Anthropology and Human Development), Robert Reuman (Philosophy), Nicholas Rohrman (Psychology), and Rosenthal (Sociology)

ADVISORY COMMITTEE: Professors Thomas Easton (Biology), Frederick Geib<sup>2</sup> (Sociology), Harold Jacobson (Education), Diane Kierstead (Psychology), Francis Parker (Philosophy), Paul Perez (Psychology), Sonya Rose (Associate Dean of the College), and six students

A multidisciplinary study of the origin and development of man. Academic aims of the program are to provide an understanding of the development of man as a biological and psychological organism; an appreciation of the relationship between the individual and his social environment; an opportunity to consider possible future directions for both the individual and society; and working experience with a local, state, or regional agency involved in some aspect of human development.

## Requirements for the Major in Human Development

In biology: 121, 122, and either 134 or 271.

In human development: 394, 493.

In philosophy: 331, 332.

In psychology: 111 and two additional courses, not to include 214 or 255.

In sociology: 121, 122, and one additional course in sociology or anthropology, not to include Sociology 237 or 271.

Either Sociology 271 or Psychology 214.

Either Psychology 255 or Sociology 237.

An additional nine credit hours above the introductory level in one of the following areas: anthropology, biology, philosophy-religion, psychology, or sociology.

At least one independent study project in human development taken either in January or one of the semesters.

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

<sup>1</sup>On leave full year.

<sup>2</sup>On leave second semester.

**394 Seminar** The study of multidisciplinary perspectives on problems in human development. *Two credit hours.* MS. ROSE

**491, 492 Independent Study** Individual study of special problems in human development 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

**493 Seminar in Human Development** An interdisciplinary seminar required of all senior majors in human development. Students are expected to integrate their previous work in the major into an articulated perspective. *Three credit hours.* MR. PARKER

## Italian

*In the department of modern foreign languages.*

**121, 122, 123, 124 Intensive Italian in Florence** A first-semester intensive program offered in Florence, Italy, and open only to incoming freshmen. *Fifteen credit hours.*

MR. FERGUSON

†**[121, 122] Elementary Italian** Introduction to the language, with emphasis on understanding, speaking, and reading. Use of taped materials in the language laboratory is a regular part of the class work. *Four credit hours.*

†**[123, 124] Intermediate Italian** Intensive review of the fundamentals of the language. Practice in the oral-aural skills, supplemented by work in the language laboratory and composition, all based on a variety of modern readings. *Prerequisite:* Italian 121, 122, or permission of the instructor; 124 may not be taken without 123 except with permission of the instructor. *Three credit hours.*

**138 Introduction to Italian Literature and Culture** Representative works by major authors since Unification, emphasizing the period since World War II. Parallel readings in the historical and cultural background. Regular practice in composition. *Prerequisite:* Italian 124 or permission of the instructor. *Four credit hours.* MR. FERGUSON

## January Program

**091j, 291j Individual Projects** Each department and interdisciplinary major sponsors a number of individual January program projects, primarily for majors, to be offered under the appropriate subject heading. At the time of registration the student and sponsor will determine if the project is to be graded or nongraded, and if it is to be for credit or noncredit. The number of credits possible varies with department or program. *Prerequisite:* Permission of the sponsor. 091j: *noncredit.* 291j: *two or three credit hours.*

FACULTY

**Other January Programs** Courses to be offered in January are listed with the department of the faculty member sponsoring the course. Listings of all available January programs will be available in October, when students register for the January term. Enrollment will be limited in most courses, and freshmen will have priority in all 100-level courses.

## Japanese

*In the department of modern foreign languages. All courses in Japanese are part of the East Asian studies program.*

**121, 122 Elementary Japanese** Introduction to the spoken and written language, to provide a thorough grounding in all the language skills: speaking, listening, reading, and writing. *Four credit hours.* MS. ANDERSON

**123, 124 Intermediate Japanese** A continuation of the methods and goals used in elementary Japanese. *Prerequisite:* Japanese 122. *Four credit hours.* MS. ANDERSON

**271j Japanese Literature in Translation** A survey of important works of Japanese literature, emphasizing classical Japanese writers. *Three or four credit hours.* MS. ANDERSON

**272 Japanese Literature in Translation** A survey of important works of Japanese literature, emphasizing the period from 1868 to the present. *Three or four credit hours.* MS. ANDERSON

**321, 322 Advanced Japanese** Advanced readings in Japanese. Designed primarily for those students who have had substantial experience in a Japanese-speaking setting. *Prerequisite:* Japanese 124 or permission of the instructor. *Three or four credit hours.* MS. ANDERSON

**491, 492 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

## Latin

*In the department of classics.*

**111 Intensive Elementary Latin** An intensive course in Latin grammar and syntax. *Four credit hours.* INSTRUCTOR

**112 Intermediate Latin** Selected readings from Cicero. *Three credit hours.* MR. WESTERVELT

**113 Introduction to Latin Literature** Readings in Livy. *Three credit hours.* MRS. KOONCE

**232 Introduction to Latin Poetry** Readings in Terence. Successful completion of this course fulfills the College language requirement. *Prerequisite:* Latin 113 or permission of the instructor. *Three or four credit hours.* MR. WESTERVELT

[251] **Latin Literature** Roman drama. *Three or four credit hours.*

\*351 **Latin Literature** Lucretius. *Three or four credit hours.* INSTRUCTOR

[352] **Latin Literature** Livy. *Three or four credit hours.*

†[353] **Latin Literature** Roman elegy and lyrics. *Three or four credit hours.*

[354] **Latin Literature** Cicero: selected speeches. *Three or four credit hours.*

[355] **Latin Literature** Roman satire. *Three or four credit hours.*

[356] **Latin Literature** Cicero: letters. *Three or four credit hours.*

\*357d2 **Latin Literature** Horace: *Odes* and *Ars Poetica*. Three or four credit hours.

MR. HOFMEISTER

[358] **Latin Literature** Tacitus. Three or four credit hours.

[359] **Latin Literature** Virgil: *Eclogues* and *Georgics*. Three or four credit hours.

[371] **Latin Literature** Terence. Three or four credit hours.

491, 492 **Independent Study** Reading in a field of the student's interest, with essays and conferences. One to three credit hours by prior arrangement. FACULTY

†[494] **Seminar** Virgil: *Aeneid*. Three or four credit hours.

## Legal Studies

Director, PROFESSOR ALBERT MAVRINAC

ADVISORY COMMITTEE: Professors William Cotter (Government), Frederick Gautschi<sup>1</sup> (Administrative Science), Frederick Gillum (History), Sandy Maisel (Government), Mavrinac (Government), Robert McArthur (Philosophy), James Meehan (Economics), Sonya Rose (Associate Dean of the College), and Guenter Weissberg (Government)

The legal studies program consists of a selection of courses that examine the law and the legal process from diverse disciplinary perspectives. In the tradition of the liberal arts, these courses focus on the law as it relates to other areas of knowledge. The program is designed for the student who is not planning to go to law school and is specifically not part of a pre-law curriculum. Courses range from those dealing with such specialized areas of the law as constitutional, international, and business, to those which examine the law in the broader perspectives of economic thought or moral philosophy. Some courses focus on the Anglo-American common law, while others use comparative techniques to gain insights into the legal systems of other societies with different legal traditions. The professors in these courses come from many disciplines and are all active in research, writing, or consulting on legal matters or related subjects. Two are members of the bar; one is a specialist in the law of the sea; others have had extensive specialized training in American law schools; several have worked in or with federal, state, or foreign governments.

Students who are interested in attending law school should consult the committee on professional preparation for law and government service, and should avoid overconcentration on law-related courses as undergraduates.

### Courses Offered in the Legal Studies Program

*Administrative Science*: 354 Law.

*Economics*: 313 Topics in Law and Economics; 331 Industrial Organization and Anti-trust Economics; 332 Regulated Industries.

*Government*: 313 American Constitutional Law I; 314 American Constitutional Law II; 319 Law and Social Change: Women and Minorities; 338 International Law; 412 Colloquium on Political Theory and Constitutional Law; 458 Seminar on the United Nations.

*History*: 338 A Constitutional and Legal History of Medieval England.

*Philosophy*: 118 Central Philosophical Issues: Philosophy of Law.

<sup>1</sup>On leave full year.



# Linguistics

*In the department of modern foreign languages.*

**211 Introduction to Linguistics** A multidisciplinary introduction to language, covering phonetics, morphology, syntax, language acquisition, and genealogical and typological relationships of languages of the world. The relationship of language to the fields of philosophy, English, philology, biology, physics, intellectual history, political science, and anthropology. *Prerequisite:* Successful completion of any intermediate language course or demonstration of equivalent proficiency. *Three credit hours.* MR. SO

[212] **Man, Woman, and Language** Human communication and culture. The scope of the course is broad; possible topics include dialects, women's speech, semantics, pragmatics, black English, nonhuman communication, jokes, logic, and lies. *Prerequisite:* Linguistics 211 or permission of the instructor. *Three credit hours.*

**Related Courses** Other courses recommended for students interested in linguistics are Biology 377 (Topics in Neurobiology) (q.v.), Biology 378 (Animal Behavior), English 432 (History of the English Language), and Psychology 238 (Psychology of Language).

# Literature in Translation

*Offered by the departments of classics, English, and modern foreign languages.*

**133d2 Greek Myth and Literature** Listed as Classics 133 (q.v.). *Three or four credit hours.* MR. WESTERVELT

**218 Latin American Civilization** Listed as Spanish 218 (q.v.). *Three credit hours.* MR. OLIVARES

†[223, 224] **German Cultural Traditions** Listed as German 223, 224 (q.v.). *Three credit hours.*

\*225, 226 **Russian Culture and Civilization** Listed as Russian 223, 224 (q.v.). *Three credit hours.* MR. MILLER

[232] **Greek Tragedy** Listed as Classics 232 (q.v.). *Three or four credit hours.*

†[234] **The Heroic Ideal in Early Greek Poetry** Listed as Classics 234 (q.v.). *Three or four credit hours.*

†[235] **Québec in Transition** Listed as French 235 (q.v.). *Three or four credit hours.*

†[237, 238] **Russian Literature in Translation I, II** Listed as Russian 237, 238 (q.v.). *Three credit hours.*

**252 Chinese Poetry in Translation** Listed as Chinese 252 (q.v.). *Three credit hours.* MS. YANG

- 253j **China's Revolutionary Writers in Translation** Listed as Chinese 253 (q.v.). *Three credit hours.* MS. YANG
- [254] **The Classic Chinese Novel in Translation** Listed as Chinese 254 (q.v.). *Three credit hours.*
- 271j, 272 **Introduction to Japanese Literature in Translation** Listed as Japanese 271, 272 (q.v.). *Three credit hours.* MS. ANDERSON
- 276d1 **Dante in Translation** Listed as English 276 (q.v.). *Three or four credit hours.* MR. MACKAY
- [278] **Italian Fiction and Film** Listed as English 278 (q.v.). *Three credit hours.*
- 373, 374 **The Development of Dramatic Art I, II** Listed as English 373, 374 (q.v.). *Three credit hours.* MR. KOONCE
- †[375], 376 **Modern Drama I, II** Listed as English 375, 376 (q.v.). *Three credit hours.* MR. KOONCE
- 398 **Women in Contemporary German Fiction: GDR-BRD** Listed as German 398 (q.v.). *Three credit hours.* MS. ROSENBERG
- 437j **The Literature of Existentialism** Listed as English 437 (q.v.). *Three credit hours.* MR. MIZNER

## Mathematics

*Chairman*, ASSOCIATE PROFESSOR HOMER HAYSLETT

*Associate Professors* Donald Small, Hayslett, and David Kurtz; *Assistant Professors* Dale Skrien<sup>1</sup>, Carol Bassett<sup>2</sup>, John Hosack, Kenneth Lane<sup>1</sup>, John Gimbel, William Gordon, and Robert Kurtz

The mathematics department offers courses in computer science (see listings under "Computer Science") and mathematics for students who: (1) plan a career in an area of pure or applied mathematics or computer science; (2) need mathematics as support for their chosen major; or (3) elect to take mathematics as part of their liberal arts education or to partially fulfill the science requirement.

Colby mathematics majors in recent years have entered graduate school to do advanced work in such areas as mathematics, statistics, computer science, biomathematics, and physics. They have also used the major as a solid foundation for careers in teaching, law, insurance, banking, management, and other areas.

### Requirements for the Major in Mathematics

Mathematics 361, 362, 401, 402, 433, 434; and 12 additional hours selected from the following: Mathematics 311, 312, 315, 332, 352, 372, 381, 382, 491, 492, and Computer Science 231.

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

Freshmen planning to major in mathematics or one of the physical sciences should elect Mathematics 123 or should elect in the sequence Mathematics 121, 122, 221, 222

(advanced placement or high school background would determine where a student should enter the sequence).

Attention is called to the interdepartmental majors in administrative science-mathematics, economics-mathematics, philosophy-mathematics, and psychology-mathematics.

<sup>1</sup>On leave full year.

<sup>2</sup>Part-time.

**011j Pre-Calculus** Designed to prepare students for Mathematics 121 or 123. Topics include: algebra of equations and inequalities; relations and functions; rectangular and polar coordinates; conic sections. *Non-credit.* INSTRUCTOR

**111 Introduction to Mathematics** The historical and contemporary role of mathematics in culture and intellectual endeavor; history of mathematics; the nature of contemporary mathematics; mathematics as a tool for problem solving. *Three credit hours.* MR. HAYSLETT

**112 Non-calculus Statistics** Description of data, elementary probability, confidence intervals, tests of hypotheses, non-parametric statistics, use of computer statistical packages. *Four credit hours.* MR. HAYSLETT

[113] **Elementary Linear Algebra** Basic concepts and techniques of linear algebra that will be useful in further applications of mathematics. Systems of equations and matrices are used as vehicles for this study. May not be taken for credit if the student has earned credit for Mathematics 221. *Three credit hours.*

**115j Finite Mathematics** Selected topics from modern mathematics, including probability, logic, linear programming, and the theory of games. Statistics is not treated but is offered in other courses. *Three credit hours.* INSTRUCTOR

**121d Calculus I** Differential and integral calculus of one variable: limits and continuity, differentiation and its applications, antiderivatives, the definite integral and its applications. *Four credit hours.* FACULTY

**122d Calculus II** Further study of differential and integral calculus of one variable: exponential and logarithmic functions, techniques of integration, infinite series. *Prerequisite:* Mathematics 121. *Three credit hours.* FACULTY

**123 Calculus of One and Several Variables I** Differential calculus of one and several variables: functions, limits, continuity, differentiation. May not be taken for credit if the student has earned credit for Mathematics 121 or higher. Recommended for students who have had a calculus course in high school. Note that Mathematics 123 and 124 satisfy all calculus prerequisites for upper-level courses. *Four credit hours.* FACULTY

**124 Calculus of One and Several Variables II** Integral calculus of one and several variables: integration, infinite series, introduction to differential equations. May not be taken for credit if the student has earned credit for Mathematics 122 or higher. Note that Mathematics 123 and 124 satisfy all calculus prerequisites for upper-level courses. *Prerequisite:* Mathematics 123. *Four credit hours.* FACULTY

- 127 Introduction to Discrete Mathematics** A study of logic, sets, relations, and combinatorics. *Three credit hours.* FACULTY
- 128 Computational Linear Algebra** An introduction to linear algebra, taught from a computational and algorithmic point of view: matrices and determinants, linear systems, vector spaces, and eigenvalues. *Prerequisite:* Mathematics 127 and programming experience. *Three credit hours.* INSTRUCTOR
- 221d Linear Algebra** Solutions of linear systems of algebraic equations and matrix algebra. Also an introduction to linear spaces and linear transformations; theory and applications of determinants, eigenvalues and eigenvectors of linear transformations and matrices, and the principal axis theorem; quadratic forms. *Prerequisite:* Mathematics 122 or 124. *Three credit hours.* FACULTY
- 222d Multivariable Calculus** Topics in multivariable calculus. *Prerequisite:* Mathematics 122. *Four credit hours.* FACULTY
- 231d Elementary 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. May not be taken by students who have taken Mathematics 241. *Prerequisite:* Mathematics 121 or 123. *Four credit hours.* MR. GORDON
- 241d, 242 Elementary Statistics I, II** Statistics I: Descriptive statistics, elementary probability theory, binomial and normal distributions, elementary sampling theory, tests of hypotheses, confidence intervals, correlation. Applications are emphasized. Offered each semester. Statistics II: A continuation, including regression, analysis of variance, and nonparametric statistics. Offered second semester only. Neither course open to mathematics majors or students who have taken Mathematics 231. *Prerequisite:* Mathematics 121 or 123. Mathematics 241: *four credit hours*; 242: *two credit hours.* MR. R. KURTZ
- 311 Introduction to Differential Equations** Theory and solution methods of first- and second-order ordinary differential equations with applications; first-order linear systems, solutions, and stability. *Prerequisite:* Mathematics 128 or 221, and 124 or 222. *Three credit hours.* MR. GORDON
- \*312 Topics in Differential Analysis** A continuation of Mathematics 311. Partial differential equations, particularly linear equations. Also Fourier series, Fourier transforms, Sturm-Liouville theorem as applied to partial differential equations; an introduction to potential theory; Green's functions. *Prerequisite:* Mathematics 311. *Three credit hours.* MR. GORDON
- 315 Introduction to Mathematical Systems** Qualitative discussion of the nature of systemic analysis, with examples drawn from computer science, ecological systems, human physiology, physics, and economics. Topics include linear systems of differential equations, control theory, nonlinear stability theory, numerical solutions of systems, discrete systems. *Prerequisite:* Mathematics 221, or 124 and 128, and knowledge of a computer language. *Three credit hours.* MR. HOSACK

†[332] **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. A time-sharing computer system will be used to solve problems. *Prerequisite:* Some programming experience (FORTRAN recommended), Mathematics 128 or 221, and 124 or 222. *Three credit hours.*

\*352 **Complex Variables** The arithmetic and calculus of complex numbers. The properties of analytic functions, including mapping by elementary functions, conformal mapping, residues, and poles. *Prerequisite:* Mathematics 128 or 221, and 124 or 222. *Three credit hours.* INSTRUCTOR

361, 362 **Higher Algebra** Introduction to algebraic structures, such as groups, rings, integral domains, and fields. *Prerequisite:* Mathematics 221, or 124 and 128, or permission of the instructor. *Three credit hours.* MR. GIMBEL

372 **Discrete Mathematics** Selected topics in modern mathematics and operations research that have applications in current societal problems. The content will vary from year to year, but topics such as graph theory, combinatorics, game theory, linear programming, optimization techniques, and Markov chains may be considered. *Prerequisite:* Mathematics 221, or 124 and 128, or permission of the instructor. *Three or four credit hours.* MR. D. KURTZ

381, 382 **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, emphasis is on theory. *Prerequisite:* Mathematics 124 or 222. *Three credit hours.* MR. HAYSLETT

401, 402 **Mathematics Seminar** Discussion of topics in pure and applied mathematics. Nongraded. *Prerequisite:* Senior standing in the mathematics major or a combined major including mathematics. *One credit hour for the year.* FACULTY

433 **Real Analysis** More advanced topics of calculus and an introduction to real analysis. *Prerequisite:* Mathematics 124 or 222 and senior standing, or permission of the instructor. *Three credit hours.* MR. SMALL

434 **Topics in Advanced Mathematics** Content may vary from year to year, but topics such as topology, measure theory, functional analysis, or related areas may be considered. *Prerequisite:* Mathematics 433. *Three credit hours.* MR. SMALL

491, 492 **Independent Study** Independent study in an area of mathematics of particular interest to the student. *Prerequisite:* Mathematics major and permission of the department. *Two to four credit hours.* FACULTY

## Modern Foreign Languages

Chairman, ASSOCIATE PROFESSOR JONATHAN WEISS

Professors Jean Bundy, Henry Holland<sup>1</sup>, Francisco Cauz<sup>2</sup>, and Guy Filosof; Visiting

Professor Dominique Lussigny<sup>3</sup>; Associate Professors Hubert Kueter, Charles Ferguson<sup>4</sup>, Priscilla Doel, Jonathan Weiss, James McIntyre<sup>5</sup>, and Arthur Greenspan<sup>6</sup>; Assistant Professors Frank Miller, John Reynolds, Chung So, Jane Moss, John Westlie, Camille Laparra<sup>7</sup>, Jorge Olivares, Dorothy Rosenberg, Jane Yang, James Airozo, and Marcia Tardito; Instructor Kiyoko Morita Anderson; Lecturers Barbara Nelson<sup>8</sup>, and Dace Weiss<sup>9</sup>

The programs in modern foreign languages are designed to bring students into close contact with the products of imagination and inquiry of other cultures; at the same time, the study of foreign languages and literatures heightens one's awareness of one's own culture. Students have the opportunity to study in a wide variety of areas, some interdisciplinary, and to spend their junior year abroad either at Colby's own programs in Caen or 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 languages and literatures, but this is not always the case. When languages are combined with course work in history, government, economics, or the natural sciences, career possibilities in law, medicine, business, and government are enhanced. Prospects for teaching languages are somewhat limited, but needs do exist in certain areas, and the department offers both courses and practical training in this field.

*Note:* Majors are offered in French, German, and Spanish; the department also offers instruction in Chinese, Italian, Japanese, Portuguese, and Russian.

Students interested in Russian are invited to consider an independent major, combining their study of Russian with another area of concentration (another language or literature, art, economics, history, music, philosophy, or sociology).

*Teacher Certification:* Students desiring certification for teaching French, German, or Spanish must take Modern Foreign Languages 411, and may in some cases be required to take other specified courses.

<sup>1</sup>Resident director, Cuernavaca program, first semester.

<sup>2</sup>Resident director, Colby in Salamanca, full year.

<sup>3</sup>Second semester only.

<sup>4</sup>Resident director, Florence program, first semester.

<sup>5</sup>On leave first semester; part-time second semester.

<sup>6</sup>On leave second semester.

<sup>7</sup>Resident director, Colby in Caen, full year.

<sup>8</sup>Part-time.

**411 Teaching of Modern Foreign Languages** Problems and methods of teaching modern foreign languages. Readings, discussions, practice work, and criticism. Counts as three hours in education toward the Maine secondary-school teaching certificate. Conducted in English. *Prerequisite:* Two 200-level modern foreign literature courses. *Three credit hours.* MR. BUNDY

**491, 492 Independent Topics in Modern Foreign Languages** Individual projects in language or literature in which the student has demonstrated the interest and competence necessary for independent work. *Prerequisite:* Permission of the department chairman. *Two to four credit hours.* FACULTY

## Music

*Chairman,* ASSOCIATE PROFESSOR PAUL MACHLIN

*Associate Professors Adel Heinrich, Dorothy Reuman<sup>1</sup>, and Machlin; Assistant Professors Bryan Gilliam and Jonathan Hallstrom*

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 the broadest possible range of 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 is an art which bears an intimate relationship to the cultural and social matrix from which it springs is reflected in the wide 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, an 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, Strider Theater, and the McPartland Music Shell. The fine arts library contains a listening center, tapes and recordings, and resource materials for curricular and recreational needs.

#### **Requirements for the Major in Music**

Music 181, 182, 221, 222, 237, 238, 281, 282, 493 or 494, and at least two courses in Music at the 300 level; also, at least four semesters of graded credit in applied music (individual study or ensemble). Some skill at the keyboard is required of all majors; consult the department. Students wishing to pursue graduate study in musicology are advised that a reading knowledge of French and German is a general requirement for such study.

The point scale for retention of the major applies to all courses in music history and theory. No requirement for the major may be taken pass/fail.

Attention is called to the interdisciplinary majors in American studies and performing arts and to the program in women's studies.

<sup>1</sup>Part-time.

**091j Applied Music** Individual instruction for students who wish to devote the month of January to the study of voice or an instrument. Two half-hour lessons weekly, supplemented by individual daily practice, by reading and listening assignments, and by a final performance and research paper. Similar arrangements can be made for students studying off campus. For additional information concerning fees and related matters, see the applied music statement following Music 499. Interested students should consult the department before registering. *Prerequisite:* Permission of the department. *Noncredit.* STAFF

**111d Introduction to Music** The development of perceptive listening and an introduction to the Western musical tradition through the study of selected works. No previous knowledge of music assumed. Cannot be counted toward the music major. *Three credit hours.* MR. GILLIAM

**\*133 American Popular Song of the Twentieth Century** A study of popular song in America from the Tin Pan Alley era to 1970's Rock, encompassing the work of several composers (e.g., Gershwin, Porter, Ellington), performers (Astaire, Fitzgerald, Charles, Franklin), and singer-songwriters (Waller, Dylan, Nyro, Lennon and McCartney), and surveying a variety of genres (Tin Pan Alley, Rhythm and Blues, Folk, Rock, Soul). *Three credit hours.* MR. MACHLIN

†[151] **Music in the Liberal Arts** An exploration of relationships between the art of music and other areas within the liberal arts. Such areas might include physics,

mathematics, physiology and psychology, philosophy and aesthetics, the visual arts, anthropology and sociology, language and literature, historical or area studies, theater and dance, and religion. *Three credit hours.*

**153d 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. May not be taken for credit in addition to Music 181. *Three credit hours.*

FACULTY

**181, 182 Music Theory I, II** Within a sequence of courses designed to present analytical skills for understanding the elements and structure of tonal music, Music Theory I covers skills pertaining to notation, intervals, scales, tonality, and melodic construction. Includes ear training and sight singing. Music Theory II is a continuation of these skills and includes an introduction to four-part writing. Laboratory required in each course: a one-hour ear-training session per week. Primarily for music majors and others with prior training in music. Formerly listed as 171, 172. *Prerequisite:* Permission of the instructor. *Four credit hours.* MR. HALLSTROM AND MRS. REUMAN

**191, 192 Applied Music: Individual Study** Instruction in voice and instruments for qualified students. Possible offerings, depending upon demand, include electronic music, flute, guitar, harpsichord, organ, piano, violin, viola, violoncello, and voice. For additional information concerning fees and related matters, see the applied music statement following Music 499. Interested students should consult the department before registering. May be repeated for additional credit. Nongraded. *Prerequisite:* Music 153 or 181 (may be taken concurrently) and permission of the department. *Praxis. One or two credit hours.* STAFF

**193, 194 Applied Music: Ensemble** Credit for participation in musical ensembles sponsored by the music department. In addition to the Colby Community Symphony Orchestra, the Colby Chorale, the Band, Jazz Band, and Chapel Choir, the department will undertake to form small ensemble groups as the need arises. Interested students should consult the department for additional information before registering for credit. May be repeated for additional credit. Nongraded. *Prerequisite:* Music 153 or 181 (may be taken concurrently) and permission of the department. *Praxis. One credit hour.*

STAFF

†[218] **Film and Film Music** The aesthetic and thematic interrelationship of films and the music composed for them, with emphasis on American films. A survey of style, beginning with European-born composers and directors in Hollywood to the present, and an analysis of the structural and expressive relationship between film and film score. Regular screenings of important American films. *Prerequisite:* Music 111 or 153 or 181. *Three credit hours.*

**221, 222 History of Music I, II** Music 221 deals with the history of Western music from the Middle Ages through the death of Bach; Music 222 covers the history of Western music from 1750 to the present. Formerly listed as Music 211, 216. *Prerequisite:* Music 182. *Three credit hours.* MR. GILLIAM

†[231] **Jazz** Jazz between 1900 and 1950: the stylistic development of various sub-



genres (New Orleans jazz, the blues, stride piano music), analyses of the music of performers and composers (Louis Armstrong, Bessie Smith, Duke Ellington, Charlie Parker), and a study of the roots of rock and roll in urban black popular music. The music itself, as opposed to the sociology of jazz, will be emphasized. *Prerequisite:* Music 111 or 153 or 181. *Three credit hours.*

**237 Major Composers** An examination of the life and representative significant works of two composers. (Fall 1984: Haydn/Mozart; Fall 1985: Beethoven/Schubert; Fall 1986: Stravinsky/Bartok; Fall 1987: Bach/Handel.) May be repeated for credit. *Prerequisite:* Music 111 or 153 or 181. *Three credit hours.* MR. GILLIAM

**238 Studies in Music Literature** The history of four major genres of music literature in the Western European tradition, with a detailed examination of representative significant works from each repertoire. (Spring 1985: Symphony; Spring 1986: Chamber music; Spring 1987: Opera; Spring 1988: Choral literature.) May be repeated for credit. *Prerequisite:* Music 111 or 153 or 181. *Three credit hours.* MR. GILLIAM

**\*278 Opera as Theater** A historical study of principles of opera production, with laboratory experience in staging scenes from several periods. *Prerequisite:* Permission of the instructor. *Four credit hours.* MR. MACHLIN

**281, 282 Music Theory III, IV** Music 281 includes further study of harmony and an introduction to chromatic harmony. Music 282 covers postromantic harmony and contemporary techniques, analyzing representative works of twentieth-century composers. Primarily for music majors. Formerly listed as Music 271, 272. *Prerequisite:* Music 182. *Three credit hours.* MRS. REUMAN AND MR. HALLSTROM

**291, 292 Applied Music: Individual Study** Instruction in voice and instruments for qualified students. The student's performance in the course will be evaluated by faculty jury at the end of the semester. Possible offerings, depending upon demand, include electronic music, flute, guitar, harpsichord, organ, piano, violin, viola, violoncello, and voice. For additional information concerning fees and related matters, see the applied music statement following Music 499. Interested students should consult the department before registering. May be repeated for additional credit. Conventionally graded. *Prerequisite:* Music 191 or 192 and permission of the department. Praxis. *One or two credit hours.* STAFF

**293, 294 Applied Music: Ensemble** Credit for participation in musical ensembles sponsored by the music department. In addition to the Colby Community Symphony Orchestra, the Colby Chorale, the Band, Jazz Band, and Chapel Choir, the department will undertake to form small ensemble groups as the need arises. Interested students should consult the department for additional information before registering for credit. May be repeated for additional credit. Conventionally graded. *Prerequisite:* Music 193 or 194 and permission of the department. Praxis. *One credit hour.* STAFF

**\*315d2 Women Composers, Eighteenth Century to the Present** A survey of women composers, including analyses of representative works by Louise Farrenc, Fanny Mendelssohn, Clara Schumann, Mrs. H.H.A. Beach, Mabel Daniels, Marion Bauer, and others. Enrollment limited. *Prerequisite:* Music 222 or permission of the instructor. *Three credit hours.* MISS HEINRICH

\*331 **Shakespeare and Music** A study of Shakespeare's varying approaches to music in the Comedies, Tragedies, and Histories. An introduction to the traditions of music and drama in the Medieval and Renaissance eras and analyses of representative later musical works (by Berlioz, Mendelssohn, Verdi, and others) written on texts of Shakespeare. Enrollment limited. *Prerequisite:* Music 222 or permission of the instructor. *Three credit hours.* MISS HEINRICH

\*334 **Faust in Music** A study of one of the richest literary themes in music, the role of the Faust legend both in various musical genres (song, opera, symphony, and overture) and through the works of several composers (Schubert, Berlioz, Wagner, Liszt, Gounod, Mahler, and others). Enrollment limited. *Prerequisite:* Music 222 or permission of the instructor. *Three credit hours.* MRS. REUMAN

†[335] **Music of Vienna, 1890-1910** An overview of Viennese music at the turn of the century, examining representative works by Strauss, Mahler, Schönberg, and other significant composers working in Vienna, and focusing on important developments in literature, theater, and art as they relate to the music of these composers. Enrollment limited. *Prerequisite:* Music 222 or permission of the instructor. *Three credit hours.*

†[336] **Music of the Avant-Garde** The diverse trends in contemporary music and of the non-traditional (and often bewildering) means employed by avant-garde composers to achieve their aesthetic goals. Several individual works of the post-World War II era will be analyzed. Enrollment limited. *Prerequisite:* Music 222 or permission of the instructor. *Three credit hours.*

†[371] **Composition** Utilization of skills acquired through the study of theory, harmony, and musical analysis in the creation of small and large forms. Individual assignments will be made on the basis of each student's ability, training, and experience. Enrollment limited. *Prerequisite:* Music 281 or permission of the instructor. *Three credit hours.*

†[373] **Counterpoint and Fugue** The principles of sixteenth- and eighteenth-century polyphony as exemplified in the works of Palestrina and J. S. Bach. Composition of motets, canons, inventions, and fugues; analyses of representative works of both composers. Formerly listed as Music 376. Enrollment limited. *Prerequisite:* Music 281 or permission of the instructor. *Three credit hours.*

†[374] **Conducting and Score Reading** Basic conducting techniques and their application to stylistic interpretation, designed to develop the student's ability to read a full instrumental or choral score with fluency and insight. In addition to practice in clef reading and transposition, analysis of scores for a variety of ensembles from different eras in music history will be stressed; elements of the analysis will include extraction of the main melodic and harmonic elements from the score for keyboard rendition. Formerly listed as Music 378. Enrollment limited. *Prerequisite:* Music 281 or permission of the instructor. *Three credit hours.*

491, 492 **Independent Study** Individual topics in areas where the student has demonstrated the interest and competence necessary for independent work. Primarily for senior music majors. *Prerequisite:* Permission of the department. *One to four credit hours.* FACULTY

†[493, 494] **Seminar in Music** Topics will change each semester; a complete description will be available before registration. Primarily for senior music majors. *Prerequisite:* Music 282 and permission of the instructor. *Three or four credit hours.*

499d **Music Teaching** Directed practice in conduct of introductory music courses. Open to a limited number of upperclass music majors. Nongraded. *Prerequisite:* Music 222, 282, and permission of the department. *Praxis. Two credit hours.* FACULTY

**Applied Music** Private lessons in voice and a variety of instruments are available, with or without academic credit, at additional cost. For a list of possible offerings, see Music 191, 192. For information concerning academic credit, see Music 091j, 191, 192, 291, and 292. In the case of Music 091j, a fee of \$110 is charged for on-campus instruction. In the case of Music 191, 192, 291, 292, a fee of \$180 is charged for each semester of instruction in a two-credit course; for a one-credit course the fee is \$110. Comparable fees are charged for extracurricular instruction in applied music, which is available during both semesters and during January.

All majors are expected to demonstrate some skill at the keyboard; consult the department. Students not already proficient are urged to remedy this deficiency as soon as possible by enrolling for piano study.

The department reserves some scholarship money to aid students of applied music; consult the chairman.

## Performing Arts

*Chairman, PROFESSOR HOWARD KOONCE*

*Professor Koonce; Adjunct Assistant Professors Christine Mitchell-Wentzel, Stephen Woody, and Richard Sewell<sup>1</sup>; Assistant Professor Eric Binnie*

*ADVISORY COMMITTEE: Professors Eric Binnie (Performing Arts), Patrick Brancaccio<sup>2</sup> (English), Paul Machlin (Music), Christine Mitchell-Wentzel (Performing Arts), Richard Sewell<sup>1</sup> (Performing Arts), David Simon (Art), and Stephen Woody (Performing Arts)*

The program in the performing arts enlarges existing patterns of academic concentration through credited work in theater, theatrical music, and dance. The program 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/discussion courses, the program includes frequent opportunities for practical experience in the theater.

The major in performing arts is a liberal arts, not a pre-professional, major. It is, however, a major which will adequately prepare particularly interested and talented students for graduate study and further involvement with performing groups. It is a structured major which ensures that all students have experience and training in technical theater as well as appearing on stage. It is an interdisciplinary major which relates the study of theater and dance to the study of art, music, and literature. As part of its program, the performing arts major not only recognizes but encourages performing experience and study with approved organizations outside the College through exchange programs with other colleges and universities, internships, and foreign study.

### **Requirements for the Major in Performing Arts**

*1: Performing Arts 121, 171, 313, 314, and one of the following: 272, 372, 253, 353, or 453.*

*II*: Six courses in art, literature, and music, no more than two of which may be at the 100 level, selected from the following: Art 111, 112, 141, or 161; Classics 232 or English 373 or 374; Music 111, 153, or 181.

Three additional courses chosen from *one* of the following categories: In art: 111, 112, 141, 142, 161, 261, 262, 275, or any period of art history; in literature: Classics 232 Greek Tragedy; English 278 Italian Fiction and Film, English 333 Topics in Renaissance Drama, English 334 Restoration Literature, English 373, 374, The Development of Dramatic Art I, II, English 375, 376 Modern Drama I, II, English 383, 384 Studies in Shakespeare, English 472 Oral Interpretation; French 272 French Film in English, French 335 Seventeenth-Century French Theater, French 338 French Classical Comedy, French 376 Modern French Drama; German 142 Masterpieces of German Literature; Greek 352 Sophocles, Greek 354 Euripides, Greek 493 Aeschylus; Latin 232 Readings in Terence, Latin 251 Roman Drama, Latin 371 Terence; Spanish 351 El Siglo de Oro; or in music: 111, 133, 153, 181, 182, 218, 231, 238, 278, 331, 335, or any period course in music history.

*III*: Fifteen credit hours in performing arts as follows: three credit hours in design (Performing Arts 231, 232, or 233); three credit hours in directing or choreography (Performing Arts 212, 311, or 341); and an interdisciplinary senior seminar (Performing Arts 494 or an equivalent course in a cooperating department). Six additional credit hours in performing arts, exclusive of Performing Arts 173.

*IV*: Significant participation in performance (design, direction, acting, dance) in three semesters. Requirement can be met with Performing Arts 191, 192, 193, 194, or Performing Arts 254, 354, 454, or Performing Arts 491, 492.

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

<sup>1</sup>On leave second semester.

<sup>2</sup>On leave full year.

**093j Applied Theater** Significant participation in a production during January. Enrollment limited to members of the cast and crew. *Prerequisite*: Permission of the performing arts committee. *Noncredit.* FACULTY

**121d, 122d Theater Production** An introduction to the art of theater production, showing the interaction of the director, designers, actors, and technicians from the director's concept to the realized production on stage. A general survey of the evolution of theaters and theater productions through history, showing the effects of social, political, economic, religious, and scientific changes on the plays being written and the styles and methods of designing and producing those plays. Laboratory: an introduction to the current methods and materials used in fabricating scenery, properties, lighting, and sound. Students are required to work on one performing arts production during the semester. *Four credit hours.* MR. WOODY

†[151] **Dancers of the Avant-Garde** A review of the radical changes that swept the dance world in the 1960s and 1970s; influences of society and the art community which led to these changes, their longevity, and the forerunners of the movement. Subjects will include "happenings," the Judson Church era, nondance dance, and the philosophies of these new choreographers and their reevaluative attitudes toward dance. *Three credit hours.*

**153j Drama in Performance I** Production of a play that will be studied both in its cultural context and as a representative of its kind, emphasizing the interplay between

an intellectual command of a text and the problem of presenting a unified idea in actual production. Enrollment limited. See also Performing Arts 254, 354, and 454. *Prerequisite*: All registrants must be members of the cast or crew. *Three credit hours.* FACULTY

**171 Introduction to Performance** Stage movement and development of characters of selected plays for presentation on stage. Scripts will be selected to offer a variety of roles and for the imaginative scope and challenge they afford. Emphasis will be on dynamics and variety in developing a persona in physical movement, in silence, and in dialogue. Two performances open to an audience will be staged, one at midsemester and one at the final class. *Three credit hours.* MR. KOONCE, MS. MITCHELL-WENTZEL, AND MR. SEWELL

†[173] **The Audience Experience** An introduction to the performing arts aimed at developing an informed, active audience through an acquaintance with theater and dance, and with the physical and artistic processes that create them. Emphasis on providing a critical and theoretical framework for approaching performance. Requires attendance at all Powder and Wig and performing arts productions, as well as attendance at one production elsewhere. *Three credit hours.*

**191, 192 Applied Dance** Optional credit for participation in Colby Dancers. May be repeated for additional credit. Enrollment limited. Nongraded. *Prerequisite*: Performing Arts 341, 342 (may be taken concurrently) and permission of the performing arts committee. Praxis. *One credit hour.* MS. MITCHELL-WENTZEL

**193, 193j, 194 Applied Theater** Optional credit for significant participation in productions, applied workshops, or performances staged in conjunction with classes in directing. May be repeated for additional credit. Enrollment limited. Nongraded. *Prerequisite*: For actors, Performing Arts 272 or 372 (may be taken concurrently); for technicians, Performing Arts 231 or 232 (may be taken concurrently); all students must obtain permission of the performing arts committee. Praxis. *One credit hour.* FACULTY

**212d1 Fundamentals of Stage Managing and Directing** The basic techniques of staging dramatic scripts. *Three credit hours.* MR. SEWELL

†[218] **Play Writing** Basic problems in writing for the stage. Students will convert brief narratives (from Kafka, Boccaccio, Borges, etc.) into dramatic form to examine challenges of compression, stage (as different from narrative) impact, delineation and development of character, and then write a dramatization or an original play or sequence of scenes. Limited enrollment. *Prerequisite*: One course in the literature of the performing arts, any performing arts course, or permission of the instructor. *Three credit hours.*

**231 Scene Design** The theory and art of scene design, focusing on analysis of the playwright's text to discover and solve the aesthetic and functional problems of achieving a viable design. Projects will include design drawings based on assigned plays. *Prerequisite*: Performing Arts 122 or permission of the instructor. *Three credit hours.* MR. WOODY

**232 Stage Lighting** Theory and principles of stage lighting, with special emphasis on translating design ideas to the physical stage. Projects will include sketches and drafted light plots based on assigned plays, operas, musicals, and dance (ballet and modern).

Attendance at performing arts and Powder and Wig productions required. *Prerequisite:* Performing Arts 122 or permission of the instructor. *Three credit hours.*  
**MR. WOODY**

**233 Costume and Custom** A look at costume as reflecting the culture, climate, and the self-image of a nation and an era, with concurrent examination of bearing and manners, particularly as applicable to the stage. A study of the basics of stage-costume theory and the history of stage wear. Formerly listed as Performing Arts 131. *Three credit hours.* **MR. BINNIE**

**†[252] Introduction to the Art of Dance** A survey of dance, the differences among its many forms, its relation to or function within a particular culture. The significant developments of dance as an art form in Western civilization, looking at basic theory, composition, and movement experience. Readings, films, videos, and attendance at live performances. No dance experience necessary. Enrollment limited. *Three credit hours.*

**253 Dance Repertory I** Advanced applied dance theory. Study and performance of faculty works, commissioned choreography, or period pieces reconstructed from labanotation. Topics change each semester. Enrollment limited. See also Performing Arts 353 and 453. *Prerequisite:* Performing Arts 341, 342 (may be taken concurrently), or permission of the instructor. *Three credit hours.* **MS. MITCHELL-WENTZEL**

**254j Drama in Performance II** See description for Performing Arts 153. *Prerequisite:* All registrants must be members of the cast or crew. *Three credit hours.* **FACULTY**

**272 Acting II** Theory and technique of stage performance for those with experience in performance. Scenes and short plays. Admission to course based on the presentation of one three-minute scene, prepared and memorized. Auditions will be held the morning of registration. *Prerequisite:* Performing Arts 171 or permission of the instructor. *Three credit hours.* **INSTRUCTOR**

**274 Voice and Public Speaking** The study and practice of composing and delivering formal speeches, including development of vocal techniques for clear and effective presentation. Enrollment limited. *Prerequisite:* Permission of the instructor and concurrent enrollment in an approved course from any academic discipline. *Two to four credit hours.* **MR. KOONCE AND MR. BINNIE**

**311d2 Topics in Stage Directing** The special challenges and demands of directing particular kinds of plays and/or plays from particular periods and cultures. Enrollment limited. *Prerequisite:* Performing Arts 173, 212, or participation in at least one faculty-directed production at Colby. *Three credit hours.* **INSTRUCTOR**

**313 Theater History I** A survey of the theory and practice of staging in theaters from Greece to the Renaissance, focusing on problems arising from dramatic texts and records of other kinds of theatrical presentations. *Prerequisite:* English 373 or permission of the instructor. *Two credit hours.* **MR. BINNIE**

**314 Theater History II** A sequel to Performing Arts 313, from the later Renaissance through the neoclassical and romantic periods. *Prerequisite:* Performing Arts 313 or permission of the instructor. *Two credit hours.* **MR. BINNIE**

**341, 342 Modern Dance Composition and Theory** Theories, philosophies, and development of twentieth-century American contemporary dance through readings, films, and direct movement experience. *Prerequisite:* Performing Arts 252 and permission of the instructor. *Three credit hours.* MS. MITCHELL-WENTZEL

**353 Dance Repertory II** See description for Performing Arts 253. *Prerequisite:* Performing Arts 341, 342 (may be taken concurrently), participation in Colby Dancers, or permission of the instructor. *Three credit hours.* MS. MITCHELL-WENTZEL

**354j Drama in Performance III** See description for Performing Arts 153. *Prerequisite:* All registrants must be members of the cast or crew. *Three credit hours.* FACULTY

†[372] **Topics in Acting** The special challenges and demands of acting in particular kinds of plays and/or plays from particular periods or cultures. Enrollment limited. *Prerequisite:* Performing Arts 171 or permission of the instructor. *Three credit hours.*

**453 Dance Repertory III** See description for Performing Arts 253. *Prerequisite:* Performing Arts 341, 342 (may be taken concurrently), participation in Colby Dancers, or permission of the instructor. *Three credit hours.* MS. MITCHELL-WENTZEL

**454j Drama in Performance IV** See description for Performing Arts 153. *Prerequisite:* All registrants must be members of the cast or crew. *Three credit hours.* FACULTY

**491, 492 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

**494d Senior Seminar** An interdisciplinary, culminating seminar for performing arts majors. Specific subject matter will be selected for each class to enable designers, directors, dancers, and actors to collaborate in translating the intellectual understanding of the subject into theatrical performance. Enrollment limited. *Prerequisite:* Senior standing as a major in performing arts. *Three credit hours.* FACULTY

## Philosophy

*In the department of philosophy and religion.*

*Acting Chairman,* PROFESSOR ROBERT REUMAN.

*Professors Reuman, Francis Parker, Yeager Hudson<sup>1</sup>, Robert McArthur<sup>2</sup>, and Thomas Longstaff<sup>3</sup>; Assistant Professors Paula Richman, Daniel Cohen, and Deborah Soifer<sup>3</sup>; Instructors Michael Birkel and Sandra Messen*

"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 the questions that arise from the basic principles of all areas of knowledge. Our program features a sequence of courses dealing with both Western and Eastern intellectual and philosophical history, as well as courses treating the major philosophical issues.

**Requirements for the Major in Philosophy**

Philosophy 152, 211, 331, 332, 353, and 12 additional hours in philosophy, only six of which may be in 100-level courses.

**Requirements for the Major in Philosophy and Religion**

Religion 211, 212, 233, 234, 316; Philosophy 152, 211, 331, 332, 372, 373.

For each of the above majors, at least one independent study project of at least three credit hours (philosophy or religion) must be taken in January or one of the semesters of the junior or senior year, in addition to the requirements specified above.

A maximum of two courses, not to include any specifically prescribed courses, may be taken on a pass/fail basis in partial fulfillment of the requirements for the above majors. No specifically prescribed course may be taken on a pass/fail basis to satisfy major requirements. The point scale for retention of each of the above majors applies to all other courses that count toward the major.

**Requirements for the Major in Philosophy-Mathematics**

In philosophy: 152 and either 111 or 211; 258, 331, 332; and one further course in the department.

In mathematics: at least 18 credit hours, including 221, 222, 361.

At least one independent study project in mathematics or philosophy, of at least three credit hours, must be taken in January or one of the semesters.

Attention is called to the interdepartmental major in classics-philosophy (see list of requirements under "Classics"), and to the interdisciplinary major in human development.

<sup>1</sup>On leave full year.

<sup>2</sup>Part-time second semester only.

<sup>3</sup>Part-time first semester only.

**111d Central Philosophical Issues: Self and Society** An introduction to philosophy by a consideration of two of its central branches: social and political philosophy and ethics. Some of the issues addressed are: the nature of political power, individual rights, the good society, the nature of morality, and whether there are moral absolutes. These issues are approached through readings from several of the great philosophers of the West, such as Plato, Aristotle, Locke, Rousseau, and Mill. *Three credit hours.* MR. PARKER AND MS. MENSSEN

**113 Central Philosophical Issues: Philosophical Anthropology** An introduction to philosophy through a comparative study of theories about the nature and destiny of man. Readings from great philosophers and literary figures of the West such as Plato, Aristotle, Dante, Goethe, Sartre, and Camus. *Three credit hours.* MS. MENSSEN

**114d Central Philosophical Issues: Nature and God** An introduction to philosophy by a consideration of three of its central issues: knowledge, reality, and God. Some questions addressed are: how can we obtain knowledge, can we achieve certainty, how can we distinguish between appearance and reality, is it reasonable to believe in God, and how can evil be explained? These issues are approached through readings from several of the great philosophers of the West, such as Descartes, Berkeley, Hume, Aquinas, and Tillich. *Three credit hours.* MR. PARKER AND MS. MENSSEN

**[116] Central Philosophical Issues: The Good Life** An introduction to philosophy through an exploration of the theme of the good life in works of philosophy and imaginative literature. Such authors as Plato, Thoreau, Tolstoy, and Arthur Miller will be read. *Three credit hours.*



[118] **Central Philosophical Issues: Philosophy of Law** An introduction to philosophy by a consideration of the interrelations between law, philosophy, and logic. Topics will include the nature and foundation of legal systems, the relation of law to morality, the limits of law, punishment, justice, and legal reasoning. *Three credit hours.*

135j **Puzzles and Paradoxes** A probing plunge into philosophical perplexities, such as rational irrationality, dilemmas of decision, riddles of induction, and prior announcement of surprises. *Two credit hours.* MR. COHEN

152d **Logic** The techniques of formal reasoning in a symbolic context, and their application to argumentation in natural language. *Three credit hours.* MR. COHEN

†[153] **Nonviolence** Readings and discussion will focus on the following areas: theoretical considerations and definitions, the nature and advocates of violence, aggression, civil disobedience, Satyagraha, nonviolence and violence in American race relations, violence in American society, international conflict, and conflict resolution. *Three credit hours.*

173j **Evil in Literature and Philosophy** How can the world, with its pervasive suffering and wickedness, be the creation of one who is all-knowing, all-powerful, and perfectly good? This course examines the problem of evil, and examines and criticizes theodicies—proposed answers to this question. Thinkers such as Plato, Augustine, Leibniz, Milton, Voltaire, and Dostoyevsky will be studied. *Three credit hours.* MS. MENSSSEN

211 **Moral Philosophy** Consideration of various philosophical theories about the bases of judgment on questions of good and bad, right and wrong, with lesser attention to the application of ethical principles to problem cases. *Three or four credit hours.* MR. REUMAN

†[236] **Social Philosophy** Readings from Plato, Locke, Rousseau, Marx, and others; their relevance to contemporary problems. *Three or four credit hours.*

258 **Intermediate Logic** The formal semantics of symbolic logic and its extensions, metatheoretic results such as soundness and completeness, the nature and limits of the axiomatic method, and philosophical problems concerning the nature of logical truth. *Three credit hours.* MR. COHEN

[277, 278] **Philosophical Perspectives** Interdisciplinary considerations of various topics, involving lecturers from several departments. *Three credit hours.*

293j **Seminar on Socrates** The character, teaching, and influence of Socrates, using Plato's Socratic dialogues, Xenophon, Aristophanes, and modern critical interpretations. Seminar format, focusing on student papers and commentaries. *Three credit hours.* MR. PARKER

\*298 **Applied Ethics** The interrelationship between moral principles and problem cases as a way of clarifying both theoretical concepts and practical policies. Emphasis on the problem cases themselves, including issues such as abortion, euthanasia, civil disobedience, affirmative action, experimentation, genetic intervention, and famine. *Prerequisite:* Philosophy 211 or permission of the instructor. *Three credit hours.* MS. MENSSSEN

[316] **Metaphysics** A study of classical Aristotelian metaphysics developed into modern times and its use as a perspective on modern metaphysical views such as existentialism and essentialism and also on such topics as the scope and grasp of being and its modes, the analogical method and fundamental principles of metaphysics, possibility and actuality, contingency and necessity, substance and accident, and causation and freedom. *Prerequisite:* One course in philosophy or permission of the instructor. *Three or four credit hours.*

317 **Philosophy of Science and Mathematics** How are mathematical truths known? What is the status of a scientific theory? Problems concerning inductive logic, observation, laws, theory construction, and scientific explanation will be considered. *Three credit hours.* MR. COHEN

†[318] **Ethics and General Theory of Value** Philosophic approaches to the nature of value, especially ethical judgments. Among the views considered will be intuitionism, emotivism, "good reasons" theory, and those relating to scientific findings. *Prerequisite:* Philosophy 211 or permission of the instructor. *Three credit hours.*

331 **History of Ancient Philosophy** Comparative study of the philosophical systems of Plato and Aristotle, with secondary attention to the pre-Socratics, Socrates, Epicurus, the Stoics, and Plotinus. *Four credit hours.* MR. PARKER

332 **History of Modern Philosophy** European philosophy from Descartes to the nineteenth century, with special attention to the works of Descartes, Spinoza, Leibniz, Locke, Berkeley, Hume, and Kant. *Four credit hours.* MR. REUMAN

333d2 **Philosophy of Education** A study of positions of the major philosophers from Plato to Dewey concerning education. Considers how thought on issues such as the nature of man, our conception of the ideal society, and our vision of the good life affects beliefs and practices concerning education. *Three or four credit hours.* MR. MCARTHUR

\*352 **American Philosophy** American philosophical thought from the colonial period to the early twentieth century. Thinkers treated include Edwards, Emerson, Thoreau, Peirce, James, and Dewey. *Three credit hours.* MS. MENSSEN

353d2 **Contemporary Analytic Philosophy** Major figures in the twentieth-century analytic tradition with particular emphasis on Russell, Wittgenstein, the Vienna Circle, Quine, and "Ordinary Language" philosophy. *Prerequisite:* Two semester courses in philosophy or permission of the instructor. *Three credit hours.* MR. COHEN

[355] **Indian Thought** Types of Indian philosophy of the ancient period. *Prerequisite:* Two semester courses in philosophy and/or religion; no previous Indian thought. *Three credit hours.*

†[356] **Indian Thought** The development of Indian philosophy and intellectual history from the beginning of the Indian Renaissance in the late eighteenth century to the present. Readings from such thinkers as Gandhi, Tagore, Ramakrishna, Vivekananda, and Radhakrishnan. *Three credit hours.*

\*359d2 **Nineteenth-Century Philosophy** Post-Kantian thinkers such as Hegel, Marx,

Kierkegaard, Schopenhauer, Nietzsche, and Bergson. Special attention to the revolt against reason, evolution, and alienation. *Prerequisite*: Philosophy 332 or permission of the instructor. *Four credit hours.* MR. REUMAN

\*372 **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. *Prerequisite*: One course in philosophy or religion, or permission of the instructor. *Three or four credit hours.* MR. PARKER

[373] **History of Medieval Philosophy** History of philosophy from Augustine to Ockham. The principal issue studied is the problem of the reconciliation of faith and reason in the work of the scholastics. *Prerequisite*: Philosophy 331. *Three or four credit hours.*

†[374] **Existentialism and Phenomenology** A survey of the principal thinkers of existential philosophy, with minor attention to phenomenology. Readings will be from such philosophers as the following: Kierkegaard, Nietzsche, Jaspers, Heidegger, Sartre, Buber, and Husserl. Philosophy 359 is a desirable background but is not required. Seminar format. *Prerequisite*: One course in philosophy or permission of the instructor. *Four credit hours.*

†[391, 392] **Philosophy Seminar** Seminars in selected areas of philosophy. *Three credit hours.*

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

## Physical Education

*Chairman, ASSOCIATE PROFESSOR RICHARD MCGEE*

*Associate Professor McGee; Adjunct Associate Professors Carl Nelson and Richard Whitmore; Adjunct Assistant Professors Robert Ewell, James Wescott, Gene DeLorenzo, Michel Goulet, Richard Bell, Deborah Pluck, and Chris Raymond; Adjunct Instructor Linda Myers*

The department of physical education and athletics offers required and voluntary physical education classes, intramural sports, intercollegiate athletics (varsity and junior varsity), and informal recreational activities.

Physical Education 1, 2: two semesters of physical education are required of all Colby students for graduation. Waivers are available for members of varsity or junior varsity teams.

A program of instruction in a wide variety of activities is offered on a coeducational basis. Activities presently in the program are *aquatics*: swimming, life saving, water-safety instructors' course, canoeing, scuba; *leisure-time sports*: tennis, racquetball, golf, squash, skating, figure skating, bicycling, skiing, cross-country skiing, badminton, riding; *dance*: modern, ballet; *team sports*: volleyball; *other activities*: yoga, conditioning, hiking, karate, aerobics, weight training.

**Physical Education Activities** Activity courses may be taken to fulfill the physical education requirement or as electives. Most activities last one season (one-half semester). Exceptions are so noted on transcripts and in materials available from the physical education department. Registration is made through the physical education department. *Noncredit.*

## Physics

*In the department of physics and astronomy.*

**Chairman, ASSOCIATE PROFESSOR ROGER METZ**

*Associate Professors John Dudley and Metz; Assistant Professors Murray Campbell and Ross Reynolds*

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, and business. Advanced course offerings provide excellent background for graduate study in physics, astronomy, engineering, and computer science. Special emphasis is placed upon independent work and cooperative research with the faculty, using the department's machine, electronic, and technical shops, as well as both campus and departmental computers. Computer electronics and infrared astronomy are areas of current interest in the department.

### **Requirements for the Major in Physics**

Twenty-eight credit hours in physics, including 141, 142 (or 121, 122), 211, 232, 321, 333 or 334; Mathematics 121, 122, 221, 222. A comprehensive examination is normally required in the senior year.

Students preparing for graduate work in a physics-related science or engineering should plan to elect at least 12 additional hours of physics, including 152, 322, 331, and six additional hours of mathematics, including 311. Such students should consult the department early. For students planning graduate work in physics or astronomy, attention is drawn particularly to Physics 322, 332, 441, and 442. Mathematics 121, 122 should be taken during the freshman year.

Students seeking advanced standing in physics should consult the chairman of the department before electing courses.

At least one independent study project is required to be completed in the major during the junior or senior year.

The point scale for retention of the major applies to all courses taken in the Division of Natural Sciences. No requirement for the major may be taken pass/fail.

**112 Energy and the Environment** Principles and practice of energy generation, transformation and degradation, and the effects of the use of energy in the environment. Emphasis on scientific understanding of current problems in energy, rather than economic or political implications. Lecture and laboratory. May not be taken for credit if student has earned credit for Physics 121 or 141. Enrollment limited. *Three credit hours.*

MR. DUDLEY

**121, 122 General Physics** A quantitative introduction to the interpretation of theoretical and experimental problems in the fields of mechanics, thermodynamics, electricity and magnetism, optics, relativity, and quantum physics. Physics 211 may

serve as a prerequisite for Physics 122. Lecture, laboratory, and discussion. *Prerequisite*: High school mathematics through trigonometry. *Four credit hours.* MR. REYNOLDS

**141, 142 General Physics** Coverage and format identical to that of Physics 121, 122, but lectures are calculus-based. *Prerequisite*: For 141: Mathematics 121; for 142: Mathematics 122. *Four credit hours.* MR. METZ

**151j Project in Physics** Individual or group work in experimental or theoretical physics. *Prerequisite*: Permission of the instructor. *Two or three credit hours.* FACULTY

**152d1 Essential Electronics** An introduction to modern electronics, including theory, experimentation, problem solving, and circuit design. The course starts by considering simple direct-current devices, and progresses to examining operational amplifiers, digital integrated circuits, and microcomputer instrumentation. Lecture and laboratory. Enrollment open to the limit of available equipment. *Prerequisite*: Permission of the instructor. *Four credit hours.* MR. REYNOLDS

**171j Data Analysis** An introduction to treatment of physical data: dimensional analysis, approximations, analysis of uncertainty, elementary statistics, least-squares techniques, and methods of computer programming. *Three credit hours.* MR. DUDLEY

**211 Mechanics** Theory of classical mechanics: Newton's laws, oscillatory motion, noninertial reference systems, planetary motion, motion of rigid bodies, and Lagrangian mechanics. Lecture and discussion. *Prerequisite*: Physics 121 or 141; Mathematics 221 (may be taken concurrently). Open to well-prepared freshmen (normally those with advanced placement in physics and mathematics) with permission of the instructor. *Four credit hours.* MR. DUDLEY

**232 Atomic Physics** An intermediate treatment of the quantum physics of atoms, including atomic models, Schroedinger theory, atomic spectra, and electron spin. Emphasis is placed on the experimental evidence for modern atomic theory. *Prerequisite*: Physics 122 or 142 and Mathematics 222 (may be taken concurrently). *Four credit hours.* MR. REYNOLDS

**251d Independent Electronics** An independent, self-paced course in electronics. May be taken as a sequel to Physics 152 for the further study of digital electronics and computer circuits. Enrollment limited. *One to three credit hours.* INSTRUCTOR

**291j Research and Seminar in Physics and Astronomy** Individual or small-group work in one of several areas; development of laboratory apparatus, development of astronomical equipment, analysis of infrared astronomical data, or literature review of topics in physics or astronomy. Each student will present a written report and seminar midway through January, and at the conclusion of the work. *Prerequisite*: Permission of the instructor. *Two or three credit hours.* FACULTY

**321, 322 Electricity and Magnetism** First semester: a theoretical treatment of electrostatics and magnetostatics in vacuum and material media through Maxwell's equations. Second semester: a.c. circuits, electrodynamics, relativity, Hamiltonian Theory, and applications. Lecture and discussion. *Prerequisite*: Physics 122 or 142 and Mathematics 222 or permission of the instructor. *Four credit hours.* MR. CAMPBELL AND MR. DUDLEY

**331 Nuclear Physics** A continuation of Physics 232, treating the physics of many-electron atoms and of nuclei; includes quantum statistics, molecules, nuclear models and reactions, and elementary particles. *Prerequisite:* Physics 232. *Three credit hours.*  
MR. DUDLEY

**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. *Prerequisite:* Physics 211, 232, and Mathematics 222 (may be taken concurrently). *Four credit hours.* MR. CAMPBELL

**333, †[334] Experimental Physics** Experimental work in classical and modern physics: fundamental physical constants, mechanics, radioactivity, diffraction, and atomic and nuclear spectroscopy. *Prerequisite:* Physics 211, 232. *Three credit hours.*  
FACULTY

**351, 352 Tutorial in Physics or Astronomy** Individual work for juniors or seniors on a subject of joint interest to the student and the instructor, involving close supervision, regular tutorial meetings, and active participation by both student and instructor. Topics in the past have included general relativity, nuclear reactors, fluid mechanics, and topics in astronomy. *Prerequisite:* Permission of the instructor. *Two to four credit hours.* FACULTY

**441, 442 Quantum Physics** First semester: an introduction to the mathematical formulations of nonrelativistic quantum mechanics, including Schroedinger wave mechanics, operator algebra, perturbation techniques, and electron spin. Applications to one-dimensional and simple three-dimensional systems are developed. Second semester: a continuation of the first semester, with applications as interests dictate. Lecture. *Prerequisite:* Physics 232 or permission of the instructor. *Three credit hours.* MR. METZ

**491, 492 Independent Study** Individual topics 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

## Portuguese

*In the department of modern foreign languages.*

†[261, 262] **Portuguese as a Second Romance Language** The spoken and written language of Portugal and Brazil, utilizing previous knowledge of a Romance language. Extensive use is made of taped materials. Formerly listed as Portuguese 121, 122. *Prerequisite:* Successful completion of intermediate French, Spanish, or Italian, or indication of equivalent proficiency. *Four credit hours.*

## Psychology

*Chairman, PROFESSOR NICHOLAS ROHRMAN*  
*Professors Paul Perez<sup>1</sup> and Rohrman; Associate Professors Dorin Zohner, Lewis Lester, Diane Kierstead, and Edward Yeterian*

The psychology department seeks to fulfill three objectives. First, to prepare students for graduate work in psychology and ultimately for professional careers as teachers, researchers, and practitioners. Second, to prepare students majoring in psychology to enter the business or professional community with a solid background in knowledge of human behavior and its determinants. Third, to provide service courses for students majoring in other fields for whom psychological knowledge may be useful. The department maintains a large seminar/meeting room on the fourth floor of the Lovejoy building adjacent to the laboratory space. The laboratory is equipped to conduct a fairly wide range of studies in human sensory, perceptual, and memory phenomena. Additional laboratory space in the Arey life sciences building includes animal facilities and surgery for physiological and comparative research. Future plans call for observation rooms suitable for developmental and social-psychological research, as well as a major renovation of the laboratory and classroom facilities in the Lovejoy building. Currently the department is equipped with a microcomputer allowing real-time data acquisition and analysis, and a three-channel research-quality tachistoscope. 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. Students are encouraged to conduct their own research. In the last three years, Colby psychology students have presented numerous papers at professional meetings, and have won prizes for undergraduate-paper excellence given by the Maine Psychological Association at its annual scientific meeting.

#### **Requirements for the Major in Psychology**

Psychology 111, 214, 215 (to be taken immediately following 214), 479, and 20 additional hours in psychology, to include three courses selected from 231, 232, 236, 238, 272, 273, 371, 375, 376, and three courses selected from 251, 253, 254, 255, 256, 274, 352, 354, and two biology courses selected from 112, 121, 122, 134, 212, 219.

Seniors must submit a score on the Psychology Advanced Test of the Graduate Record Examination.

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.

Attention is also called to the interdisciplinary major in human development.

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

In psychology: 111, 214, 215, 371, 479, and nine additional hours, to include at least two of the following courses: 231, 232, 272, 273, 274.

In mathematics: 381, 382; at least 12 additional credit hours, of which six must be at the 300 or 400 level.

The point scale for retention of the psychology-mathematics major applies to all courses offered toward the major. All requirements for the major must be met in conventionally graded courses.

#### **Requirements for Honors in Psychology**

Students seeking to participate in the honors program must make formal application to the department prior to enrolling in Psychology 393d. In addition to fulfilling the basic requirements for the psychology major, the honors program requires that students take two courses from among Psychology 354, 371, 375, and 376, and complete the honors research sequence (Psychology 393d and 493d). Upon successful completion of these requirements and upon vote of the department, the student will be awarded his or her degree "With Honors in Psychology."

Attention is also called to the Senior Scholars program.

<sup>1</sup>Part-time.

**211d Introduction to Psychology** An overview of contemporary psychology, introducing concepts and methods current in the field. Participation as a subject in psychological research is required. *Three credit hours.* FACULTY

**214d Research Methods** 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 111 or permission of the instructor. *Four credit hours.* MS. KIERSTEAD AND MR. LESTER

**215d, 215j Psychological Research** Each student will conduct a research project designed in Psychology 214, utilizing research design, data analysis, and other skills acquired in that course. Must be taken immediately following Psychology 214. *Prerequisite:* Psychology 214. *One credit hour.* MR. LESTER AND MS. KIERSTEAD

**217j Sex Differences in Human Behavior** A study of the ways in which female and male behaviors differ. Consideration will be given to sex differences in physiology, perception, cognition, language, development, personality, psychopathology, and social-psychological contexts. *Prerequisite:* Psychology 111. Nongraded. *Two credit hours.* MS. KIERSTEAD

**231 Conditioning and Instrumental 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 111. *Four credit hours.* MR. YETERIAN

**\*232 Cognitive Psychology** The human information-processing system: how stimulus information is transformed, stored, retrieved, and used. Lecture and laboratory. *Prerequisite:* Psychology 111. *Four credit hours.* MR. ROHRMAN

**236 Comparative Psychology** An examination of animal and human behavior, with emphasis on similarities and differences between species. Includes history of the discipline, behavioral description and categorization, genetic and environmental determinants, ontogeny, physiological mechanisms, evolution, and learning. *Prerequisite:* Psychology 111. *Three credit hours.* MR. YETERIAN

†[238] **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 111. *Three credit hours.*

**251 Psychology of Personality** Major theoretical interpretations and current research in the psychology of personality, with a focus on psychodynamic, behavioristic, and humanistic approaches. *Prerequisite:* Psychology 111. *Three credit hours.* MR. LESTER

**253 Social Psychology** Representative topics in contemporary social psychology: affiliation, social perception, attribution, attraction, aggression, attitudes, cognitive dissonance, conformity, compliance, and group dynamics. *Prerequisite:* Psychology 111. *Three credit hours.* MR. LESTER

**254 Abnormal Psychology** The etiology, diagnosis, and treatment of abnormal be-



havior, with emphasis on theoretical approaches, clinical syndromes, and current research. *Prerequisite:* Psychology 251 or 253 or 255. *Three credit hours.* MR. LESTER

**255d Child Development** Principles of psychological development from conception through preadolescence, from a biological, sociocultural, and psychodynamic perspective. For related practica courses, see Education 253, 254, 273, and 274. *Prerequisite:* Psychology 111. *Three credit hours.* MR. ZOHNER

**256d1 Adolescent and Adult Development** Principles of psychological development from adolescence through senescence. Emphasis will be placed on the individual's typical attempts to cope with changes in physical structure, social roles, and personal identity. For related practica courses, see Education 353, 354, 473, and 474. *Prerequisite:* Psychology 255. *Three credit hours.* MR. ZOHNER

**272 Physiological Psychology** The study of neural mechanisms underlying mental 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 111 and two semesters of biology, or permission of the instructor. *Lecture only: three credit hours; lecture and laboratory: four credit hours.* MR. YETERIAN

**273 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. *Prerequisite:* Psychology 111 or permission of the instructor. *Three credit hours.* MS. KIERSTEAD

**\*274j Psychological Tests and Measurements** The theory and problems of psychological measurement, with special emphasis on the construction and application of psychological tests. *Prerequisite:* Psychology 214 or permission of the instructor. *Three credit hours.* MR. LESTER

**295j Internship** Augusta Mental Health Institute internship program. Following two weeks of intensive classroom work on campus, students will reside at AMHI and work in various treatment settings. During the two-week field placement, students will have an opportunity to observe therapeutic activities, participate in staff conferences, attend grand rounds, etc. Room and board will be provided by AMHI during the field placement. Enrollment limited. Nongraded. *Prerequisite:* Permission of the instructor. *Praxis. Three credit hours.* MR. PEREZ

**298 Applied Psychology** A survey of the major non-clinical applications of psychology, including such content areas as industrial and organizational psychology, consumer behavior, forensic, environmental, and medical psychology. *Prerequisite:* Psychology 111. *Three credit hours.* MR. ROHRMAN

**352 Psychology of Exceptional Children** The origins and implications of cognitive, sensory, emotional, and physical handicaps for development will be explored and discussed. Models for intervention and/or remediation at each age level and their developmental outcomes will be examined. For related practica courses, see Education 373 and 374. *Prerequisite:* Psychology 255. *Three credit hours.* MR. ZOHNER

**354 Seminar in Clinical Psychology** In-depth exploration of selected topics in personality and abnormal psychology. Will normally include an independent research project. *Prerequisite:* Psychology 251 and 254 and permission of the instructor. *Three credit hours.* MR. PEREZ

**371j Advanced Experimental Psychology** Experimental design and the application of inferential statistics. Strongly recommended for those students interested in graduate school. *Prerequisite:* Psychology 214, 215, and permission of the instructor. *Three credit hours.* MR. Zohner

**375 Neuroscience Seminar** In-depth examination of current issues in physiological psychology and human neuropsychology. Topics 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 272 or permission of the instructor. *Three credit hours.* MR. YETERIAN

**\*376 Seminar in Vision** A detailed examination of the characteristics of the human visual system. Will normally include an independent research project. *Prerequisite:* Psychology 273 and permission of the instructor. *Three credit hours.* MS. KIERSTEAD

**393d Honors Research I** Individual and group meetings of students and faculty participating in the psychology honors program. Under faculty supervision, students will prepare a proposal and begin work on an independent research project to be completed in Psychology 493d. Enrollment limited. *Prerequisite:* Standing as a junior or senior major in psychology and permission of the department. *Three credit hours.* FACULTY

**479 History and Systems of Psychology** The historical background of modern psychology and the development of such systematic viewpoints as behaviorism, Gestalt psychology, and psychoanalysis. *Prerequisite:* Senior standing as a psychology major or permission of the instructor. *Three credit hours.* MR. ROHRMAN

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

**493d Honors Research II** Individual and group meetings of students and faculty participating in the psychology honors program. Under faculty supervision, each student will complete the independent research project begun in Psychology 393d, prepare a paper of publishable quality, and make a formal presentation of the work. Enrollment limited. *Prerequisite:* Psychology 393d, standing as a senior major in psychology, and permission of the department. *Three credit hours.* FACULTY

## Public Policy

*Director,* PROFESSOR THOMAS TIETENBERG; *Codirector,* ASSOCIATE PROFESSOR CALVIN MACKENZIE<sup>1</sup>

ADVISORY COMMITTEE: *Professors Mackenzie<sup>1</sup> (Government), James Meehan (Economics), Sonya Rose (Associate Dean of the College), and Tietenberg (Economics)*

The public policy program is an interdisciplinary concentration that builds upon foundations of economics and government to enable students to engage in thoughtful and sophisticated analysis of important public policy issues. The public policy concentration, available in the economics and government majors, is designed to develop in Colby students the ability to apply the methodologies and accumulated knowledge of several disciplines to complex public problems through a combination of classroom, independent research, and work experiences.

#### Requirements for the Concentration in Public Policy

It is anticipated that all requirements listed below, with the exception of the senior seminar, will be completed before the beginning of the senior year.

(1) **Method courses**, to examine the major approaches to, and techniques for, the study of policy issues. The following courses are required:

*Economics*: 234 Microeconomic Theory.

*Philosophy*: 211 Moral Philosophy.

One course selected from the following:

*Economics*: 394 Econometrics.

*Government*: 219 Quantitative Analysis.

*Mathematics*: 231 Elementary Statistics and Regression Analysis.

(2) **Process courses**, to explore the processes by which public policies are designed, enacted, and implemented. The following courses are required:

*Government*: 317 The Policy-Making Process.

At least one course each in economics and government selected from the following:

*Economics*: 313 Topics in Law and Economics; 332 Regulated Industries; 351 Public Finance.

*Government*: 273 The American Congress; 276 The American Presidency; 313 American Constitutional Law I; 314 American Constitutional Law II; 392 The Administrative Process; 393 State and Local Government.

(3) **Practical applications**. During the junior year, each student will complete an internship and, in consultation with program directors, will select a substantive policy area to serve as the focus for the senior research project. The internship may be undertaken during January, the summer, or an academic semester, and will culminate with a short research paper analyzing the issues to which the student was exposed.

(4) **The senior seminar**. Public Policy 493, required during the senior year, provides for independent, multidisciplinary student research. Each student is required to conduct an original analysis of some public policy issue.

<sup>1</sup>On leave full year.

**493 Public Policy Seminar** A seminar addressed to topics in public policy analysis. Required of all students majoring in either economics or government with a concentration in public policy. *Three credit hours.* MR. TIETENBERG

## Religion

*In the department of philosophy and religion.*

*Acting Chairman*, PROFESSOR ROBERT REUMAN

*Professors Reuman, Francis Parker, Yeager Hudson<sup>1</sup>, Robert McArthur<sup>2</sup>, and Thomas*

*Longstaff*<sup>1</sup>; Assistant Professors Paula Richman, Daniel Cohen, and Deborah Soifer<sup>2</sup>; Instructors Michael Birkel and Sandra Menssen

The study of religion in a college curriculum involves the historical and comparative scrutiny of the world's religious traditions: Christianity, Judaism, Islam, Buddhism, Hinduism, 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 Religion

Religion 115, 116, 211, 212, 233, 234, 316, and two additional courses in religion, at least one of which must be at the 300 level or higher.

While Philosophy 372 and 373 are not required, they are highly recommended and may be used to satisfy the requirement of two additional courses in religion.

#### Requirements for the Major in Philosophy and Religion

Religion 211, 212, 233, 234, 316. Philosophy 152, 211, 331, 332, 372, 373.

For each of the above majors, at least one independent study project of at least three credit hours (philosophy or religion) must be taken in January or one of the semesters of the junior or senior year, in addition to the requirements specified above.

A maximum of two courses, not to include any specifically prescribed courses, may be taken on a pass/fail basis in partial fulfillment of the requirements for the above majors. No specifically prescribed course may be taken on a pass/fail basis to satisfy major requirements. The point scale for retention of each of the above majors applies to all other courses that count toward the major.

<sup>1</sup>On leave full year.

<sup>2</sup>Part-time second semester only.

<sup>3</sup>Part-time first semester only.

**113 Quest and Question: Religious Autobiography** An examination of religious experiences as described in autobiography, and an introduction to a cross-cultural study of religion. Focusing on Gandhi, St. Augustine, St. Teresa of Avila, Malcolm X, and Lady Nijo. *Three credit hours.* MS. RICHMAN

**115 The Heritage of Western Religion I** A broad survey of the religious roots of Western culture, examining the development of religious thought and institutions from the first to the sixteenth centuries (from the pre-Christian period to the eve of the Reformation). The influences of Christianity and Judaism on art and architecture, music and literature, morality and government, will be considered in each period. Lectures supplemented by occasional films. *Three or four credit hours.* MR. BIRKEL

**116 The Heritage of Western Religion II** This course will continue the survey, exploring the period from the sixteenth to the nineteenth centuries (from the Reformation to the Enlightenment). Influences of religion on art and architecture, music and literature, morality and government, will be considered in each period. Lectures supplemented by occasional films. *Three or four credit hours.* MR. BIRKEL

**211 Religions of India** A selective study of Hinduism and Buddhism in India, examining both religious texts and the cultural context from which they developed. Ritual hymns, renunciation texts, devotional poems, classical mythology. Cultural aspects of religion to include "caste," notions of righteous kingship, and village religion. *Three credit hours.* MS. RICHMAN

**212 Religions of China and Japan** A selective study of Confucianism, Taoism, Bud-

dhism, and Shinto, examining their origins, development, and interaction through a study of representative texts and their historical contexts. The cosmological assumptions of Confucianism, the principles behind Taoist alchemy, Buddhist monasticism, and Zen. *Three credit hours.* MS. RICHMAN

†[217] **Religion in America** A survey of the religious elements in American history as they are related to the broader aspects of American culture. Attention will be given to the beliefs and practices of Protestantism, Catholicism, and Judaism and to the issues, past and present, that are important for understanding religion in America. *Three or four credit hours.*

†[218] **Buddhist Literature in Asia** A study of Asian story anthologies, biographies, epics, novels, plays, poems, and sermons inspired by Buddhism in India, Tibet, China, Japan, Sri Lanka, and Burma; the diverse relationships between religious intentions and literary forms. *Three credit hours.*

219j **Religious Responses to War and Violence** The ideals of pacifism, the just war, and the crusade; the concepts of holy war, the Christian response to the barbarian invasions at the beginning of the middle ages, Quaker pacifism, and Gandhian satyagraha. Modern issues such as social violence, nonviolent resistance, and nuclear pacifism will be considered. Enrollment limited. *Three credit hours.* MR. BIRKEL

231 **Myth and Mind: Ways of Envisioning the World** The structure and content of myth as a form of religious expression, emphasizing material from Asian and non-literate cultures. History and method in the study of mythology, prominent interpretations of mythology, myths of the beginning and the end of the world, and the meaning and problem of mythology in the modern age. *Three credit hours.* MS. SOIFER

232 **Western Spirituality** Representative spiritual traditions of the West, focusing on spiritual ideals and methods, mysticism, and concepts of what it means to be human and to relate to the divine. Movements and persons to be considered include Philo, Benedict, Hesychasts, Franciscans, Hasidim, Carmelites, and the British and European pietists. *Three credit hours.* MR. BIRKEL

233 **Biblical Literature I** An introduction to the literature of the Hebrew Bible (the Old Testament) in terms of its historical context, its original meaning, and its significance in the contemporary world. The narratives, prophecies, and other literary forms are studied against the background of the history of Israel in order to understand the history and religion of the people for whom this literature became normative scripture. *Three credit hours.* MR. BIRKEL

234 **Biblical Literature II** Intended as a sequel to Religion 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 which reflects the background and earliest stages of the Christian movement. Attention is given to the historical and cultural context of the literature, the development of early Christian theology, and its significance for the contemporary world. *Three credit hours.* MR. BIRKEL

\*235d2 **Religions of the Oppressed** A look at five religious movements arising out of some form of political, economic, social, or sexual oppression: Melanesian Cargo Cults,

American Indian religions, American slave religion, the Black Muslims, and thirteenth-century European women mystics. The role of the conditions leading to the development of the movements, and to the prophet, cosmology, and rituals. *Three credit hours.* MS. RICHMAN

[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 will be given to the diversity within Islam (e.g., Sunni, Mu'tazilite, Sufi, Shi'ite, etc.) as well as to its general characteristics. Attention will be given both to Islam in its formative period and to Islam as a dominant religion in the contemporary Middle East. *Three credit hours.*

[258] **Religious Perceptions of Gender** A cross-cultural examination of religious attitudes expressed in mythology, philosophical texts, theology, ritual practice, and institutional forms that contribute to an understanding of maleness and femaleness. Emphasis on understanding the manner in which religious perceptions and values reflect or challenge prevailing cultural norms; attention focused on examples from Eastern and Western religious traditions. *Three credit hours.*

[273] **Meditation and Monasticism** A thematic study of asceticism, contemplation, seclusion, and communal discipline as religious phenomena. Focus on the goals and practices of asceticism, the origins of monastic orders, the rules and discipline of religious orders, the cultural variations among different groups of religious virtuosos and their contributions to lay religiosity; examples to include Western and Eastern Christianity, Yoga, Ch'an, and Zen. *Three credit hours.*

[277, 278] **Religious Perspectives** Interdisciplinary considerations of various topics. *Three credit hours.*

314 **Religion in Modern India** Rural and urban forms of religion in present day India: novels, anthropological accounts of village life, debates between learned religious specialists, and folk literature. Focus on the role of karma, notions of "caste," and the effects of modernization on religion. *Prerequisite:* Religion 211 or 258 or Anthropology 312 or permission of the instructor. *Three credit hours.* MS. RICHMAN

†[316] **Contemporary Perspectives in Western Theology** Traditions, trends, and recent developments in Western religious thought in the twentieth century. Part I: The characterization of the basic traditions at the turn of the century (i.e., Protestant, Roman Catholic, Jewish). Part II: Major evolving trends to midcentury (e.g., biblical, philosophical, psychological, and sociological). Part III: A brief survey of developments since midcentury (e.g., death of God, black theology, liberation theology). Lectures, panels, films, and readings representative of each phase. Student presentations to the class will be encouraged. *Three credit hours.*

[351] **Job and Wisdom** Wisdom literature is an international phenomenon usually transcending national and cultural interests and focusing on questions of value. The book of Job will be studied as the best example of this literary genre to be found in the canonical writings of Judaism and Christianity. Comparisons with other examples of ancient Near Eastern wisdom literature will be drawn, the authors' judgments about the values of life and faith will be discussed, and the question of the relevance of this literature in the modern world will be explored. *Prerequisite:* Religion 233. *Three credit hours.*

[352] **The Theology of Paul** Early Christian theology was more often shaped by the heat of controversy than by the calm analysis of theological reflection. Paul's letters, and the controversies that prompted them, will be studied as a basis for understanding Pauline theology, its relation to other elements of first-century religion, and its influence on later Western thought. *Prerequisite:* Religion 234. *Three credit hours.*

†[353] **The Great Prophets of Israel** An intensive study of several of the Old Testament prophets, their lives, and messages. The course will consider each prophet's impact on his own times, and will raise the question of the importance of prophecy in ancient and modern times. *Prerequisite:* Religion 233. *Three credit hours.*

†[358] **Jesus of Nazareth** An intensive study of the life and teachings of Jesus, employing the methods of gospel study developed in the nineteenth and twentieth centuries. The course will examine the canonical and extracanonical literature about Jesus, including recent studies of these materials. Attention will be given to the importance of the "quest for the historical Jesus" for contemporary Christianity. *Prerequisite:* Religion 234. *Three credit hours.*

\*372 **Philosophy of Religion** Listed as Philosophy 372 (q.v.). *Three or four credit hours.* MR. PARKER

[373] **History of Medieval Philosophy** Listed as Philosophy 373 (q.v.). *Three or four credit hours.*

[391, 392] **Religion Seminar** Seminars in selected areas. *Three credit hours.*

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

## Russian

*In the department of modern foreign languages.*

Students interested in Russian are invited to consider an independent major (q.v.), combining their study of Russian with another area of concentration (another language or literature, art, economics, history, music, philosophy, sociology). Such students are encouraged to take advantage of various summer programs offered domestically and in the Soviet Union, and to compete for a place in a semester language program in Leningrad or Moscow.

†[001j] **January in the USSR** A comprehensive introduction to the Soviet Union, its culture, and its people. Visits to four cities in the USSR: Moscow and Leningrad, the capitals of Russia; Kiev, the capital of the Ukraine; and Tallin, the capital of Estonia. In each city there will be meetings with Soviet youth, lectures on Soviet life, and other information programs. Excursions to museums and theater visits will increase the students' knowledge of Russian history, literature, and art. *Prerequisite:* Permission of the sponsor. *Noncredit.*

**121, 122 Elementary Russian** Introduction to the language by an audio-lingual method, with emphasis on understanding spoken Russian and on learning the structure of the language. The use of taped structural drills in the language laboratory is an integral part of the course. *Four credit hours.* MR. MILLER

**123, 124 Intermediate Russian** Continued study of grammar, with emphasis on vocabulary building, reading, and self-expression. The use of taped materials in the language laboratory continues as an integral part of the course. *Prerequisite:* Russian 122 or two years of high school Russian and appropriate score on the placement test. *Four credit hours.* MR. MILLER

**\*223, 224 Russian Culture and Civilization** An introduction to Russian civilization from its origins to the present day. Conducted in English; no knowledge of Russian required. *Three credit hours.* MR. MILLER

**225, 226 Advanced Russian** Grammar review and practice in oral and written expression. Additional practice in Russian phonetics and intonation. Analysis of literary and nonliterary texts of Modern Standard Russian. The course includes language laboratory work. Conducted in Russian and English. *Prerequisite:* Russian 124 or permission of the instructor. *Four credit hours.* MR. MILLER

†[237] **Russian Literature in Translation I** A survey of the most important works in Russian literature from its beginning until Dostoevsky's death. Representative works of Pushkin, Lermontov, Gogol, Goncharov, Shchedrin, and Dostoevsky. *Three credit hours.*

†[238] **Russian Literature in Translation II** Tolstoy through the Soviet period. Representative works of Tolstoy, Chekhov, Bely, Mayakovsky, Sholokhov, Pasternak, and Solzhenitsyn. *Three credit hours.*

**491, 492 Independent Study** Individual readings in areas of the student's major interest. *Prerequisite:* Permission of the instructor. *Two to four credit hours.* MR. MILLER

## Selected Topics

**-97, -98 Study of Selected Topics** Each department and interdisciplinary major may from time to time offer special courses not otherwise included in its regular course listing. When such a course is offered, it will be listed 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 will be determined by the department or interdisciplinary major offering the course, and will be available at registration.

## Sociology

*Chairman, PROFESSOR JONAS ROSENTHAL*

*Professors Frederick Geib<sup>1</sup> and Rosenthal; Associate Professor Thomas Morrione<sup>2</sup>;*



*Assistant Professors Robert Doel, Beatrice Edwards, Judith Modell<sup>2</sup>, and Dallas Browne; Instructor Susan DiGiacomo*

The department offers a wide variety of courses in sociology and anthropology, serving those students who want a broad introduction to theory and methods, and also those who seek preparation for graduate study and research in sociology, anthropology, social work, and related fields. Short courses, independent study, and field experiences are part of the curriculum, and many majors play an active role in such Waterville community agencies as the public schools, YMCA, Kennebec Valley Regional Health Agency and Community Action Program, and local hospitals. Both students and faculty participate in interdisciplinary programs, including American studies, black studies, human development, and women's studies.

#### **Requirements for the Major in Sociology**

Sociology 121, 122, 271, 272, 311, and 15 additional hours in sociology, including either 313 or 318; any combination of 12 hours selected from history, government, psychology, and economics. Sociology 271 should be taken before the end of the sophomore year. A junior and a senior sociology seminar, or a written or oral comprehensive examination, must be passed.

At least one independent January program must be taken in sociology during the junior or senior year.

The point scale for retention of the major applies to all courses in anthropology and sociology. No requirement for the major may be taken pass/fail.

Sociology majors without a concentration in anthropology may count a maximum of 12 credit hours in anthropology, with no more than four credit hours in an area course, and no more than four credit hours in a topical course, to count toward the 30-hour requirement.

#### **Requirements for the Major in Sociology with a Concentration in Anthropology**

Sociology 121, 271, and 311; Anthropology 111 and 112; one course in anthropology theory or methods (238 or 311 or 312); one course in anthropology area study (211, 231, 232, or 297b); one topical anthropology course (212, 217, 297, 298, or 397); six additional hours in sociology courses above the 100 level; any combination of 12 additional hours selected from economics, government, history, and psychology. A junior and a senior sociology seminar, or a written or oral comprehensive examination, must be passed.

At least one independent anthropology January program must be taken during the junior or senior year.

The point scale for retention of the major applies to all courses in anthropology and sociology. No requirement for the major may be taken pass/fail.

<sup>1</sup>On leave second semester.

<sup>2</sup>On leave full year.

\*112j **Interaction Process Analysis** Theories and methods of understanding interpersonal behavior as it occurs in small groups. Synthesis of concepts, theory, and observation of the group. Enrollment limited to 16; preference given to freshmen. *Prerequisite:* No prior sociology courses and permission of the instructor. *Three credit hours.*

MR. ROSENTHAL

121d, 122d **Principles of Sociology** Human society: its growth, institutions, activities, and problems. The course attempts to synthesize the available knowledge and concepts necessary for a scientific understanding of our complex modern society. Multisectioned, with each having a distinctive theme. *Three credit hours.* FACULTY

**211j, †[212] Short Courses in Sociology** During each semester several different short courses will be offered. A student may take any or all; however, registration is required for each course. Each course will run approximately four to six weeks. By department rule, dropping or adding any short course must be done *prior* to the second meeting of the class. Cannot be counted toward the sociology major unless Sociology 121, 122 are taken previously or concurrently. Enrollment limited. *Prerequisite:* Permission of the instructor. *One or two credit hours per short course.* (January 1985: *three credit hours*). MR. GEIB

**231 Contemporary Social Issues** Analysis of selected controversial issues in contemporary society. General theoretical frameworks in the sociology of social problems will be considered to analyze several social issues from one or more perspectives. Special attention given to areas such as alienation, economic and political freedom, poverty and social inequality. *Prerequisite:* Sociology 121 or permission of the instructor. *Three credit hours.* MR. DOEL

†[232] **Human Ecology** "Panorama": a study of man's role in changing the face of the earth from prehistoric to modern times, human origins, the growth of society, civilization, and the formation of the state. Consideration given to the relationship between human society and the ecosystem concept, theory of demographic transition, population growth, and environmental carrying capacity. *Prerequisite:* Sociology 121 or permission of the instructor. *Three credit hours.*

†[233] **Criminology** Crime in social and cultural perspective, conditions and situations that encourage antisocial conduct, the philosophy and practice of punishment, and programs for reducing or eliminating crime. *Prerequisite:* Sociology 121, 122. *Three credit hours.*

†[237] **The Sociology of Child Development** The family as transmitter of the culture, relationships between social forces acting upon the family and the socialization process, and relationships between family characteristics, transmission, and socialization. See also Education 213, 253, 254, 273, 274. *Prerequisite:* Sociology 121. *Three credit hours.*

†[238] **Urbanization** A survey of the origin, growth, and function of cities from both anthropological and sociological perspectives. Emphasis on urbanization in the context of Latin American and African underdevelopment. Social adjustment to urban life, urbanization and economic development, and urban problems of poverty, unemployment, and underemployment. *Prerequisite:* Sociology 121 or Anthropology 111. *Three or four credit hours.*

†[252] **Race and Minorities** Major problems of race and minority groups, focusing on contemporary United States. *Prerequisite:* Sociology 121, 122. *Three credit hours.*

**253j Women and Fascism** An overview and comparison of the socio-political and economic treatment of women in Nazi Germany and Falangist Spain, focusing first on the ideological elements of fascism that determined the status of women. These elements involve religion and the family, the family and the state, the state and the individual. Subsequently, the economic imperatives underlying the special oppression of women under fascist regimes will be considered. *Prerequisite:* Sociology 121. *Three credit hours.* MS. EDWARDS

**271 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 121. *Three credit hours.* MS. EDWARDS

**272 Advanced Research Methods** Using either available resources or data collected for a specific investigative purpose, students will design and execute a research project. The course will incorporate manipulation of quantitative data using the computer, basic statistical analysis, interpretation of statistical results, and integration of empirical findings into sociological theory. *Prerequisite:* Sociology 271. *Three credit hours.* MS. EDWARDS

**273 The Family** Changes in the family and its relationship to other institutions in society are examined using a sociohistorical perspective. *Prerequisite:* Sociology 121. *Three credit hours.* MS. ROSE

**\*274 Social Stratification** Using a historical and sociological orientation, this course will examine how man constructs a world of social inequality. Study of past and present stratification systems, their origins, development, and decline. The quest for social equality as the enigma of modern man. *Prerequisite:* Sociology 121 or permission of the instructor. *Three credit hours.* MR. DOEL

†[275] **Social Situations: Theory and Observation** An introduction to issues, problems, and strategies relating to the observation and analysis of human interaction in natural social settings. A social-psychological perspective is developed through discussion of first-hand field experience and participant observations in a variety of settings. *Prerequisite:* Sociology 121 and permission of the instructor. *Three credit hours.*

[276] **Men and Women in Society** The behaviors expected of people because of their sex and differences in the status of men and women in society will be examined using a sociohistorical perspective. Theories accounting for sex differences will be analyzed, and the consequences of social inequality based on sex in contemporary society will be explored. *Prerequisite:* Sociology 121. *Three credit hours.*

†[277] **Psychological Aspects of Sociology** 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 symbolic interactionist point of view. *Prerequisite:* Sociology 121. *Three credit hours.*

**311 History of 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. *Prerequisite:* Sociology 121, 122. *Three credit hours.* MR. DOEL

†[313] **History of Social Thought** Survey of man's ideas about human nature and the social order, centered on social thinkers prior to the development of sociology. Selected social thoughts of civilized man prior to Comte. *Prerequisite:* Sociology 121, 122, or permission of the instructor. *Three credit hours.*

**314 Man and His Gods** Comparative religious systems and their relationships to social structures. Modes of human adaptation to the natural order in folklore, myth, and major world religions from prehistoric to contemporary primitive and secular societies. Science as religious metaphor. *Prerequisite:* Sociology 121 or permission of the instructor. *Three credit hours.* MR. DOEL

**\*316 Special Topics in Sociology** Topics in selected areas of sociology. *Prerequisite:* Sociology 121 or Anthropology 111. *Three credit hours.* MS. PRESTON

**318 Contemporary Theory** An analysis of the contemporary state of sociology as a discipline. Special attention given to critical theory, phenomenology, ethnomethodology, symbolic interactionism, and existential sociology. *Prerequisite:* Sociology 121, 122, and permission of the instructor. *Three credit hours.* MS. EDWARDS

†[334] **Social Deviance** Definitions of deviance and theories of explanation and analysis of deviant behavior. Readings and discussions will emphasize the history and development of contemporary perspectives. Enrollment limited to 15; seniors and majors given preference. *Prerequisite:* Sociology 121 and permission of the instructor. *Three credit hours.*

**371, 372 Practicum in Sociological Research** Under supervision of a faculty member, on a tutorial basis, each student will develop and pursue a sociological research project of limited scope. Although survey research is the design most frequently chosen, alternate modes appropriate to the problem defined and data derived may be developed (e.g., field studies, field experiments, laboratory experiments, participant observation, content analysis). *Prerequisite:* Sociology 271 and permission of the instructor. *Three or four credit hours.* FACULTY

**374 Junior Sociology Seminar** Extensive study of the meaning and uses of central concepts that are the intellectual tools of the sociologist, seeking an understanding of the divergencies and convergencies in terms of sociological perspectives and schools of thought. Participation in the analysis of some common readings and of individual and group presentations. *Prerequisite:* Junior standing as a sociology major or permission of the instructor. *Three credit hours.* MR. ROSENTHAL

†[392] **Social Change** Although a historical approach is used at times, this course is primarily theoretical. The mechanisms, functions, and consequences of social change. Particular attention is given to the relevance of social change for the social order. *Prerequisite:* Sociology 121, 122. *Three credit hours.*

†[394] **Collective Behavior** A course that seeks to shed light on the plight of contemporary man through the examination of the various instances of collective behavior—crowds, masses, publics, and social movements—and the forces that mold each. Consideration is given also to public opinion, propaganda, communication and the major mass media, and their functions in modern society. *Prerequisite:* Sociology 121, 122, or permission of the instructor. *Three credit hours.*

†[412] **Sociological Issues in Third World Development** Major sociological and economic issues in Third World development and the interaction of social and economic forces in the development process. Among the issues to be addressed are: the consequences of colonialism, theories of underdevelopment, structural demographic changes,

industrialization, land reform, human-resource development, and the role of the state in the growth process. *Prerequisite:* Sociology 121. *Three credit hours.*

**491, 492 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

†[494] **Senior Sociology Seminar** The meaning and development of sociological perspectives. Individual projects developed from group discussions. *Prerequisite:* Sociology 374, senior standing, and permission of the instructor. *Three credit hours.*

## Spanish

*In the department of modern foreign languages. Unless otherwise specified, all courses numbered above 124 are conducted in Spanish. Spanish 142 or permission of the instructor is required for all courses numbered 200 or higher.*

*Professors Henry Holland<sup>1</sup> and Francisco Cauz<sup>2</sup>; Associate Professor Priscilla Doel; Assistant Professors Jorge Olivares, Marcia Tardito, and James Airozo; Lecturer Barbara Nelson<sup>3</sup>*

**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 achievement test in the language or take the placement test during freshman orientation.

### Requirements for the Major in Spanish

Spanish 232 and at least seven additional semester Spanish courses numbered above 131; one course at the 200 level or above in each of the following areas: Golden Age, Modern Peninsular literature, and Spanish American literature.

The following statements also apply:

- (1) The point scale for retention of the major is based on all Spanish courses numbered above 124.
- (2) No major requirements may be taken pass/fail.
- (3) No more than the equivalent of four semester courses of foreign study or transfer credit may be counted toward the major.
- (4) All majors must take at least one course in Spanish approved by the major adviser each semester until graduation.

**Teacher Certification:** Students desiring certification for teaching Spanish should consult the department.

<sup>1</sup>Resident director, Cuernavaca program, first semester.

<sup>2</sup>Resident director, Colby in Salamanca, full year.

<sup>3</sup>Part-time.

**117j Intensive Spanish** A course in oral and written Spanish given at the Center for Bilingual Multicultural Studies in Cuernavaca, Mexico, intended for students at the 100 level in Spanish. Nongraded. *Prerequisite:* Permission of the instructor. *Three credit hours.* INSTRUCTOR

**121, 122, 123, 124 Intensive Spanish in Mexico** An intensive Spanish language course given in Cuernavaca, Mexico, and open primarily to incoming freshmen. *Fifteen credit hours.* MR. HOLLAND

**121, 122j, 122d Elementary Spanish** Introduction to the language by an audio-lingual method, with emphasis on understanding, speaking, and reading. Use of taped materials in the language laboratory is a regular part of the class work. *Four credit hours* (January 1985: *three credit hours*). MR. OLIVARES, MS. NELSON

**123d, 124d Intermediate Spanish** Continued practice in the oral-aural skills, with increasing emphasis on reading and writing through use of reading from Spanish and Latin American literature. Studies and grammar review supplemented with drill work in the laboratory. *Prerequisite*: Spanish 122 (for 123) or Spanish 123 (for 124) or appropriate score on the College Board Spanish achievement test. *Four credit hours*. MS. DOEL AND FACULTY

**124j Intermediate Spanish** An intensive course equivalent to a regular semester's work. One section will be offered in Cuernavaca, Mexico (for which a supplementary fee will be charged; limited financial aid is available). *Prerequisite*: A grade of B- or better in Spanish 123 and/or permission of the instructor. *Three credit hours*. INSTRUCTOR

**131d Conversation and Composition** Language review with emphasis on oral expression, written composition, and vocabulary development. *Prerequisite*: Spanish 124 or appropriate College Board score. *Three credit hours*. FACULTY

**141d, 142d Introducción Al Mundo Hispánico** The Hispanic tradition reflected in the works of major figures of Spain and Latin America. *Prerequisite*: Spanish 124. *Three credit hours*. MR. HOLLAND, MR. OLIVARES, AND MR. AIROZO

**218 Spanish American Culture** A consideration of the ways representative Spanish-American thinkers define *lo americano*. Topics for discussion will include cultural stereotypes, colonialism, anglophobia, miscegenation, and revolution. Readings from different genres (poetry, novel, essay, theater) and authors, such as Arriví, Carpentier, N. Guillén, Martí, Neruda, Paz, Rodó, and Vasconcelos. *Three credit hours*. MR. OLIVARES

**232d Advanced Spanish** A review of Spanish grammar at the advanced level, with directed themes and free composition. Enrollment limited. *Prerequisite*: Spanish 131, 141, or appropriate College Board score. *Three credit hours*. MR. OLIVARES AND MS. TARDITO

**255 Nineteenth-Century Spanish Literature** Representative works of romanticism and realism. *Four credit hours*. MR. AIROZO

†[256] **The Generation of 1898** The principal figures of this generation: Unamuno, Azorín, Baroja, Valle-Inclán, and Machado. *Four credit hours*.

**257d2 Modern Spanish Literature** The literature of twentieth-century Spain. *Four credit hours*. MS. TARDITO

†[258] **The Contemporary Spanish Novel** The Spanish novel after the Spanish war (1936-39). Authors will include Carmen Laforet, Camilo José Cela, Ignacio Aldeloa, Jesús Fernández Santos, Luis Martín Santos, Juan Marsé, and Juan Goytisolo. *Four credit hours*.

**271 Latin American Literature I** Selected prose, poetry, and theater from the period of Independence to the early 1900s. Formerly listed as Spanish 261. *Four credit hours.* MS. DOEL

**272 Latin American Literature II** Selected prose, poetry, and theater from the beginning of this century to the contemporary period. Formerly listed as Spanish 262. *Four credit hours.* MR. OLIVARES

†[332] **Contemporary Latin American Literature** Authors will include Carlos Fuentes, García Márquez, Manuel Puig, Julio Cortázar, and Jorge Luis Borges. *Four credit hours.*

†[337] **Medieval Spanish Literature** Medieval Spanish classics: *El Cid*, *El libro de buen amor*, *La Celestina*, and *El romancero*. *Four credit hours.*

**351 El Siglo de Oro** The Spanish classical theater, the picaresque novel, and selected works of Cervantes. *Four credit hours.* MS. TARDITO

**352 Don Quijote** Study and analysis of *Don Quijote de la Mancha*. *Four credit hours.* MS. DOEL

**491, 492 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, 494 Seminar in Spanish and Latin American Literature** Topics, which change each semester, may cover an author, a genre, or a literary movement. (Fall 1984: *Games Authors Play: The Self-Conscious Novel in Spanish America.*) *Prerequisite:* Permission of the instructor. *Four credit hours.* INSTRUCTOR

## Special Programs

*Director, ASSOCIATE PROFESSOR ROBERT KANY*

Recognizing the fact that diverse interests exist in every community, and that even the most professionally trained individuals have a need to continue their education, Colby maintains a division 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, public and professional services, and youth camps.

The major focus of the summer program is continuing medical education (CME); indeed, Colby is the only undergraduate college in the country approved by the Accreditation Council for Continuing Medical Education to sponsor CME for physicians. There are about 15 CME offerings each year in a variety of specialty and family-practice programs attended by health-care professionals.

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

Approximately 125 doctors enroll each summer in the 10-week Lancaster Course in Ophthalmology, and three- to five-day seminars are held in Anesthesiology, Dermatology, Emergency Medicine, Forensic Medicine, Allergy-Immunology, Marine

Medicine, Nuclear Medicine, Obstetrics-Gynecology, Ophthalmology, Otolaryngology, Pediatrics, Pulmonary Disease, and Surgery. The Maine Orthopedic Review is a two-week course.

In addition to CME accreditation, for courses designed for primary-care physicians, American Academy of Family Practice credit is generally available. Some of the medical seminars are cosponsored by nationally recognized organizations such as the Cleveland Clinic, the National Association of Medical Examiners, and the Undersea Medical Society, Inc.

Public and professional service programs include the Estate Planning and Tax Institute, Advanced Audiology, Church Music Institute, Great Books, and Piano Institute. Youth camps for cheerleading, field hockey, soccer, football, basketball, etc., are available.

During the academic year, the division arranges such annual conferences as the Colby Institute for Management. Adult courses and noncredit courses for which the continuing education unit may be earned are also structured and evaluated through special programs. In addition, the use of Colby's facilities for conferences is coordinated through the division of special programs throughout the year.

Information may be obtained by writing to the director, Robert H. Kany.

## Women's Studies

*Coordinators*, ASSISTANT PROFESSOR JANE MOSS AND ASSOCIATE PROFESSOR SONYA ROSE

The women's studies program is devoted to analyzing the social, psychological, political, economic, historical, and artistic dimensions of women's experience, drawing on courses from a broad range of disciplines to reflect the complexities of women's lives. It encourages the development of new methods of analysis and the introduction of previously neglected fields of study with the goal of enriching the entire college curriculum.

### **Courses Offered in the Women's Studies Program**

*American Studies*: 274 The Female Experience in America.

*Anthropology*: 215 Cross-Cultural Perspectives on Sex Roles.

*Art*: 372 Women in Art; 374 Women and Film.

*Chinese*: 297 Women in Chinese Literature.

*Education*: 294 Women in Professions.

*English*: 356 Modern American Fiction; 494 Literature of the Black Woman Writer.

*French*: 353 Francophone Women Authors.

*German*: 398 Women in Contemporary German Fiction, GDR-BRD (in translation).

*Government*: 434 Seminar: Women in American Politics.

*History*: 257 History of Women in America; 271 Feminism and Anti-feminism.

*Music*: 315 Women Composers, Eighteenth Century to the Present.

*Psychology*: 217 Sex Differences in Human Behavior.

*Religion*: 258 Religious Perceptions of Gender.

*Sociology*: 276 Men and Women in Society; 298 Sociology of Women's Work.





# Directories and Appendices

The Corporation	155
Faculty	162
Administration	180
Enrollment by States and Countries	183
Degrees Awarded at Commencement	184
Honors	189
Index	197
College Calendar 1984-85	202
College Calendar 1985-86	203



# The Corporation 1984-85

## Corporate Name

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- PHILIP WILLIAM HUSSEY, JR., B.A., M.A., Kennebunkport, Maine, *President, Chief Executive Officer, and Director, Hussey Corporation* (Al. 1987)
- ELLERTON MARCEL JETTÉ, LL.D.<sup>1, 2</sup>, Boston, Massachusetts, *Honorary Chairman, C. F. Hathaway Company*
- ROBERT SPENCE LEE, B.A., M.A., Beverly Farms, Massachusetts, *President, Hotwatt, Incorporated* (1987)
- LAWRENCE CARROLL McQUADE, LL.B., New York, New York, *Executive Vice President and Group Executive, W. R. Grace & Company* (1985)
- C. DAVID O'BRIEN, B.A., M.A., Yarmouth, Maine, *Partner, H. M. Payson and Company* (1985)
- PAUL DONNELLY PAGANUCCI, J.D., Hanover, New Hampshire, *Vice President and Senior Investment Officer, Dartmouth College* (1985)
- WILSON COLLINS PIPER, LL.B., LL.D., Wellesley, Massachusetts, *Partner, Ropes and Gray* (1985)
- FREDERICK ALBERT POTTLE, Ph.D., LL.D., Litt.D., L.H.D.<sup>2</sup>, New Haven, Connecticut, *Sterling Professor of English Emeritus, Yale University*
- KERSHAW E. POWELL, D.M.D., Waterville, Maine, *Dentist* (Al. 1985)
- LAWRENCE REYNOLDS PUGH, B.A., M.A., Reading, Pennsylvania, *Chairman of the Board and Chief Executive Officer, VF Corporation* (Al. 1985)
- DAVID PULVER, M.B.A., Pine Brook, New Jersey, *The Children's Place* (1987)
- PATRICIA RACHAL, Ph.D., Rye, New York, *Assistant Professor of Political Science, Queens College* (Al. 1986)
- ROBERT SAGE, B.A., M.A., Newton, Massachusetts, *President, Sage Hotel Corporation* (1986)
- RICHARD ROBERT SCHMALTZ, B.A., M.A., Darien, Connecticut, *Chairman, Stock Selection Committee, Kidder, Peabody & Co., Incorporated* (1986)

ROBERT EDWARD LEE STRIDER II, Ph.D., LL.D., L.H.D., Litt.D., HH.D., D.S. in B.A., D.Ed.<sup>2</sup>, Brookline, Massachusetts, *President Emeritus, Colby College*

SIGRID EMMA TOMPKINS, LL.B., Portland, Maine, *Attorney, Pierce, Atwood, Scribner, Allen, Smith and Lancaster* (1985)

EDWARD HILL TURNER, A.B., L.H.D., Belgrade, Maine, *Vice President for Development Emeritus, Colby College* (1987)

#### Faculty Representatives

EDWIN JAMES KENNEY, JR., Ph.D., China, Maine, *Professor of English* (1985)

JAMES WILLIAM MEEHAN, JR., Ph.D., Waterville, Maine, *Professor of Economics* (1986)

#### Student Representatives

THOMAS A. CLAYTOR '85, Radnor, Pennsylvania (1985)

CORY L. HUMPHREYS '85, Columbus, Ohio (1985)

<sup>1</sup>Former chairman of the board.

<sup>2</sup>Honorary life member.

#### Colby College Trustees Emeriti

SUSAN FAIRCHILD BEAN '57, 1976-1982

JOHN WOOLMAN BRUSH '20, 1945-1951

JOHN LAWRENCE BURNS, 1978-1982

NORMAN L. CAHNERS, 1969-1975

HARRISON CHANDLER, 1968-1974

HELEN DOROTHY COLE '17, 1935-1941

JOHN WILLIAM DEERING '55, 1978-1981

MIRA LOUISE DOLLEY '19, 1937-1942

RODERICK EWEN FARNHAM '31, 1959-1965

HILDA MARY FIFE '26, 1958-1964

ROBERT HALLOWELL GARDINER, 1960-1966

EUGENIE HAHLEBOHM HAMPTON '55, 1972-1978

DORIS HARDY HAWHEELI '25, 1952-1958

JEAN GANNETT HAWLEY, 1960-1972

DANIEL RAY HOLT '21, 1956-1962

RUTH RICH HUTCHINS, 1954-1970

CLAYTON WEARE JOHNSON '26, 1965-1971

LEONARD WITHINGTON MAYO '22, 1957-1969

RITA ANN McCABE '45, 1966-1972, 1973-1983

- MATTHEW TAYLOR MELLON, 1944-1959  
 NEWTON LEROY NOURSE '19, 1942-1958  
 DAVID MACKENZIE OGILVY, 1963-1969  
 BETTINA WELLINGTON PIPER '35, 1964-1970  
 ALICE LINSOTT ROBERTS '31, 1954-1960  
 HENRY WESTON ROLLINS '32, 1962-1968  
 ROBERT CONVERSE ROWELL '49, 1961-1967  
 DWIGHT EMERSON SARGENT '39, 1958-1964, 1971-1974  
 MARION WHITE SMITH '17, 1942-1948  
 RAYMOND SPINNEY '21, 1946-1952  
 RUSSELL MILLARD SQUIRE '25, 1948-1955  
 EUGENE CHARLES STRUCKHOFF '44, 1967-1970  
 W. CLARKE SWANSON, JR., 1970-1976  
 M. ANNE O'HANIAN SZOSTAK '72, 1974-1982  
 ARTHUR TOTTEN THOMPSON '40, 1970-1974  
 JEAN MARGARET WATSON '29, 1965-1971  
 RALPH SAMUEL WILLIAMS '35, 1973-1983  
 ROBERT FREDERIC WOOLWORTH, 1965-1977

### Overseers

- RICHARD LLOYD ABEDON, Tiverton, Rhode Island, *Chairman, Richard L. Abedon Company*, Visiting Committees on Admissions and Financial Aid and on East Asian Studies (1984)  
 HAROLD ALFOND, Waterville, Maine, *Chairman of the Board, Dexter Shoe Company*, Visiting Committee on Physical Education and Athletics (1984)  
 FRANK OLUSEGUN APANTAKU, Chicago, Illinois, *Physician*, Visiting Committee on Mathematics (1985)  
 LEIGH BUCHANAN BANGS, Carmel, Indiana, *Product Manager, Seragen Diagnostics*, Visiting Committee on Chemistry (1984)  
 CHARLES PUTNAM BARNES II, Cape Elizabeth, Maine, *Attorney, Perkins, Thompson, Hinckley and Keddy*, Visiting Committee on Government (1985)  
 CLIFFORD ALLAN BEAN, Concord, Massachusetts, *Management Consultant, Arthur D. Little, Incorporated*, Visiting Committees on Economics and Administrative Science and on Development (1984)  
 PATRICIA DOWNS BERGER, Brookline, Massachusetts, *Physician*, Visiting Committee on Biology and Chemistry (1984)  
 WILLIAM LAFRENTZ BRYAN, East Holden, Maine, *Associate Director of Admissions, University of Maine at Orono*, Visiting Committee on Student Affairs (1984)

- RALPH JOHNSON BUNCHE, JR., London, England, *Vice President, Morgan Guaranty Trust, London Branch*, Honorary Chairman, Ralph J. Bunche Scholars Program (1984)
- CHRISTINE MARIE CELATA, Berkeley, California, *Staff Scientist, Lawrence Berkeley Laboratories*, Visiting Committee on Physics (1985)
- JAMES ROBERT COCHRANE, Laconia, New Hampshire, *President and Director, The Seiler Corporation*, Visiting Committee on Admissions (1986)
- EDWARD R. CONY, Manhasset, New York, *Vice President/News and Executive Director, The Wall Street Journal*, Visiting Committee on American Studies (1985)
- H. KING CUMMINGS, Stratton, Maine, *Chairman of the Board and Chief Executive Officer, Guilford Industries*, Visiting Committee on Geology and Physics (1985)
- AUGUSTINE ANTHONY D'AMICO, Bangor, Maine, *President Retired, Penobscot Paint Company*, Trustee Physical Plant Committee (1984)
- EDITH EILENE EMERY, Haverhill, Massachusetts, *Associate Dean of Students Emeritus, Northeastern University*, Trustee Student Affairs Committee, Visiting Committee on Student Affairs (1984)
- JOHN W. FIELD, SR., Fairfield, Connecticut, *Management and Finance Consultant, Mine Hill Consultants Office*, Visiting Committee on Economics and Administrative Science (1984)
- WILLIAM H. GOLDFARB, Simsbury, Connecticut, *President, HRW Resources, Inc.*, Visiting Committee on Physical Plant (1987)
- RAY BOUTELLE GREENE, JR., Needham, Massachusetts, *President, Greene Associates*, Visiting Committee on Psychology (1985)
- NISSIE GROSSMAN, Wellesley, Massachusetts, *Chairman of the Board, Grossman's*, Trustee Physical Plant Committee (1985)
- JAMES JEROME HARRIS, Fort Lauderdale, Florida, *Former Chief Executive Officer, Guest Pac Corporation*, Visiting Committee on Administrative Science (1985)
- WALLACE MEREDITH HASELTON, Augusta, Maine, *Chairman of the Board, Key Bank* (1985)
- NANCY SPOKES HAYDU, Wellesley, Massachusetts, *Former Planning Coordinator, Essex Physician's Review Organization* (1988)
- BERTRAND WILLIAMS HAYWARD, Waterville, Maine, *President Emeritus, Philadelphia College of Textiles and Science*, Trustee Student Affairs Committee (1985)
- SOL HURWITZ, Rye, New York, *Senior Vice President, Committee for Economic Development*, Visiting Committees on Psychology and on Public Affairs (1984)
- EDITH KEMPER JETTÉ, Boston, Massachusetts, *Cofounder, The Friends of Art at Colby*, Visiting Committee on Art (1984)
- KENNETH ALGERNON JOHNSON, Newton Upper Falls, Massachusetts, *Assistant Headmaster—History, Boston Latin School*, Ralph J. Bunche Scholars Program (1987)



ALLAN JORDAN LANDAU, Boston, Massachusetts, *Attorney, Widett, Slater & Goldman, P.C.* (1988)

ROBERT ALF LINDGREN, New York, New York, *Partner, Rogers and Wells*, Visiting Committee on Music and the Performing Arts (1987)

PETER HAROLD LUNDER, Waterville, Maine, *President, Assistant Treasurer, and Director, Dexter Shoe Company*, Visiting Committee on Physical Plant (1986)

DAVID MARVIN MARSON, Dedham, Massachusetts, *President, The New Can Company, Inc.*, Trustee Development Committee (1985)

WILLIAM THOMAS MASON, JR., Norfolk, Virginia, *Attorney and Partner, Robinson, Eichler, Zaleski & Mason* (1987)

JOHN H. MCGOWAN, Waterville, Maine, *Retired President, Wyandotte Industries*, Trustee Physical Plant Committee (1984)

PETER BOONE ORAM, Huntington, New York, *Senior Vice President and Director, Grumman Aerospace Corporation*, Visiting Committee on History (1986)

ROBERTA PETERS, Scarsdale, New York, *ICM Artists Ltd.*, Visiting Committee on Music and the Performing Arts (1985)

JOHN FRANKLIN REYNOLDS, Waterville, Maine, *Surgeon, Mid-Maine Medical Center*, Trustee Student Affairs Committee, Visiting Committee on Philosophy and Religion (1984)

SARAH JANNEY ROSE, Washington, D.C., *Assistant Trust Officer, American Security Corporation*, Visiting Committee on History and on Development (1986)

FREDERICK ALFRED SCHREIBER, Beverly Hills, California, *Management Consultant*, Visiting Committee on East Asian Studies (1984)

MARK REDANS SHEDD, Yarmouth, Maine, *Director, Public Policy and Management Program, University of Southern Maine*, Visiting Committee on Education (1988)

GEORGE IRVING SMITH, Menlo Park, California, *Geologist, U.S. Geological Survey*, Visiting Committee on Mathematics (1985)

ELAINE ZERVAS STAMAS, Scarsdale, New York, Visiting Committee on Music and the Performing Arts (1987)

SYLVIA CARON SULLIVAN, Nashville, Tennessee, Trustee Student Affairs Committee, Visiting Committee on Student Affairs (1984)

JUDITH PROPHET TIMKEN, Lafayette, California, *Art Docent, Oakland Museum*, Visiting Committee on Music and the Performing Arts (1988)

BARBARA HOWARD TRAISTER, North Hills, Pennsylvania, *Associate Professor of English, Lehigh University*, Visiting Committees on English and on Music and the Performing Arts (1984)

PETER A. VLACHOS, New York, New York, *Executive Vice President, Energy Fund, Neuberger-Berman* (1985)

ELMER CHAPMAN WARREN, Waterville, Maine, *Director of Planning Services Retired, National Life Insurance Company*, Trustee Physical Plant Committee, Visiting Committee on Philosophy and Religion (1984)

**THOMAS JOHN WATSON III**, Boston, Massachusetts, *Legal Consultant, Fuel Tech, Inc.* (1985)

**ESTHER ZISKIND WELTMAN**, Cambridge, Massachusetts, *Trustee, Jacob Ziskind Trust for Charitable Purposes*, Visiting Committee on Human Development (1984)

**ROBERT S. WILLIAM**, Los Angeles, California, *President, Western Globe Products, Inc.*, Visiting Committee on Human Development (1984)

**WILLIAM DUNBAR WOOLDREDGE**, Hudson, Ohio, *Executive Vice President, The B. F. Goodrich Company*, Visiting Committee on Government (1987)

**CARL ROGER WRIGHT**, Skowhegan, Maine, *Attorney, Wright and MacMichael, P.A.*, Visiting Committee on Physical Education and Athletics (1985)

### Overseers Visiting Committees 1983-84

**East Asian Studies** October 2-4, 1983 / Mr. Abedon, chairman; Mr. Schreiber; David Titus, Professor of Government, Wesleyan University, consultant.

**Development Offices** December 4-6, 1983 / Mr. Bean, chairman; Ms. Rose; Addison L. Winship II, Vice President for Alumni Affairs and Development, Dartmouth College, consultant.

**Government** February 5-7, 1984 / Mr. Wooldredge, chairman; Mr. Barnes; Clement Vose, Professor of Government, Wesleyan University, consultant.

**Modern Foreign Languages** April 23-25, 1984 / Mr. Dulaney, chairman; Ms. Bondy; William N. Hughes, Professor of Germanic Languages, Michigan State University, consultant; Professor George Pistorius, Professor of Romanic Languages, Williams College, consultant.

**Music and Performing Arts** April 29-May 1, 1984 / Mr. Lindgren, chairman / *Music*: Ms. Peters; Ms. Stamas; Richard Crawford, Professor of Music, University of Michigan at Ann Arbor, consultant / *Performing Arts*: Ms. Timken; Ms. Traister; Nathan C. Garner, Assistant Professor of Speech and Drama, George Washington University, consultant.

# Faculty 1983-85

WILLIAM R. COTTER, J.D. (Harvard), 1979-  
*Professor of Government; President*

DOUGLAS NELSON ARCHIBALD, Ph.D. (Dartmouth, Michigan), 1973-  
*Professor of English; Vice President for Academic Affairs and Dean of Faculty,*  
1982-

## **Emeriti**

JULIUS SEELYE BIXLER, Ph.D., D.D., L.H.D., LL.D., D.C.L., Litt.D., Sc.D., 1942-60  
*Professor of Philosophy, Emeritus; President, Emeritus*

ROBERT EDWARD LEE STRIDER II, Ph.D., LL.D., L.H.D., Litt.D., HH.D., D.S. in B.A.,  
D.Ed., 1957-79  
*Professor of English, Emeritus; President, Emeritus*

DENNISON BANCROFT, Ph.D., 1959-74  
*Professor of Physics, Emeritus*

ARCHILLE HENRI BIRON, A.M., 1950-77  
*Professor of Modern Languages, Emeritus*

MARJORIE DUFFY BITHER, M.A., 1935-41, 1957-79  
*Professor of Physical Education, Emerita*

PHILIP STEWART BITHER, M.A., 1932-74  
*Professor of Modern Languages, Emeritus*

JAMES MORTON CARPENTER, Ph.D., 1950-81  
*Jetté Professor of Art, Emeritus*

RICHARD CARY, Ph.D., 1952-75  
*Professor of English, Emeritus*

WILFRED JAMES COMBELLACK, Ph.D., 1948-80  
*Professor of Mathematics, Emeritus*

ALICE PATTEE COMPARETTI, Ph.D., 1936-73  
*Professor of English, Emerita*

ERMANNO FRANCIS COMPARETTI, Ph.D., 1941-74  
*Professor of Music, Emeritus*

F. ELIZABETH LIBBEY CRAWFORD, M.S., 1948-71  
*Associate Professor of Library Science, Emerita*

RICHARD DYER, B.A., 1950-83  
*Assistant to the President, Emeritus*

JACK DONALD FONER, Ph.D., February 1969-74  
*Professor of History, Emeritus*

JAMES MACKINNON GILLESPIE, Ph.D., 1951-84  
*Professor of Psychology, Emeritus; Associate Dean of Students, Emeritus*

- ERNEST PARKER JOHNSON, Ph.D., 1955-78  
*Dana Professor of Psychology, Emeritus*
- EARL AUSTIN JUNGHANS, M.S., 1960-72  
*Associate Professor of Mathematics, Emeritus*
- RICHARD KNOWLTON KELLENBERGER, Ph.D., 1946-76  
*Professor of Modern Languages, Emeritus*
- DONALDSON KOONS, Ph.D., Sc.D., 1947-82  
*Dana Professor of Geology, Emeritus*
- PAUL EWERS MACHEMER, Ph.D., 1955-83  
*Merrill Professor of Chemistry, Emeritus*
- E. JANET MARCHANT, M.A., 1940-65  
*Associate Professor of Physical Education, Emerita*
- LEONARD WITHINGTON MAYO, B.A., S.Sc.D., 1966-71  
*Professor of Human Development, Emeritus*
- EARLE ALTON MCKEEN, M.Ed., 1955-71  
*Associate Professor of Education, Emeritus*
- WILLIAM BLACKALL MILLER, Ph.D., 1956-82  
*Professor of Art, Emeritus*
- GEORGE THOMAS NICKERSON, M.A., 1948-67  
*Dean of Men, Emeritus*
- LUELLA FREDERICKA NORWOOD, Ph.D., February 1943-53  
*Professor of English, Emerita*
- CLIFFORD HAZELDINE OSBORNE, B.A., D.D., 1949-65  
*Professor of Religion, Emeritus; Chaplain, Emeritus*
- ROBERT WHITE PULLEN, Ph.D., 1945-81  
*Professor of Economics, Emeritus; Administrative Vice President, Emeritus*
- WENDELL AUGUSTUS RAY, Ph.D., 1938-76  
*Professor of Chemistry, Emeritus*
- PETER JOSEPH RÉ, M.A., 1951-84  
*Professor of Music, Emeritus*
- EVANS BURTON REID, Ph.D., 1954-78  
*Merrill Professor of Chemistry, Emeritus*
- ALLAN CHARLES SCOTT, Ph.D., 1951-73  
*Dana Professor of Biology, Emeritus*
- FRANCES FENN SEAMAN, B.Mus., 1957-68  
*Dean of Students, Emerita*
- ARTHUR WILLIAM SEEPE, M.C.S., 1937-January 1972  
*Associate Professor of Administrative Science, Emeritus; Treasurer, Emeritus*
- GORDON WINSLOW SMITH, M.A., 1930-72  
*Professor of Modern Languages, Emeritus*

NORMAN SWASEY SMITH, M.Ed., 1945-68  
*Associate Professor of Education, Emeritus*

IRVING DAVID SUSS, Ph.D., 1957-80  
*Professor of English, Emeritus*

ROBERT LEE TERRY, Ph.D., 1952-83  
*Professor of Biology, Emeritus*

EDWARD HILL TURNER, B.A., L.H.D., 1953-78  
*Vice President for Development, Emeritus*

RALPH SAMUEL WILLIAMS, M.B.A., L.H.D., 1947-73  
*Wadsworth Professor of Administrative Science, Emeritus; Administrative Vice President, Emeritus*

LUCILLE PINETTE ZUKOWSKI, M.A., 1943-82  
*Professor of Mathematics, Emerita*

WALTER HENRY ZUKOWSKI, Ph.D., 1952-82  
*Wadsworth Professor of Administrative Science, Emeritus*

## Faculty

The faculty is arranged alphabetically. In parentheses are listed colleges and universities from which earned degrees have been received.

JAMES JOHN AIROZO, Ph.D. (St. John's Seminary, Boston College, Michigan), 1984-  
*Assistant Professor of Modern Languages (Spanish)*

DONALD BRUCE ALLEN, Ph.D. (Fresno State, Illinois), 1967-  
*Professor of Geology*

JONATHAN DWIGHT ALLEN, M.S.<sup>1</sup> (Case Western Reserve, Dartmouth), 1978-  
*Faculty Member without Rank: Director of Computer Services*

KIYOKO MORITA ANDERSON, M.A. (California State University at Hayward, Indiana), 1984-  
*Instructor in East Asian Studies (Japanese Language and Literature)*

DOUGLAS NELSON ARCHIBALD, Ph.D. (Dartmouth, Michigan), 1973-  
*Professor of English; Vice President for Academic Affairs and Dean of Faculty, 1982-*

SAMUEL LEIGH ATMORE, M.S. (Pennsylvania State, Simmons), 1977-  
*Faculty Member without Rank: Audiovisual Librarian*

NICHOLAS MUZIO AZZARETTI, M.Phil. (Northwestern, Columbia), 1981-84  
*Instructor in Performing Arts and in English*

CAROL HOFFER BASSETT, M.A.<sup>7</sup> (South Dakota), 1974-  
*Assistant Professor of Mathematics*

CHARLES WALKER BASSETT, Ph.D. (South Dakota, Kansas), 1969-  
*Dana Professor of American Studies and English*

RICHARD QUENTIN BELL, JR., B.S. (Delaware), 1978-  
*Adjunct Assistant Professor of Physical Education*

- ROBERT MARK BENBOW, Ph.D. (University of Washington, Yale), 1950-  
*Roberts Professor of English Literature*
- MIRIAM FRANCES BENNETT, Ph.D. (Carleton, Mount Holyoke, Northwestern), 1973-  
*William R. Kenan, Jr., Professor of Biology*
- JOEL CHARLES BERNARD, Ph.D.<sup>2</sup> \* (Cornell, Yale), 1980-  
*Assistant Professor of History*
- CLIFFORD JOSEPH BERSCHNEIDER, M.A. (Duquesne, Pittsburgh), 1949-  
*Professor of History*
- ERIC ALEXANDER GRINDLAY BINNIE, Ph.D. (Strathclyde Univ. [Scotland], McMaster [Canada], Toronto [Canada]), 1984-  
*Assistant Professor of English and Performing Arts*
- MICHAEL LAWRENCE BIRKEL, M.A. (Wilmington [Ohio], Earlham), 1984-  
*Instructor in Religion*
- RITA PHYLLIS BOUCHARD, M.A.<sup>12</sup> (Maine, Boston University), 1978-  
*Faculty Member without Rank: Reference Librarian*
- ROGER WILSON BOWEN, Ph.D.<sup>2</sup> (Wabash, Michigan, British Columbia), 1978-  
*Associate Professor of Government*
- MYLES GERALD BOYLAN, Ph.D.<sup>2</sup> (Michigan State, Case Institute of Technology, Case Western Reserve), 1982-  
*Associate Professor of Administrative Science*
- PATRICK BRANCACCIO, Ph.D.<sup>4</sup> (Brooklyn College, Ohio State, Rutgers), 1963-  
*Professor of English*
- DAVID GORDON BRIDGMAN, Ph.D.<sup>11</sup> (Yale, Wisconsin, Harvard), 1955-  
*Associate Professor of History*
- MORTON AARON BRODY, J.D. (Bates, Chicago), February-June 1984  
*Lecturer in Government*
- DALLAS LASALLE BROWNE, Ph.D. (Northeastern Illinois, Illinois at Urbana), 1982-  
*Assistant Professor of Sociology and of Black Studies*
- JOHN HAGAN BUBAR, M.B.A., M.S. (Colby, New Hampshire, Southern California), 1981-  
*Assistant Professor of Administrative Science*
- JEAN D. BUNDY, Ph.D. (Washington State, Wisconsin), 1963-  
*Dana Professor of French Literature*
- JEANNE BURNETTE, M.L.S.<sup>11</sup> (Maine), January 1979-  
*Faculty Member without Rank: Cataloguer, Library*
- MURRAY FRANCIS CAMPBELL, Ph.D.<sup>5</sup> (Pennsylvania State, Cornell), 1980-  
*Assistant Professor of Physics*
- LAURA M. CARSON, B.A. (Williams), 1981-84  
*Adjunct Instructor in Physical Education*
- FRANCISCO ANTONIO CAUZ, Ph.D. (Villanova, Middlebury, Rutgers), 1957-  
*Professor of Modern Languages (Spanish); Resident Director of Colby in Salamanca, 1984-*

- ARTHUR KINGSLEY CHAMPLIN, Ph.D. (Williams, Rochester), 1971-  
*Associate Professor of Biology*
- GREGORY BRUCE CHRISTAINSEN, Ph.D.<sup>1, 2</sup> (Wisconsin), 1980-  
*Assistant Professor of Economics*
- ROBERT EDWARD CHRISTIANSEN, Ph.D. (Wayne State, Indiana), February 1979-  
*Assistant Professor of Economics*
- CATHERINE HERLIHY COCKS, M.A.L.S. (Lake Erie, Michigan), 1980-  
*Faculty Member without Rank: Head Cataloguer, Library*
- J. FRASER COCKS III, Ph.D. (Occidental, Michigan), 1975-  
*Faculty Member without Rank: Special Collections Librarian; Lecturer in History*
- DANIEL HARRY COHEN, Ph.D. (Colby, Indiana), 1983-  
*Assistant Professor in Philosophy and Religion*
- FREDERICK RUSSELL COLE, Ph.D.<sup>2</sup> (Massachusetts, Illinois), 1977-  
*Associate Professor of Biology*
- SUSAN WESTERBERG COLE, M.S.<sup>2</sup> (Knox, Illinois), 1978-  
*Faculty Member without Rank: Science Librarian*
- GEORGE LEIDIGH COLEMAN II, M.A. (Cornell, Kansas), 1963-  
*Associate Professor; Registrar*
- WILLIAM R. COTTER, J.D. (Harvard), 1979-  
*Professor of Government; President*
- WALDO HERBERT COVELL, M.Ed.<sup>2</sup> (Maine), 1969-  
*Adjunct Assistant Professor of Physical Education*
- EILEEN MARY CURRAN, Ph.D. (Cornell, Cambridge, Cornell), 1958-  
*Professor of English*
- GENE BARTHOLOMEW DELORENZO, B.A. (Colby), 1977-  
*Adjunct Assistant Professor of Physical Education*
- SUSAN M. DIGIACOMO, M.A. (University of Massachusetts), 1984-  
*Instructor in Anthropology*
- PRISCILLA ALLEN DOEL, M.A. (Colby Junior, New York University), 1965-  
*Associate Professor of Modern Languages (Portuguese and Spanish)*
- ROBERT GEORGE DOEL, M.A. (Heidelberg, Kent State), 1965-  
*Assistant Professor of Sociology*
- WILLIAM EUGENE DOLL, Ph.D. (Montana State, Wisconsin at Madison), 1983-  
*Assistant Professor of Geology*
- JOHN MINOT DUDLEY, Ph.D. (Massachusetts Institute of Technology, California at Berkeley), 1964-  
*Associate Professor of Physics*
- THOMAS WILLIAM EASTON, Ph.D. (Maine, Brown), 1960-  
*Associate Professor of Biology*
- BEATRICE ELIZABETH EDWARDS, Ph.D.<sup>3</sup> (Georgetown, Texas, American), 1981-  
*Assistant Professor of Sociology*

ROBERT CHAPMAN EWELL, B.A. (Colby), 1978-  
*Adjunct Assistant Professor of Physical Education*

ROBERT LAMBTON FARNSWORTH, M.F.A. (Brown, Columbia), 1983-  
*Assistant Professor of English*

SIDNEY WEYMOUTH FARR, M.A., M.B.A. (Colby, Maine), 1960-  
*Associate Professor; Alumni Secretary; Secretary of the Corporation*

DAVID SPENCER FEARON, Ph.D. (Colby, Central Michigan, Connecticut), 1984-  
*Visiting Associate Professor of Administrative Science*

LEE NATHAN FEIGON, Ph.D.<sup>1</sup> (California at Berkeley, Chicago, Wisconsin), 1976-  
*Associate Professor of History*

FRANK ALEXANDER FEKETE, Ph.D. (Rhode Island at Kingston, Rutgers), 1983-  
*Assistant Professor of Biology*

CHARLES ANTHONY FERGUSON, Ph.D. (Oberlin, Ohio State), 1967-  
*Associate Professor of Modern Languages (French); Resident Director of Florence Program, Semester I, 1983-84; Semester I, 1984-85*

GUY THEOPHILE FILOSOFF, Ph.D.<sup>3</sup> (Rollins, Middlebury, Rochester), 1969-  
*Professor of Modern Languages (French)*

DAVID H. FIRMAGE, Ph.D. (Brigham Young, Montana), February 1975-  
*Associate Professor of Biology*

JACK DONALD FONER, Ph.D. (City College of New York, Columbia), February 1969-74, September-December 1983  
*Professor of History, Emeritus; Professor of History and Visiting Scholar in Residence*

BRUCE EDWARD FOWLES, Ph.D. (Brown, California at Berkeley), 1967-  
*Associate Professor of Biology*

FREDERICK H. GAUTSCHI III, M.B.A., Ph.D.<sup>2, 3</sup> (U.S. Naval Academy, California State, California at Berkeley), 1981-  
*Assistant Professor of Administrative Science*

JERI BROWN GAUTSCHI, M.Ed. (Arizona State, Valdosta State), February-June 1984  
*Lecturer in Administrative Science*

FREDERICK ARTHUR GEIB, Ph.D.<sup>6</sup> (New Hampshire, Brown, Syracuse), 1955-  
*Professor of Sociology*

HENRY ALBERT GEMERY, M.B.A., Ph.D. (Southern Connecticut, Harvard, Pennsylvania), 1961-  
*Dana Professor of Economics*

JAMES MACKINNON GILLESPIE, Ph.D. (Harvard), 1951-84  
*Professor of Psychology; Associate Dean of Students*

ROBERT A. GILLESPIE, Ph.D.<sup>7</sup> (Cornell, Iowa), 1971-77, 1982-  
*Lecturer in English*

BRYAN RANDOLPH GILLIAM, M.A. (Cincinnati, Harvard), 1983-  
*Assistant Professor of Music*



KEMP FREDERICK GILLUM, Ph.D. (Illinois, Wisconsin), 1948-  
*Professor of History*

JOHN G. GIMBEL, Ph.D. (Andrews, Western Michigan), 1982-  
*Assistant Professor of Mathematics*

GAIL JEANNINE GOBER, M.F.A. (Eastern Illinois, Michigan), 1983-84  
*Theater Technician and Lecturer in Lighting Design*

WILLIAM JOHN GORDON, Ph.D. (Columbia, Harvard), 1984-  
*Assistant Professor of Mathematics*

MICHEL GOULET, M.Ed. (New Hampshire, Ohio), 1977-  
*Adjunct Assistant Professor of Physical Education*

HUGH JAMES GOURLEY III, A.B. (Brown), April 1966-  
*Faculty Member without Rank: Director of the Museum of Art*

ARTHUR DAVID GREENSPAN, Ph.D.<sup>6</sup> (Columbia, Indiana), 1978-  
*Associate Professor of Modern Languages (French); Resident Director of Colby in Caen Program, 1980-84*

DAVID EARL GROTH, M.A. (Pomona, Michigan at Ann Arbor), 1984-  
*Instructor in Government*

KRISTIN M. HALLBERG, Ph.D. (Macalester, Wisconsin), 1982-  
*Assistant Professor of Economics*

JONATHAN FRANCIS HALLSTROM, Ph.D. (Oregon State, Iowa), 1984-  
*Assistant Professor of Music*

KENNETH GEORGE HAMILTON, Ph.D. (St. Peter's [N.J.], Rensselaer Polytechnic),  
1978-84  
*Assistant Professor of Mathematics*

JOKE ASTRID HARNISH, M.A.<sup>7</sup> (Cincinnati, Illinois at Chicago), 1983-84  
*Lecturer in Mathematics*

NATALIE BETH HARRIS, Ph.D. (Indiana), 1978-80, 1982-  
*Assistant Professor of English*

PETER BROMWELL HARRIS, Ph.D. (Middlebury, Indiana), 1974-  
*Associate Professor of English*

CHARLES STEWART HAUSS, Ph.D. (Oberlin, Michigan), 1975-  
*Associate Professor of Government*

HOMER T. HAYSLITT, JR., Ph.D. (Bridgewater, Virginia Polytechnic, Dartmouth),  
1962-  
*Associate Professor of Mathematics*

ADEL VERNA HEINRICH, A.Mus.D. (Flora Stone Mather, Union Theological,  
Wisconsin), 1964-  
*Associate Professor of Music*

SHELLEY SUE HENSLEY, B.A.<sup>7</sup> (Kenyon), September-December 1983  
*Instructor in Modern Foreign Languages (French)*

STEPHEN ROBERT HILDRICH, M.S.L.S., J.D. (Yale, Southern Connecticut State, Vermont Law), August 1983–May 1984

*Faculty Member without Rank: Reference Librarian*

TIMOTHY P. HOFMEISTER, B.A./Ph.D. (Swarthmore, Johns Hopkins), 1984–85

*Taylor Lecturer in Classics*

JAN STAFFORD HOGENDORN, Ph.D. (Wesleyan, London School of Economics), 1963–

*The Grossman Professor of Economics*

HENRY HOLLAND, Ph.D. (Maine, Harvard, Madrid), 1952–

*Professor of Modern Languages (Spanish); Resident Director of Cuernavaca Program, Semester I, 1982–*

JOHN MICHAEL HOSACK, Ph.D. (California Institute of Technology, California at Berkeley), 1981–

*Assistant Professor of Mathematics*

YEAGER HUDSON, Ph.D.<sup>6</sup> (Millsaps, Boston University), 1959–

*Professor of Philosophy and Religion; Resident Director, Intercollegiate Sri Lanka Educational Program, Semester I, 1984–85*

MICHAEL GERALD HUELSHOFF, M.A.<sup>7</sup> (Oregon, Michigan), February–June 1984

*Lecturer in Government*

JANE HARLOW HUNTER, Ph.D.<sup>2, 8</sup> (Yale), 1980–

*Assistant Professor of History*

JOHN H. INESON, S.T.B.<sup>7</sup> (New Hampshire, Berkeley Divinity School at Yale), 1981–84

*Faculty Member without Rank: Chaplain*

HAROLD ALVIN JACOBSON, Ed.D. (Bowling Green, Harvard), 1968–

*Professor of Education*

ROBERT ANTHONY JOSEPH, Ph.D. (New York at Buffalo), 1983–84

*Assistant Professor of Physics*

ROBERT HURD KANY, Ph.D. (Michigan, Pennsylvania State), February 1970–

*Associate Professor of History; Director of Division of Special Programs*

TONI DINSMORE KATZ, M.S. (Maine at Portland, Simmons), 1983–

*Faculty Member without Rank: Reference Librarian*

CYNTHIA BAIRD KEATING, M.L.S. (Connecticut, Rhode Island), 1979–January 1984

*Faculty Member without Rank: Reference Librarian*

EDWIN JAMES KENNEY, JR., Ph.D. (Hamilton, Cornell), 1968–

*Professor of English*

SUSAN McILVAINE KENNEY, Ph.D.<sup>7</sup> (Northwestern, Cornell), 1968–

*Associate Professor of English*

DIANE SKOWBO KIERSTEAD, Ph.D. (Miami [Ohio], Brandeis), 1974–

*Associate Professor of Psychology*

LIZZ LYLE KLEEMEIER, M.A. (Colorado College, California at Berkeley), 1983–

*Instructor in Government*

YVONNE RICHMOND KNIGHT, M.B.A. (Colby, Cornell), 1958-  
*Professor of Administrative Science*

DOROTHY MARIE KOONCE, Ph.D. (Cornell, Pennsylvania), 1963-  
*Professor of Classics*

HOWARD LEE KOONCE, Ph.D. (Dartmouth, Pennsylvania), 1963-  
*Professor of English*

DONALDSON KOONS, Ph.D., Sc.D. (Columbia), 1947-82, January 1984  
*Professor of Geology, Emeritus; Lecturer in Geology*

HUBERT CHRISTIAN KUETER, Ph.D. (Valparaiso, Michigan), 1965-  
*Associate Professor of Modern Languages (German)*

DAVID COREY KURTZ, Ph.D. (Purdue, Massachusetts Institute of Technology, Wake  
Forest, Duke), 1984-  
*Associate Professor of Mathematics*

ROBERT ARTHUR KURTZ, Ph.D. (Syracuse, Princeton), 1984-  
*Assistant Professor of Mathematics*

JAY BRIAN LABOV, Ph.D. (Miami [Florida], Rhode Island), 1979-  
*Associate Professor of Biology*

KENNETH D. LANE, D.A.<sup>2</sup> (Maine, Idaho State), 1982-  
*Assistant Professor of Mathematics*

CAMILLE FRANÇOISE LAPARRA, Ph.D. (Nanterre [Paris], Wisconsin at Madison), 1982-  
*Assistant Professor of Modern Languages (French); Resident Director of Colby in  
Caen, 1984-*

LEWIS FREDERICK LESTER, Ph.D.<sup>3</sup> (City University of New York, Connecticut), 1970-  
*Associate Professor of Psychology*

JEREMY ROBERT TROWER LEWIS, Ph.D. (Oxford [England], Johns Hopkins), 1984-  
*Assistant Professor of Government*

THOMAS RICHMOND WILLIS LONGSTAFF, Ph.D.<sup>2</sup> (Maine, Bangor Theological,  
Columbia), 1969-  
*Professor of Philosophy and Religion*

DAVID MARTIN LUBIN, Ph.D. (Ohio State, Yale), 1983-  
*Assistant Professor of Art and of American Studies*

DOMINIQUE LUSSIGNY, L.-és-L. (Sorbonne), September-December, 1984  
*Visiting Lecturer in Modern Foreign Languages (French)*

CATHERINE LYNCH, M.A. (Chicago, Wisconsin at Madison), 1983-84  
*Instructor in History*

ANN SAX MABBOTT, M.A.<sup>7</sup> (Wooster, Wisconsin at Madison), 1983-  
*Lecturer in Modern Languages (Spanish)*

GARY ALAN MABBOTT, Ph.D. (Wooster, Wisconsin), 1983-  
*Assistant Professor of Chemistry*

PAUL STUART MACHLIN, Ph.D. (Yale, California at Berkeley), 1974-  
*Associate Professor of Music*

COLIN EDWARD MACKAY, Ph.D.<sup>5</sup> (Brown), 1956-  
*Professor of English*

GEORGE CALVIN MACKENZIE, Ph.D.<sup>2</sup> (Bowdoin, Tufts, Harvard), 1978-  
*Associate Professor of Government*

GEORGE DOUGLAS MAIER, Ph.D. (Cornell College, Iowa State), 1965-  
*Professor of Chemistry*

LOUIS SANDY MAISEL, Ph.D. (Harvard, Columbia), 1971-  
*Professor of Government*

LISE MAISONNEUVE, M.A.<sup>7</sup> (College Edourd [Québec], Université Montreal, McGill),  
February-June 1984  
*Special Language Assistant and Visiting Lecturer*

PHYLLIS FRANCES MANNOCCI, Ph.D.<sup>3</sup> (Pennsylvania, Columbia), 1977-  
*Associate Professor of English*

MICHAEL ANDREW MARLAIS, M.A. (St. Mary's of California, California at Hayward,  
Michigan), 1983-  
*Instructor in Art*

HARRIETT MATTHEWS, M.F.A. (Sullins Junior, Georgia), 1966-  
*Professor of Art*

PAULA DIANE MATTHEWS, M.A. (Oberlin, Iowa), 1983-  
*Faculty Member without Rank: Art and Music Librarian*

ALBERT ANTHONY MAVRINAC, Ph.D. (Pittsburgh, Harvard), 1958-  
*Dana Professor of Government*

MARILYN SWEENEY MAVRINAC, M.A.<sup>7</sup> (Wellesley, Columbia), 1963-64, 1967-68,  
1969-  
*Assistant Professor of Education and of History*

MARTHA ELIZABETH MAY, Ph.D. (Virginia Commonwealth, SUNY at Binghamton),  
1984-  
*Assistant Professor of History*

ROBERT PAUL McARTHUR, Ph.D. (Villanova, Temple), 1972-  
*Professor of Philosophy; Dean of Admissions and Financial Aid*

DEBORAH E. McDOWELL, Ph.D.<sup>1</sup> (Tuskegee, Purdue), 1979-  
*Assistant Professor of English*

RICHARD JOHN MCGEE, M.S. (Maine), 1967-  
*Associate Professor of Physical Education and Director of Athletics*

JAMES FRANCIS MCGLEW, M.A. (Chicago), 1983-84  
*Taylor Lecturer in Classics*

JAMES RICHARD McINTYRE, Ph.D. (Michigan State), 1976-  
*Associate Professor of Modern Languages (German); Director of Career Services,*  
1982-

CHARLES ABBOTT MEADER, M.F.A. (Dartmouth, Colorado), 1961-1974, 1983-  
*Visiting Associate Professor of Art*

- JAMES WILLIAM MEEHAN, JR., Ph.D. (Saint Vincent, Boston College), 1973-  
*Professor of Economics*
- SANDRA LEE MENNSEN, B.A. (Minnesota), 1984-  
*Instructor in Philosophy and Religion*
- ROGER NATHAN METZ, Ph.D.<sup>1</sup> (Oberlin, Cornell), 1968-  
*Associate Professor of Physics*
- FRANK JOSEPH MILLER, Ph.D. (Florida State, Indiana), 1978-  
*Assistant Professor of Modern Languages (Russian)*
- MARGARET KOONS MILLER, B.A.<sup>7</sup> (Wooster), September 1962-January 1963,  
1971-1982, February-June 1984  
*Lecturer in Art*
- WILLIAM BLACKALL MILLER, Ph.D. (Harvard, Columbia), 1956-82, February-June  
1984<sup>7</sup>  
*Professor of Art, Emeritus; Lecturer in Art*
- DAVID H. MILLS, M.A. (Colby, University of Illinois, Harvard), 1980-81, 1984-  
*Lecturer in English*
- CHRISTINE ELIZABETH MITCHELL-WENTZEL, M.A. (Massachusetts, Michigan), 1973-  
*Adjunct Assistant Professor of Dance*
- JOHN S. MIZNER, Ph.D.<sup>5</sup> (Antioch, Pennsylvania), 1963-  
*Professor of English*
- JUDITH SCHACHTER MODELL, Ph.D.<sup>2</sup> (Vassar, Columbia, Minnesota), 1981-  
*Assistant Professor of Anthropology and of Human Development*
- THOMAS JACK MORRIONE, Ph.D.<sup>2</sup> (Colby, New Hampshire, Brigham Young), 1971-  
*Associate Professor of Sociology*
- FRED BAKER MOSELEY, Ph.D. (Stanford, Massachusetts at Amherst), 1982-  
*Assistant Professor of Economics*
- JANE MERYL MOSS, Ph.D.<sup>5</sup> (Wellesley, Yale), 1979-  
*Assistant Professor of Modern Languages (French)*
- RICHARD JAMES MOSS, Ph.D.<sup>2</sup> (Michigan State), 1978-  
*Associate Professor of History*
- MUTSUKO MOTOYAMA, Ph.D. (Doshisha [Kyoto], Kansai [Osaka], Oregon, University  
of Washington), 1982-84  
*Assistant Professor of Modern Languages (Japanese)*
- SUANNE WILSON MUEHLNER, M.L.S., M.B.A. (California at Berkeley, Simmons,  
Northeastern), 1981-  
*Faculty Member without Rank: Director of the Colby Libraries*
- JESSICA MUNNS, Ph.D. (Essex [England], Warwick [England]), 1983-84  
*Assistant Professor of English*
- LINDA DIANE MYERS, M.A. (SUNY at Cortland, Ohio State), 1984-  
*Adjunct Instructor in Physical Education*
- BARBARA KUCZUN NELSON, M.A.<sup>7</sup> (Colby, Middlebury), 1978-  
*Lecturer in Modern Languages (Spanish)*

CARL E. NELSON, M.Ed.<sup>5</sup> (Boston University, Maine), November 1967–  
*Adjunct Associate Professor of Physical Education; Director of Health Services*

EMMANUEL S. NELSON, Ph.D. (St. John's [Palayamkottai, India], Tennessee), 1983–84  
*Assistant Professor of English*

ROBERT EDWARD NELSON, Ph.D. (San Francisco State, University of Washington),  
 1982–  
*John D. MacArthur Assistant Professor of Geology*

MONIQUE NEMER, D.E.S. (Sorbonne), September–December 1983  
*Visiting Fulbright Professor of French*

THOMAS ALLEN NEWTON, Ph.D. (Hobart, Bucknell, Delaware), 1978–  
*Assistant Professor of Chemistry*

STANLEY A. NICHOLSON, Ph.D. (Montana, Duke), 1981–  
*Professor of Economics; Administrative Vice President*

PETER LORING NYE, M.A.T., M.B.A. (New Hampshire, Boston College, Cornell),  
 1983–  
*Assistant Professor of Administrative Science*

JORGE OLIVARES, Ph.D. (Miami [Florida], Michigan), 1982–  
*Assistant Professor of Modern Languages (Spanish)*

WILLIAM B. O'NEIL, Ph.D. (Amherst, Wisconsin), 1982–  
*Assistant Professor of Economics*

PATRICIA ARNOLD ONION, Ph.D.<sup>7</sup> (Connecticut College, Harvard), 1974–  
*Lecturer in English*

WILLIAM HEARNE PARDEE, M.F.A.<sup>1, 10</sup> (Yale, Columbia), 1982–83, 1984–  
*Assistant Professor of Art*

FRANCES M. PARKER, M.S.L.S. (Harpur, Columbia), August 1974–  
*Faculty Member without Rank: Assistant Director for Public Services, Library*

FRANCIS HOWARD PARKER, Ph.D.<sup>5</sup> (Evansville, Indiana, Harvard), 1971–  
*Dana Professor of Philosophy*

HAROLD PAYSON III, Ph.D. (Harvard, Fletcher School of Law and Diplomacy),  
 1979–81, 1981–December 1983<sup>7</sup>  
*Assistant Professor of Economics and of Mathematics*

PAUL POWERS PEREZ, Ph.D. (U.S. Coast Guard Academy, New York University),  
 February 1960–  
*Professor of Psychology; Clinical Psychologist*

HAROLD RICHARD PESTANA, Ph.D. (California, Iowa), 1959–  
*Associate Professor of Geology*

GREGORY MARK PFITZER, B.A.<sup>7</sup> (Colby), 1982–83, January 1984; 1984–  
*Lecturer in History*

RAYMOND B. PHILLIPS, Ph.D. (Pomona, California at Berkeley), 1984–  
*Assistant Professor of Biology; Coordinator of Academic Computing*

DEBORAH ANN PLUCK, B.S. (Slippery Rock), 1979–  
*Adjunct Assistant Professor of Physical Education*

JO ANNE PRESTON, Ph.D. (Tufts, Brandeis), 1983-84  
*Assistant Professor of Sociology*

MARILYN RUTH PUKKILA, M.A., M.S.L.S. (Michigan at Ann Arbor, Wales at Aberystwyth [England], Columbia), March 1984-  
*Faculty Member without Rank: Reference Librarian*

HAROLD BRADFORD RAYMOND, Ph.D. (Black Mountain, Harvard), 1952-  
*Professor of History*

HAROLD CHRISTIAN RAYMOND, B.S. (Virginia), April 1983-  
*Adjunct Assistant Professor of Physical Education*

PETER JOSEPH RÉ, M.A. (Yale, Columbia), 1951-84  
*Professor of Music*

DOUGLAS EDWARD REINHARDT, M.B.A. (Colby, Babson), 1972-  
*Faculty Member without Rank: Treasurer*

DOROTHY SWAN REUMAN, M.A.<sup>7</sup> (Wooster, Wisconsin), 1961-64, 1966-  
*Associate Professor of Music*

ROBERT EVERETT REUMAN, Ph.D. (Middlebury, Pennsylvania), 1956-  
*Professor of Philosophy*

JOHN FRANCIS REYNOLDS, Ph.D. (Tufts, Virginia), 1978-  
*Assistant Professor of Modern Languages (German)*

ROSS ANTHONY REYNOLDS, Ph.D. (Michigan State, Oregon), 1983-  
*Assistant Professor in Physics*

LAURENCE DALE RICHARDS, M.B.A., Ph.D.<sup>1, 2</sup> (Maine, West Florida, Mississippi State, Pennsylvania), 1980-  
*Assistant Professor of Administrative Science*

PAULA S. RICHMAN, Ph.D. (Oberlin, Princeton, Chicago), 1982-  
*Assistant Professor of Philosophy and Religion*

NICHOLAS LEROY ROHRMAN, Ph.D.<sup>5</sup> (Butler, Miami [Ohio], Indiana), 1977-  
*Professor of Psychology*

SONYA ORLEANS ROSE, Ph.D.<sup>1</sup> (Antioch, Northwestern), 1977-  
*Associate Professor; Associate Dean of the College*

DOROTHY J. ROSENBERG, M.L., Ph.D. (Stanford, Washington, Stanford), 1983-  
*Assistant Professor of Modern Languages (German)*

JONAS OETTINGER ROSENTHAL, M.A. (Swarthmore, North Carolina), 1957-  
*Professor of Sociology*

DIANNE FALLON SADOFF, Ph.D.<sup>2, 9</sup> (Oregon, Rochester), 1980-81, 1982-  
*Associate Professor of English*

IRA SADOFF, M.F.A.<sup>2, 9</sup> (Cornell, Oregon), 1977-  
*Associate Professor of English*

JEAN MARIE SANBORN, Ph.D.<sup>7</sup> (Mount Holyoke, Harvard, Union for Experimenting Colleges and Universities), 1976-  
*Lecturer in English*

- ALLEN CHARLES SCOTT, Ph.D. (Clark, Pittsburgh, Columbia), 1951-1973, January 1984-  
*Professor of Biology, Emeritus; Lecturer in Biology*
- JANICE A. SEITZINGER, M.A. (New York at Stony Brook, Boston College), 1974-  
*Faculty Member without Rank: Dean of Students*
- RICHARD CRITTENDEN SEWELL, M.A.<sup>6</sup>, 1974-  
*Adjunct Assistant Professor of Performing Arts; Director of Powder and Wig*
- THOMAS WAYNE SHATTUCK, Ph.D.<sup>1</sup> (Lake Forest, California at Berkeley), 1976-  
*Associate Professor of Chemistry*
- DAVID LAWRENCE SIMON, Ph.D. (Boston University, London), 1981-  
*Jetté Professor of Art*
- SONIA CHALIF SIMON, Ph.D.<sup>7</sup> (Boston University), 1982-  
*Assistant Professor of Art*
- MICHAEL JAMES SKADDEN, M.A. (Sevilla [Spain], Rice), 1983-84  
*Instructor in Modern Languages (Spanish)*
- DALE JOHN SKRIEN, Ph.D.<sup>2</sup> (Saint Olaf, Washington), 1980-  
*Assistant Professor of Mathematics*
- DONALD BRIDGHAM SMALL, Ph.D. (Middlebury, Kansas, Connecticut), 1968-  
*Associate Professor of Mathematics*
- EARL HAROLD SMITH, B.A. (Maine), 1962-  
*Associate Professor; Dean of the College*
- WAYNE LEE SMITH, Ph.D. (Hartwick, Pennsylvania State), 1967-  
*Professor of Chemistry*
- CHUNG So, M.A. (International Christian University [Tokyo], Princeton), 1978-  
*Assistant Professor of Modern Languages (Chinese and Japanese)*
- DEBORAH ANNE SOIFER, Ph.D. (George Washington, Chicago), 1979-81,  
September-December 1984<sup>7</sup>  
*Lecturer in Asian Religion*
- EDWIN EUGENE SPEARS, JR., Ph.D. (North Carolina, Florida), 1984-  
*Assistant Professor of Biology*
- LEANNE F. STAR, M.A.<sup>7</sup> (University of California at Berkeley, Chicago), 1978-80,  
1981-82, 1984-  
*Lecturer in English*
- JOHN HALE SUTHERLAND, Ph.D. (Swarthmore, Pennsylvania), 1951-  
*Professor of English; Editor of Colby Library Quarterly*
- JOHN ROBERT SWENEY, Ph.D. (Colorado College, Claremont, Wisconsin), 1967-  
*Professor of English*
- ANTHONY CHARLES TANNER, Ph.D. (Washington, Brandeis), 1983-84  
*Assistant Professor of Chemistry*
- LINDA TATELBAUM, Ph.D.<sup>7</sup> (Cornell), 1982-  
*Lecturer in English*
- MARCIA TARDITO, M.A. (Universidad de Chili [Santiago], Washington), 1984-  
*Instructor in Modern Languages (Spanish)*



ALAN SHAW TAYLOR, B.A. (Colby), 1984-  
*Instructor in History*

THOMAS HARRY TIETENBERG, Ph.D.<sup>1</sup> (U.S.A.F. Academy, University of the East in the Philippines, Wisconsin), 1977-  
*Professor of Economics*

BRUCE TERRILL VERMEULEN, M.A. (Harvard, California at Berkeley), 1983-  
*Instructor in Economics*

WILLIAM JAMES WALLACE, B.M. (Oberlin), January 1984-  
*Lecturer in Music*

ROBERT STEPHEN WEISBROT, Ph.D.<sup>3</sup> (Brandeis, Harvard), 1980-  
*Assistant Professor of History; Director of Washington Program, Semester II, 1984-85*

DACE WEISS, M.A.<sup>7</sup> (Toronto), 1981-  
*Lecturer in Modern Languages (French)*

JONATHAN MARK WEISS, Ph.D. (Columbia, Yale), 1972-  
*Associate Professor of Modern Languages (French)*

GUENTER WEISSBERG, J.D., Ph.D. (New York University, Columbia Law, Columbia), 1965-  
*Professor of Government; Director of Washington Program, Semester II, 1983-84*

GINA S. WERFEL, M.F.A.<sup>1, 10</sup> (Kirkland, Columbia), 1980-  
*Assistant Professor of Art*

JAMES BENJAMIN WESCOTT, M.S. (Plymouth State, Indiana), 1978-  
*Adjunct Assistant Professor of Physical Education*

PETER WESTERVELT, Ph.D.<sup>4</sup> (Harvard), 1961-  
*Professor of Classics*

JOHN DAVID WESTLIE, Ph.D. (New College, Minnesota, Yale), 1981-  
*Assistant Professor of Modern Languages (French)*

RICHARD LATHAM WHITMORE, JR., M.Ed. (Bowdoin, Maine), 1970-  
*Adjunct Associate Professor of Physical Education*

ZINAIDA S. WLODKOWSKY, Ph.D.<sup>7</sup> (Windham, New York University),  
September-December 1981 and 1983  
*Lecturer in Modern Languages (Russian)*

STEPHEN RICHARD WOODY, M.F.A.<sup>3</sup> (California State, Yale), 1976-  
*Adjunct Assistant Professor; Technical Director for Performing Arts*

JANE PARISH YANG, Ph.D. (Grinnel, Iowa, Wisconsin at Madison), 1983-85  
*Ziskind Lecturer in East Asian Studies (Chinese Literature)*

EDWARD HARRY YETERIAN, Ph.D. (Trinity, Connecticut), 1978-  
*Associate Professor of Psychology*

GLENN DORIN ZOHNER, Ph.D. (Brigham Young, Massachusetts), 1963-66, 1969-  
*Associate Professor of Psychology*

<sup>1</sup>On leave full year 1983-84.

<sup>10</sup>On leave full year 1984-85.

\*On leave first semester 1983-84.

\*On leave first semester 1984-85.

\*On leave second semester 1983-84.

\*On leave second semester 1984-85.

\*Part-time.

\*Professors Bernard and Hunter share a joint appointment.

\*Professors Dianne and Ira Sadoff share a joint appointment.

\*Professors Pardee and Werfel share a joint appointment.

<sup>11</sup>On medical leave.

<sup>12</sup>On leave August 1983-June 1984.

## Visiting Tutors in Applied Music

JUDITH CORNELL, B.A. (California at Santa Barbara)

*Voice*

CARL DIMOW

*Guitar*

MARK LEIGHTON, M.A. (New England Conservatory)

*Classical Guitar*

ADRIAN LO, M.M. (Indiana, Smith)

*Violin and Viola; Director of Colby Band*

JEAN ROSENBLUM, B.A. (Oberlin)

*Flute*

DAVID RUDGE, B.M. (Hartt)

*Concertmaster*

WILLIAM WALLACE, B.M. (Oberlin)

*Piano*

## Marshals

YVONNE RICHMOND KNIGHT, M.B.A.

*College Marshal*

ROBERT EDWARD CHRISTIANSEN, Ph.D.

THOMAS WILLIAM EASTON, Ph.D.

DIANE SKOWBO KIERSTEAD, Ph.D.

*Assistant College Marshals*

STANLEY A. NICHOLSON, Ph.D.

*Platform Marshal*

## Assistants

PETER ARNDS, B.A., 1984-

*Assistant, German*

VALENTINA HERNANDEZ CASADO, B.A., 1984-

*Assistant, Spanish*

BETSY CHAMPLIN, M.S., 1971-

*Assistant, Biology*

HUGO FLORES RIVERO, 1983-84

*Assistant, Spanish*

BEATE FRANZEN, M.A., 1983-84

*Assistant, German*

ETHAN GUILLES, B.A., 1982-84

*Assistant, Geology*

MICHIKO KAYAHARA, 1983-84

*Assistant, Japanese*

JEAN McINTYRE, B.A., 1976-

*Assistant, Chemistry*

BRUCE RUEGER, M.S., 1984-

*Assistant, Geology*

MARI SAKAMOTO, 1984-85

*Assistant, Japanese*

LAURO DE LA ROSA SANCHEZ, B.A., 1984-

*Assistant, Spanish*

WILLIAM M. TIERNAN, B.A., 1979-

*Assistant, Physics*

The president of the College, and in his absence the dean of faculty, shall be a member ex officio of all committees of the College. Most of these committees are comprised of faculty, students, and administrators.

### **College Committees**

Administrative

Admissions

Athletics

Bookstore

Computer

Educational Policy

Financial Aid

Financial Priorities

Independent Study Committee

Library

Student Affairs

### **Faculty Committees**

Advisory Committee on Faculty Personnel Policies

Grievance

Hearing Committee for Dismissal Proceedings

Nominating

Promotion and Tenure

Research, Travel, and Sabbatical Leaves

Standing

## Other Committees or Councils

- Advisory Committee on Foreign Student Admissions
- Advisory Committee on Investment Responsibility
- Advisory Committee on the Use of Animal Subjects in Research
- Advisory Committee on the Use of Human Subjects in Research
- Affirmative Action Committee
- Humanities Grants Committee
- Social Sciences Grants Committee
- Natural Sciences Grants Committee
- Health Care Advisory Committee
- Interdisciplinary Studies Council
- Professional Preparation, Medical and Dental

# Administration 1984-85

*President*, WILLIAM R. COTTER, J.D., 1979-

*Administrative Assistant to the President*, CAROL A. WELCH, B.S., 1973-  
*Alumni Secretary*, SIDNEY W. FARR, M.A., M.B.A., 1960-

*Vice President for Academic Affairs and Dean of Faculty*, DOUGLAS N. ARCHIBALD, Ph.D., 1973-

*Administrative Assistant to the Dean of Faculty*, ALICE E. POIRIER, 1966-

*Assistant to the Dean of Faculty*, ELIZABETH KIRALIS, M.L.S., 1966-

*Registrar*, GEORGE L. COLEMAN II, M.A., 1963-

*Director of the Colby Libraries*, SUANNE W. MUEHLNER, M.L.S., M.B.A., 1981-

*Assistant Director for Public Services*, FRANCES M. PARKER, M.S.L.S., 1974-

*Audiovisual Librarian*, SAMUEL L. ATMORE, M.S., 1977-

*Reference Librarian*, RITA P. BOUCHARD, M.A., 1978-

*Reference Librarian*, TONI D. KATZ, M.S., 1983-

*Reference Librarian*, MARILYN R. PUKKILA, M.S.L.S., M.A., 1984-

*Head Cataloguer*, CATHERINE H. COCKS, M.A.L.S., 1980-

*Special Collections Librarian*, J. FRASER COCKS III, Ph.D., 1975-

*Science Librarian*, SUSAN W. COLE, M.S., on leave, 1978-

*Director of the Museum of Art*, HUGH J. GOURLEY III, A.B., 1966-

*Curator/Administrative Assistant*, JANET L. HAWKINS, M.A., 1984-

*Director of Division of Special Programs*, ROBERT H. KANY, Ph.D., 1969-

*Associate Director, Division of Special Programs*, JOAN SANZENBACHER, B.A., 1978-

*Administrative Vice President*, STANLEY A. NICHOLSON, Ph.D., 1981-

*Director of Personnel Services*, NICOLAAS KAAAN, B.B.A., 1978-

*Treasurer*, DOUGLAS E. REINHARDT, M.B.A., 1972-

*Assistant Treasurer/Senior Accountant*, ANNE S. GRANGER, M.B.A., 1981-

*Director of Administrative Services*, KENNETH T. GAGNON, B.A., 1981-

*Bookstore Manager*, JESSICA S. TOMASO, B.A., 1984-

*Assistant Manager*, DIANE GAGNON, 1979-

*Director of Computer Center*, JONATHAN D. ALLEN, B.A., 1978-

*Systems Programmer*, DAVID W. COOLEY, M.Div., 1978-

*Senior Systems Analyst*, JUDITH B. JUDKINS, B.A., 1978-

*Application Programmer*, JOHN R. DONAHUE, B.A., 1982-

*Coordinator of Academic Computing*, RAYMOND B. PHILLIPS, Ph.D., 1984-

*Director of Dining Services*, THEODORE A. MAYER, C.A., 1984-

*Associate Director of Dining Services*, JOHN J. JENKINS

*Food Service Managers:*

*Chaplin Commons*, MATTHEW O'LEARY

*Johnson Commons*, DAWN WILLIAMS

*Lovejoy Commons*, MICHAEL PICARDI

*Mary Low Commons*, LINDA MARIANO

*Associate Vice President for Facilities and Planning*, H. STANLEY PALMER, S.B., 1972-

*Director of Physical Plant*, ALAN D. LEWIS, B.S., 1984-

*Superintendent*, ANSEL A. GRINDALL, 1946-

*Assistant Business Manager*, ARTHUR SAWTELLE, B.S., 1976-

- Foreman, Custodial Services*, J. NORMAN POULIN, 1961-  
*Assistant Foreman, Custodial Services*, LINDA POWELL, 1976-  
*Foreman, Building Maintenance*, LEE SPALDING, 1976-  
*Foreman, Heating and Ventilation*, WILLIAM ALLEY, B.S., 1982-  
*Foreman, Grounds and Moving*, KEITH STOCKFORD, A.A.S., 1982-  
*Manager, Building Construction*, PATRICK MULLEN, 1980-
- Director of Development*, CHARLES P. WILLIAMSON, JR., B.A., 1980-  
*Director of Planned Giving*, DAVID L. ROBERTS, M.S., 1977-  
*Associate Director, Alumni Relations*, SUSAN F. CONANT, B.A., 1981-  
*Associate Director, Annual Giving*, PAMELA M. ALEXANDER, B.A., 1981-  
*Development Assistant*, LYNN GOULD, B.A., 1984-  
*Assistant Campaign Director*, MARY C. ROY, 1968-  
*Assistant Campaign Director*, ERIC F. ROLFSON, M.A., 1982-
- Dean of Admissions and Financial Aid*, ROBERT P. McARTHUR, Ph.D., 1972-  
*Director of Admissions*, ALICE H. LOVE, B.A., 1982-  
*Assistant to the Director of Admissions*, DAWN E. OTTO, B.S., 1984-  
*Assistant Dean of Admissions*, JUDITH L. BRODY, B.A., 1979-  
*Assistant Dean of Admissions*, JEFFREY R. JOHANSEN, B.A., 1982-  
*Assistant Dean of Admissions*, THOMAS W. KOPP, M.A., 1978-  
*Assistant Dean of Admissions*, H. O'NEAL TURNER, M.A., 1981-  
*Assistant Dean of Admissions*, STEVEN H. WASHINGTON, B.A., 1984-  
*Director of Financial Aid*, GARY N. WEAVER, M.A., 1974-  
*Assistant Director of Financial Aid*, SUSAN J. SHEEHAN, B.A., 1983-
- Dean of the College*, EARL H. SMITH, B.A., 1962-  
*Assistant to the Dean*, LYNN M. BUSHNELL, B.S., 1981-  
*Coordinator of Scheduling and Facilities*, BRENDA J. TOULOUSE, B.A., 1980-  
*Chaplains:*  
*Catholic*, FATHER PAUL COTÉ, S.T.B., S.T.L., 1978-  
*Jewish*, RABBI RAYMOND KRINSKI, M.H.L., 1984-  
*Protestant*, RONALD E. MORRELL, 1984-  
*Associate Dean of the College*, SONYA O. ROSE, Ph.D., 1977-  
*Director of Career Services*, JAMES McINTYRE, Ph.D., 1976-  
*Assistant Director of Career Services*, NANCY W. MACKENZIE, M.A., 1982-  
*Alumni Liaison*, LINDA K. COTTER, M.Ed., 1982-  
*Dean of Students*, JANICE A. SEITZINGER, M.A., 1974-  
*Director of Student Activities*, JAMES P. PEACOCK, M.Ed., 1984-  
*Director of Intercultural Activities*, IMELDA BROWNE, 1984-  
*Associate Dean of Students*, JOYCE H. McPHETRES, M.A., 1981-  
*Housing Coordinator*, PAUL E. JOHNSTON, B.A., 1982-  
*Assistant Dean of Students*, MARK R. SERDJENIAN, B.A., 1984-  
*Tutor and Study Counselor*, ELIZABETH TODRANK, M.Ed., 1961-  
*Director of Safety and Security*, PETER S. CHENEVERT, 1980-  
*Director of Public Affairs*, PETER J. KINGSLEY, M.A., 1976-  
*Director of Publications*, RUTH W. BISHOP, B.S., 1984-  
*Production Editor*, NORA L. CAMERON, B.A., 1983-  
*Production Assistant*, MARTHA F. SHATTUCK, B.A., 1973-  
*College Editor*, LANE FISHER, 1982-  
*Director of Health Services*, CARL E. NELSON, M.Ed., 1959-

*Clinical Psychologist, PAUL P. PEREZ, Ph.D., 1960-*

*Psychotherapist, JANET IRGANG, M.S.W., 1980-*

*Health Associate, ANN H. NORSWORTHY, P.A.-C., B.S., 1982-*

*Head Nurse, PRISCILLA SARGENT, R.N., 1969-*

*Assistant Trainer, TIMOTHY J. ADAMS, R.P.T., B.S., 1980-*

*Assistant Trainer, NANCY L. JONES, B.A., 1981-*

# Enrollment by States and Countries

Classified according to geographical locations of students' homes 1983-84

	Men	Women	Total		Men	Women	Total
<b>All Areas</b>	885	819	1,704	Texas	5	3	8
<b>New England</b>	606	592	1,198	Utah	2	1	3
Connecticut	98	89	187	Virgin Islands	0	1	1
Maine	110	105	215	Virginia	7	3	10
Massachusetts	319	300	619	Washington	4	4	8
New Hampshire	31	61	92	West Virginia	0	1	1
Rhode Island	35	27	62	Wisconsin	4	4	8
Vermont	13	10	23	<b>Foreign</b>			
<b>Outside</b>				<b>Countries</b>	31	13	44
<b>New England</b>	248	214	462	Australia	0	1*	1
Alabama	1	0	1	Bermuda	0	1	1
Alaska	1	0	1	Canada	10	4***	14
Arizona	1	1	2	China	2	0	2
Arkansas	0	1	1	Colombia	1*	0	1
California	12	19	31	England	2*	1	3
Colorado	6	4	10	France	3*	2	5
Delaware	3	0	3	Ghana	3	1	4
District of Columbia	3	3	6	Guatemala	1*	0	1
Florida	7	5	12	Hong Kong	2*	1*	3
Georgia	2	3	5	Iceland	0	1	1
Idaho	1	1	2	Japan	2	0	2
Illinois	10	13	23	Maiaysia	1	0	1
Indiana	0	3	3	South Africa	2	0	2
Kentucky	1	0	1	Sweden	1	0	1
Louisiana	1	0	1	Turkey	1	0	1
Maryland	12	13	25	West Germany	0	1*	1
Michigan	11	6	17				
Minnesota	2	3	5				
Missouri	2	1	3				
Nevada	1	0	1				
New Jersey	37	25	62				
New York	59	64	123				
Ohio	10	8	18				
Oregon	2	1	3				
Pennsylvania	36	23	59				
Puerto Rico	2	0	2				
South Carolina	2	0	2				
Tennessee	1	0	1				

Each \* denotes one American citizen.



# Degrees and Honors

The degree of Bachelor of Arts with honors is awarded in three grades: *summa cum laude* to those who obtain 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.

A second category of honors, entitled *distinction in the major*, is awarded to a student on the specific recommendation of the department. To be eligible, the student must have at least an average of 3.25 in the major. The department recommends *distinction in the major* only for those very few students who, in the opinion of the department, merit special recognition.

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.

Each spring, the College recognizes student achievement with the announcement of various honors and awards. Among those recognized are: members of Phi Beta Kappa; Senior Scholars for the ensuing year; and recipients of Phi Beta Kappa certificates, awarded to members of the three lower classes for distinction in scholarship.

Academic excellence is also 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 academic records of the preceding year. Dana Scholars are selected on the basis of a strong academic performance and potential leadership.

The Dean's List, recognizing high academic standing, and announced at the conclusion of each semester, includes the name of every student whose average of all marks in the previous semester has been at least 3.2 for upperclassmen (3.0 for freshmen) in a minimum of 12 credits, exclusive of pass/fail credits. A student with any mark of incomplete is not eligible for Dean's List.

## Degrees Awarded at Commencement Sunday, May 20, 1984

### Bachelor of Arts

Steven Lewis Achber, <i>Laconia, N.H.</i>	Paul Christopher Baker, <i>Norwell, Mass.</i>
Hall Adams III, <i>Winnetka, Ill.</i>	Thomas James Baker, <i>Waterville, Me.</i>
Susan Hamano Ahern, <i>Natick, Mass.</i>	David Joseph Ballou, <i>Wilmington, Mass.</i>
Peter Spiros Alexis, <i>Lowell, Mass.</i>	Steven William Barbour, <i>Catonsville, Md.</i>
Craig Anthony Alie, <i>Dover, N.H.</i>	Joseph Walter Barringer, <i>Lexington, Mass.</i>
Catherine C. Altrocchi, <i>Atherton, Calif.</i>	Margrit K. Bass, <i>Webster, N.Y.</i>
Marie Carol Ammerman, <i>Somers, Conn.</i>	Stephen Biddle Bates, <i>Weston, Mass.</i>
Elizabeth Atalanta Arlen, <i>New York, N.Y.</i>	John Gregory Batherson, <i>Rumford, Me.</i>
Anna Thordis Arnadottir, <i>Akureyri, Iceland</i>	Sheryl Anne Battit, <i>Belmont, Mass.</i>
Paul H. Arthur II, <i>Darien, Conn.</i>	Scott Iver Benson, <i>Cheshire, Conn.</i>
David Maselli Augeri, <i>Middletown, Conn.</i>	Robert Francis Bernardo, <i>Barrington, R.I.</i>
John Brown Ayer, <i>Cohasset, Mass.</i>	Maureen Betro, <i>East Walpole, Mass.</i>
Donald Lee Baker, Jr., <i>Williston, Vt.</i>	Thomas K. Birol, <i>Dobbs Ferry, N.Y.</i>
	Catherine Gail Bischoff, <i>Bowie, Md.</i>
	Nathaniel Ballantine Bisson, <i>Chico, Calif.</i>

- Jeffery Matthew Bistrong, *Topsfield, Mass.*  
 Charles Dunstan Boddy, Jr., *Lawrence, Mass.*  
 Morgan Douglas Borer, *San Antonio, Tx.*  
 Carolyn Lisa Boynton, *Melrose, Mass.*  
 Ann Christine Brachman, *Milwaukee, Wis.*  
 Ericsson Bushnell Broadbent III, *Hamden, Conn.*  
 Robert Franklin Brooks, Jr., *Westwood, Mass.*  
 David Gordon Brown, *Paoli, Penn.*  
 Michael David Brown, *Waterville, Me.*  
 Michael Richard Brown, *Norwood, Mass.*  
 Denise Marthe Brunelle, *Manchester, N.H.*  
 Leon C. Buck, *Philadelphia, Penn.*  
 Robert William Bullock, *Cape Elizabeth, Me.*  
 Brewster J. Burns, *Waterford, Me.*  
 Warren Herbert Burroughs, Jr., *Waban, Mass.*  
 Peter Charles Burton, *Stratford, Conn.*  
 Virginia Ann Bushell, *Topsfield, Mass.*  
 Raphaëlle Camille, *Queens, N.Y.*  
 John Philip Campbell, *Marblehead, Mass.*  
 Frederick L. Canby, *Potomac, Md.*  
 Amy Elizabeth Carlson, *Bedford, N.H.*  
 Melissa Anastasia Carperos, *Atlanta, Ga.*  
 Beth Anne Carter, *Gorham, Me.*  
 Medge Linwood Carter, *Lexington, Mass.*  
 David Arthur Casey, *Schenectady, N.Y.*  
 Francesca Stuart Casoli, *Cedar Grove, N.J.*  
 Maura Ann Cassidy, *Wyndmoor, Penn.*  
 James Richard Cataldo, *Burlington, Mass.*  
 Sarah Chapin, *Westwood, Mass.*  
 Susan Marie Chase, *West Simsbury, Conn.*  
 Christine Anne Cheney, *Manchester, Conn.*  
 Andrew Roesser Christy, *Philadelphia, Penn.*  
 Mark Currie Clafin, *Lynnfield, Mass.*  
 Rebecca Anne Clay, *Bethesda, Md.*  
 Jennifer Marie Cleary, *Needham, Mass.*  
 Jeffrey David Clements, *Stamford, Conn.*  
 Thomas Vincent Clune, *Don Mills, Ontario*  
 George John Cocores, Jr., *Middletown, Conn.*  
 Mary Elizabeth Colbath, *Dunbarton, N.H.*  
 Andrea Shippen Colby, *Guilford, Conn.*  
 Ira Gordon Colby IV, *Guilford, Conn.*  
 Catherine Louise Coleman, *Barrington, R.I.*  
 William Michael Collins, *Boston, Mass.*  
 Juan Rafael Colón-Collazo, *Río Piedras, Puerto Rico*  
 Catherine E. Coniff, *Wayzata, Minn.*  
 Colin Urs Cook, *Hooksett, N.H.*  
 Dana Mark Coombs, *Stoneham, Mass.*  
 Mark Thomas Coté, *Winchester, Mass.*  
 Eric Paul Coumou, *Acton, Mass.*  
 Neal Charles Cousins, *Duxbury, Mass.*  
 Michael Andrew Coval, *Sunapee, N.H.*  
 Maureen Ann Crehan, *Dedham, Mass.*  
 Barry Francis Cronin, *Magnolia, Mass.*  
 Kaye A. Cross, *South Portland, Me.*  
 Victoria Leigh Crouchley, *Cranston, R.I.*  
 Timothy Joseph Crowley, *Weston, Mass.*  
 Rebecca Cunningham, *Needham, Mass.*  
 Alicia Jane Curtin, *Cranston, R.I.*  
 William Robert Cusick, Jr., *Waltham, Mass.*  
 Katherine Mary Cutler, *Fairfield, Conn.*  
 Stephen Paul D'Andrea, *Raynham, Mass.*  
 Robert Jan Davis, *Hanover, Mass.*  
 Michael Scott Day, *Randolph, N.J.*  
 Nancy Elizabeth Dearstyne, *Albany, N.Y.*  
 Carole Marie Delaney, *Bedford, Mass.*  
 Thomas Elliot Delea, *Brockton, Mass.*  
 Paul King Deranian, *Gilford, N.H.*  
 Jennifer C. Dorr, *Marshfield, Mass.*  
 Andrew Daniel Dubino, Jr., *Conway, Mass.*  
 Barbara A. Duncan, *Andover, Mass.*  
 Enoch Edusei, *Kumasi, Ghana*  
 Nathan Putnam Emerson, *Danvers, Mass.*  
 Kenneth Lee Epstein, *Oradell, N.J.*  
 Richard John Erb, *Lynnfield, Mass.*  
 Peter Kent Ewing, *Walnut Creek, Calif.*  
 Melanie Ann Fahim, *Grosse Pointe, Mich.*  
 Robert Barron Fast, *Newton, Mass.*  
 Drew Thomas Fitch, *Jamestown, R.I.*  
 Kimberly Ann Fitch, *Scarsdale, N.Y.*  
 James Glenn Flanders, *Windsor Locks, Conn.*  
 Shannon Bridget Flynn, *Rockport, Mass.*  
 Daire Lee Fontaine, *Hull, Mass.*  
 Francienne Yvette Forte, *Brooklyn, N.Y.*  
 Rosemarie A. Francis, *Hyde Park, Mass.*  
 Bruce George Gabel, *Philadelphia, Penn.*  
 John Robert Gagné, *Middlebury, Conn.*  
 Deirdre Frances Gallagher, *Belmont, Mass.*  
 Donna Marie Galluzzo, *Ossining, N.Y.*  
 Stephen T. Garrity, *Needham, Mass.*  
 Marc Alan Garson, *Halifax, Nova Scotia*  
 James Richard Gaudette, *Coventry, R.I.*  
 Stephen Paul Gaynor, *Revere, Mass.*  
 Gretchen Marie Gehrke, *Litchfield, Conn.*  
 Cynthia Ellen Gemmell, *Old Saybrook, Conn.*  
 George Michael Gignac III, *Lynnfield, Mass.*  
 Nils Anton Gjestebj, *Cohasset, Mass.*

- Anna Christine Gledhill, *Saranac Lake, N.Y.*  
 Robert Thomas Graham, *Wenham, Mass.*  
 Thomas Rolf Gratzner, *Cold Spring Harbor, N.Y.*  
 Dianne Louise Grundstrom, *Hingham, Mass.*  
 Jessica Kip Gwynne, *Penacook, N.H.*  
 Maureen Ellen Hagerty, *Pembroke, Mass.*  
 Susan Young Hahn, *New Haven, Conn.*  
 Margaret Lynn Hale, *West Hartford, Conn.*  
 Louis Paul Halle, *Bedford, N.H.*  
 Todd William Halloran, *Woodbridge, Conn.*  
 Frank Scoullar Hamblett, *Nashua, N.H.*  
 Dana Carlton Hanley, *Paris Hill, Me.*  
 Lance Christian Hanson, *Littleton, Colo.*  
 Esther Binney Hare, *Cambridge, Mass.*  
 Mark David Harmon, *Portland, Conn.*  
 Cynthia Mae Harris, *Bellevue, Wash.*  
 Joyce C. Hartwig, *Poughkeepsie, N.Y.*  
 Nancy Jane Hauck, *Holland, Vt.*  
 Bernd Eugen Hefeke, *Lake Hopatcong, N.J.*  
 Amanda Condon Hegarty, *Greenwich, Conn.*  
 Nancy L. Heselton, *Gardiner, Me.*  
 Brian Robert Hesse, *Centerville, Mass.*  
 Carol Jean Hildebrand, *West Boxford, Mass.*  
 David Evans Hill, *Baltimore, Md.*  
 Leda Louise Hill, *Brooklyn, N.Y.*  
 Sara Elizabeth Hill, *Fryeburg, Me.*  
 Pamela Jean Hiscock, *Hingham, Mass.*  
 Cecil Christian Holstein, *Kobe, Japan*  
 Timothy Douglas Holt, *Calgary, Alberta*  
 Cynthia Jean Hurlburt, *Orange, Conn.*  
 Gail Preble Hutchinson, *Cape Elizabeth, Me.*  
 Christopher Charles Hyun, *Washington, D.C.*  
 Peter Church Ingraham, *Manchester, Me.*  
 Arthur Scott Jackson, *Newton, Mass.*  
 Laurie Susan Jacobs, *Wanamassa, N.J.*  
 Edward Reiber Jenkins, *Pittsburgh, Penn.*  
 Jeffrey B. Johnson, *Cornville, Me.*  
 Page Ellis Johnson, *Westborough, Mass.*  
 James Lee Johnston, Jr., *Hudson, Ohio*  
 Catherine Thomas Jones, *Hamilton, Mass.*  
 Scott Davis Jones, *Bethlehem, Penn.*  
 Sarah Jane Jordan, *Castine, Me.*  
 Marie G. Joyce, *Westbrook, Me.*  
 Helen Roberta Kacoyanis, *Rye, N.H.*  
 Sonia Kaloosdian, *Belmont, Mass.*  
 Denise Helen Kay, *Dover, N.H.*  
 Sharon McKenna Kehoe, *Natick, Mass.*  
 Jane Ellen Kendall, *Belmont, Mass.*  
 Gregory Lee Kenyon, *Medfield, Mass.*  
 Elizabeth Ann Keuffel, *Lawrenceville, N.J.*  
 Fletcher Ellis Kittredge, *Arundel, Me.*  
 Richard Michael Kliman, *West Simsbury, Conn.*  
 Laura Anne Knudson, *Scarsdale, N.Y.*  
 Lisa Marie Kuzia, *Manchester, N.H.*  
 Monique Karin Lapointe, *Barkhamsted, Conn.*  
 Allison Margaret Lary, *Woodbury, Conn.*  
 Elaine Tracy Lavelle, *Wethersfield, Conn.*  
 Jonathan Herrick Leach, *Blue Hill, Me.*  
 Ann Elizabeth Leary, *Dedham, Mass.*  
 Julie Lorraine Leavitt, *Cumberland Center, Me.*  
 Sally Osgood Lee, *Beverly Farms, Mass.*  
 Marian Julie Leerburger, *Scarsdale, N.Y.*  
 Shelley Jeanne Lent, *Fairport, N.Y.*  
 Dawn Alison Lepanto, *Glen Rock, N.J.*  
 Valerie Hempstead Lewis, *West Hartford, Conn.*  
 Juanita Lieberman, *New York, N.Y.*  
 Paige Suzanne Lilly, *Woolwich, Me.*  
 Steven Mark Litchfield, *Brockton, Mass.*  
 Pamela Jean Littlefield, *Raynham, Mass.*  
 Bradley Arnold Livermore, *Ann Arbor, Mich.*  
 William Wadsworth Lloyd, *Haverford, Penn.*  
 Jill Elizabeth Lord, *Bucksport, Me.*  
 Keng Min Low, *Kuala Lumpur, Malaysia*  
 Bradley Adam Lucas, *Lexington, Mass.*  
 Sarah Jeanne Ludwig, *Lunenburg, Mass.*  
 Alice Seney Lumpkin, *Glyndon, Md.*  
 Sarah Jane Lund, *St. Louis, Mo.*  
 Lia Louisa Lundgren, *Aberdeen, Wash.*  
 Lynn Taylor MacLean, *Houston, Tx.*  
 Michael Bartlett Mahaffie, *Bethesda, Md.*  
 Wendy Sue Male, *Lunenburg, Mass.*  
 Karen Elizabeth Malkus, *Lexington, Mass.*  
 Karen Ann Marquardt, *Lake Forest, Ill.*  
 Carole Mae Marsh, *South Windsor, Conn.*  
 James Anthony Martineau II, *Minneapolis, Minn.*  
 Gregory Sam Matses, *Methuen, Mass.*  
 Amy Gale Mazur, *Chicago, Ill.*  
 Karin Louise McCarthy, *Lexington, Mass.*  
 Patricia Mary McCarthy, *Reading, Mass.*  
 Edward John McCartin, *Bricktown, N.J.*  
 Timothy Michael McCrystal, *East Providence, R.I.*  
 Mary Louise McCulloch, *Warwick, R.I.*  
 Thomas Michael McDermott, *Montclair, N.J.*

- Kathleen Ann McLaughlin, *Warwick, R.I.*  
 Robert Francis McLaughlin, Jr., *Woburn, Mass.*  
 Donald Bruce McLeod, Jr., *Weymouth, Mass.*  
 Donald Owen McMillan, *Wenham, Mass.*  
 Susan Leslie McNiven, *Hillsborough, Calif.*  
 Michael Ervin Megna, *Auburn, Me.*  
 Karen Melino, *Framingham, Mass.*  
 Peter José Mendes, *Pawtucket, R.I.*  
 Stephen Joseph Michaud, *Goffstown, N.H.*  
 Andrew David Miller, *Pittsburgh, Penn.*  
 Valerie Jean Miller, *Bronx, N.Y.*  
 Thadeus Joseph Mocarski, *Easton, Conn.*  
 Lauren Anne Mogensen, *Glenview, Ill.*  
 Steven Paul Montebello, *Springfield, Mass.*  
 David Scott Moody, *Croton-on-Hudson, N.Y.*  
 Charles Francis Morgan, *New York, N.Y.*  
 Kevin Francis Morin, *Wilton, Conn.*  
 Peter John Morin, *Worcester, Mass.*  
 Scott Allen Morrill, *Windsor, Me.*  
 George Stebbins Moses II, *Weston, Mass.*  
 Cynthia Mulberry Mulliken, *Winnetka, Ill.*  
 Frances Anne Mullin, *Clifton Park, N.Y.*  
 Kathy Lou Musser, *Wellesley Hills, Mass.*  
 John Wallace Mutterperl, *Wenham, Mass.*  
 Dennis Henry Alfred Myshrall, *Winterville, Me.*  
 Donna Elizabeth Najarian, *Salem, N.H.*  
 Elias John Nawfel, *Waterville, Me.*  
 Peter Charles Necheles, *Newton, Mass.*  
 Lorna Margaret Neligan, *Ridgefield, Conn.*  
 Elizabeth Crosier Newell, *West Hyannisport, Mass.*  
 Peter Warren Newman, *West Hartford, Conn.*  
 Bruce Stuart Nicholson, *Fairfield, Me.*  
 Kathryn Adams Nickerson, *Medfield, Mass.*  
 Heather Diana Nicol, *New Canaan, Conn.*  
 Lawrence Buchanan Niemann, Jr., *Pittsburgh, Penn.*  
 Jeffrey Stewart Nolan, *Philadelphia, Penn.*  
 Jeffrey Scott Nottonson, *Newton, Mass.*  
 Suzanne Elaine Olson, *Southborough, Mass.*  
 William Walter O'Neil, *Winchester, Mass.*  
 Glenn Paul Orloff, *Waterville, Me.*  
 Oliver Wolcott Outerbridge, *Rockport, Me.*  
 Michael Lawrence Page, *Vineyard Haven, Mass.*  
 Joseph Michael Pallis, *Tolland, Conn.*  
 Susan Hill Palmer, *New Canaan, Conn.*  
 Todd Jason Palmer, *Dedham, Mass.*  
 Albert Arthur Paré III, *York Beach, Me.*  
 Claire Linda Pattee, *Henniker, N.H.*  
 Lisa Knowlton Patten, *Stamford, Conn.*  
 Richard Daniel Patten, *Norwell, Mass.*  
 Michelle Elizabeth Paules, *York, Penn.*  
 Deborah Lee Pazary, *East Hartford, Conn.*  
 Janet Beatrice Peabody, *Rowley, Mass.*  
 Parris Sebastian Pelletier, *Danvers, Mass.*  
 Jeffrey V. Perkins, *Peabody, Mass.*  
 Leslie Elizabeth Perkins, *Old Lyme, Conn.*  
 Diane Janet Perlowski, *Andover, Mass.*  
 James Andrew Pfirmann, *Newtown Square, Penn.*  
 Maureen Pine, *Durham, N.H.*  
 Erick Jurgen Piper, *Nashua, N.H.*  
 James J. Pollard, Jr., *Marblehead, Mass.*  
 Ann Elizabeth Poolos, *Greenville, Penn.*  
 Stephen Gregory Potter, *New York, N.Y.*  
 Brian Anthony Preney, *Bath, Me.*  
 Jeffrey Walker Rae, *Southport, Conn.*  
 Richard Reade Rangoon, *West Simsbury, Conn.*  
 Harry Scott Raphael, *Newton, Mass.*  
 Carl Mark Raymond, *Alfred, Me.*  
 Brendan Paul Reese, *Winthrop, Mass.*  
 Thomas Joseph Reilly, Jr., *Wayland, Mass.*  
 Deborah L. Reinke, *Baltimore, Md.*  
 Stephen John Repka II, *Northborough, Mass.*  
 Melissa Joann Rihm, *Huntingdon Valley, Penn.*  
 Letty Crane Roberts, *Amherst, N.H.*  
 Tanya Nadine Roberts, *Duxbury, Mass.*  
 Veda Rose Robinson, *South Bend, Ind.*  
 David Daniel Rocco, *Revere, Mass.*  
 Sarah Jean Rogers, *Newport, R.I.*  
 William Allen Rogers III, *Dayton, Ohio*  
 Elizabeth M. Rose, *South Harpswell, Me.*  
 David Scott Rosenberg, *Marblehead, Mass.*  
 Mia Rachel Rosner, *Lexington, Mass.*  
 Amy Clark Russell, *Grosse Pointe, Mich.*  
 Maxwell Philip Ruston, Jr., *Santa Barbara, Calif.*  
 Laurie Ann Rutherford, *Montreal, Québec*  
 Michael S. Ryan, *New York, N.Y.*  
 Sheila E. Ryan, *Walpole, Mass.*  
 Elizabeth Antoinette Sabino, *Wallingford, Conn.*  
 Peter James Saccocia, *Bridgewater, Mass.*  
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 Deborah Parker Sleeman, *South Dartmouth, Mass.*  
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 Russell Armand Smith, *Farmington, Conn.*  
 Tracy Louise Smith, *North Palm Beach, Fla.*  
 Steven Micah Smolnik, *Simsbury, Conn.*  
 Cheryl Lynn Snyder, *Midland, Mich.*  
 Ian Matt Snyder, *Bala Cynwyd, Penn.*  
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 Tracy Ann Sotir, *West Newton, Mass.*  
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 Scott Christopher Springer, *Bar Harbor, Me.*  
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 Samuel Reisz Staley, *Spring Valley, Ohio*  
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 Sharon Margaret Stella, *Palos Heights, Ill.*  
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 Elizabeth Jayne Stillings, *Kinnelon, N.J.*  
 Leon Ronald St. Laurent, *Clifton, N.J.*  
 Lori Gene Sturgeon, *Kensington, Conn.*  
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 Jeffrey John Symonds, *Malden, Mass.*  
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 Douglas Charles Terp, *Shelburne, Vt.*  
 Paula Louise Thomson, *Framingham, Mass.*  
 Sandra Lee Thornton, *Manchester, Conn.*  
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 Thalia Catherine Tringo, *Woodbridge, Va.*  
 J. Gregory Tulloch, *Cumberland Center, Me.*  
 Edgar Marion Twilley, *Dover, Delaware*  
 Thomas Seymour Underwood, *Needham, Mass.*  
 Richard Paul Valeri, *Everett, Mass.*  
 Joseph Richard Valle, Jr., *Swampscott, Mass.*  
 Joy Marie Valvano, *Canandaigua, N.Y.*  
 Eric William van Gestel, *Marblehead, Mass.*  
 Nancy Jane Vigeant, *Foxborough, Mass.*  
 Cynthia Ann Villarreal, *Limestone, Me.*  
 Kaiya Ingrida Vittands, *Durham, N.H.*  
 Jeffrey Weil Vogt, *Carmel, Calif.*  
 John Wagner, *Philadelphia, Penn.*  
 Edward David Wallace, *Chicago, Ill.*  
 Kirsten Fogh Wallace, *Monmouth, Me.*  
 Catherine Walsh, *Milton, Mass.*  
 Gregory Francis Walsh, *Newton, Mass.*  
 Thomas Joseph Walsh, *Andover, Mass.*  
 Jennifer Ann Ward, *Lake Forest, Ill.*  
 Caroline Waters, *Warwick, R.I.*  
 Dieter Derek Weber, *Bar Harbor, Me.*  
 Tracy L. Weiner, *Akron, Ohio*  
 Joanne Susan Werther, *Waban, Mass.*  
 Mary Kathleen Whalen, *McLean, Va.*  
 Elizabeth Ellen Wheatley, *Wellesley, Mass.*  
 Mary Euphrasia White, *Westwood, Mass.*  
 Ogden White III, *Brookline, Mass.*  
 Jeffrey William Wickman, *Gardner, Mass.*  
 William Wiese III, *Shelburne, Vt.*  
 Katherine Ann Wilbur, *Hampton, N.H.*  
 Katherine Wakefield Williams, *Weston, Mass.*  
 David Randall Wilmot, *Chatham, Mass.*  
 Keith P. Wilson, *Sturbridge, Mass.*  
 Charles Ripley Allen Wilton, *Seattle, Wash.*  
 Sandra VanDerbeek Winship, *Darien, Conn.*  
 Peter Harold Witham, *Framingham, Mass.*  
 Kurt David Wolff, *Worthington, Ohio*  
 Michelle Ann Wolpert, *Weston, Mass.*  
 Seth Isaac Wolpert, *Wilmette, Ill.*  
 Virginia Converse Wood, *Sherborn, Mass.*  
 Sarah DeWolf Woodhouse, *Little Compton, R.I.*  
 Lisa Joy Wormwood, *Waterville, Me.*  
 Glen Richard Wright, *Natick, Mass.*  
 Sami Lewis Yassa, *Sherborn, Mass.*  
 Bruce Ronald Zohn, *Brookline, Mass.*

As of the Class of 1983

John M. Taylor, *Deephaven, Minn.*

*As of the Class of 1982*

W. Thomas Stall II, *Boston, Mass.*

*As of the Class of 1981*

Beryl Leach, *Waterville, Me.*

*As of the Class of 1975*

Hubert James Merrick, *Jamaica Plains, Mass.*

*As of the Class of 1971*

William Josselyn Lawless III, *Sullivan, Me.*

*As of the Class of 1963*

Pauline Ryder Kezer, *Plainville, Conn.*

*Master of Science in Teaching  
as of the Class of 1973*

Andrew Johnson Hayward, *Winthrop, Me.*

*Degrees Granted in October  
as of the Class of 1983*

Ruth Louise Blecharczyk, *East Providence,  
R.I.*

Teik Auk Chan, *Penang, Malaysia*

Edward Alan Davies, *Roseville, Minn.*

Nicholas Roy Nunez, *Providence, R.I.*

John Stephen Perlowski, Jr., *Andover, Mass.*

Grace Anne Reef, *Portland, Me.*

## Honorary Degree Recipients

Bailey Aldrich

*Doctor of Laws*

Michael John Arlen

*Doctor of Letters*

Arnold Bernhard

*Doctor of Humane Letters*

William Montague Cobb

*Doctor of Science*

Alex Katz

*Doctor of Fine Arts*

B. F. Skinner

*Doctor of Science*

# Honors

## Senior Marshal

Kirsten Fogh Wallace

## Bachelor's Degree with Honors

*Summa Cum Laude*

John Brown Ayer

David Gordon Brown

Robert William Bullock

Amy Elizabeth Carlson

Juanita Lieberman

Elizabeth Antoinette Sabino

Peter James Saccocia

Kirsten Fogh Wallace

*Magna Cum Laude*

Marie Carol Ammerman

Charles Dunstan Boddy, Jr.

Christine Anne Cheney

Kaye A. Cross

Deirdre Frances Gallagher

Sarah Jane Jordan

Wendy Sue Male

Michelle Elizabeth Paules

David Allen Scales

John Edward Tawa, Jr.

Keith P. Wilson

Sandra VanDerbeek Winship

*Cum Laude*

Hall Adams III

Anna Thordis Arnadottir

Sheryl Anne Battit

Scott Iver Benson

Thomas K. Birol

Carolyn Lisa Boynton

Ann Christine Brachman

Ericsson Bushnell Broadbent III

Robert Franklin Brooks, Jr.

Virginia Ann Bushell

Melissa Anastasia Carperos

Teik Auk Chan (1983)

Sarah Chapin

Rebecca Anne Clay

Michael Andrew Coval

Robert Jan Davis

Carole Marie Delaney

Kenneth Lee Epstein  
 Peter Kent Ewing  
 James Richard Gaudette  
 Cynthia Ellen Gemzell  
 Thomas Rolf Gratzner  
 Dianne Louise Grundstrom  
 Todd William Halloran  
 Lance Christian Hanson  
 Mark David Harmon  
 Nancy Jane Hauck  
 Cynthia Jean Hurlburt  
 Arthur Scott Jackson  
 Monique Karin Lapointe  
 Bradley Arnold Livermore  
 Jill Elizabeth Lord  
 Keng Min Low  
 Bradley Adam Lucas  
 Sarah Jeanne Ludwig  
 Patricia Mary McCarthy  
 Stephen Joseph Michaud  
 Susan Hill Palmer  
 Lisa Knowlton Patten  
 Richard Daniel Patten  
 Leslie Elizabeth Perkins  
 Stephen Gregory Potter  
 Brendan Paul Reese  
 Deborah L. Reinke  
 Laurie Ann Rutherford  
 Sheila E. Ryan  
 Barbara Jean Schwendtner  
 Kathleen M. Shaw  
 Nancy Lee Silverman  
 Stephen Simcock  
 Youli Sun  
 Karen Lynn Sundberg  
 Douglas Charles Terp  
 Jimmy Walter Traettino  
 Joseph Richard Valle, Jr.  
 Mary Euphrasia White  
 Katherine Ann Wilbur  
 Katherine Wakefield Williams  
 Peter Harold Witham

*Honors in Chemistry*  
 Richard Daniel Patten

*Honors in Government*  
 John Brown Ayer  
 Michael Andrew Coval

*Honors in History*  
 Thomas Rolf Gratzner

## Distinction in the Major

*Administrative Science*  
 Robert Franklin Brooks, Jr.  
 Cecil Christian Holstein  
 Deborah Lee Pazary  
 Sandra VanDerbeek Winship

*Administrative Science-Mathematics*  
 Christine Anne Cheney  
 Kaye A. Cross  
 Michelle Elizabeth Paules

*American Studies*  
 Melissa Anastasia Carperos  
 Catherine Louise Coleman  
 James Glenn Flanders  
 Elizabeth Ann Keuffel  
 David Scott Moody  
 Peter Charles Necheles  
 Kathleen M. Shaw

*Art*  
 Maura Ann Cassidy  
 Rebecca Cunningham  
 Sally Osgood Lee  
 David Randall Wilmot

*Biology*  
 Dianne Louise Grundstrom  
 Stephen Joseph Michaud  
 Leslie Elizabeth Perkins  
 Sheila E. Ryan  
 Elizabeth Antoinette Sabino  
 Deborah Parker Sleeman  
 Peter Harold Witham

*Biology: Environmental Science*  
 David Gordon Brown  
 Sarah Jane Jordan  
 Deborah L. Reinke  
 Barbara Jean Schwendtner

*Chemistry*  
 Richard Daniel Patten

*Chemistry: Biochemistry*  
 Anna Thordis Arnadottir  
 Seth Isaac Wolpert

*Classics*  
 Bruce George Gabel  
 Lance Christian Hanson

*East Asian Studies*  
 Susan Young Hahn

William Walter O'Neil  
Charles Wilson Tenny

*Economics*

Sheryl Anne Battit  
Stephen Paul D'Andrea  
Carole Marie Delaney  
Kenneth Lee Epstein  
Deirdre Frances Gallagher  
Todd William Halloran  
Mark David Harmon  
Jill Elizabeth Lord  
Bradley Adam Lucas  
Brendan Paul Reese  
David Allen Scales  
Julie Lynn Stebbins  
Mary Euphrasia White  
Sandra VanDerbeek Winship

*Economics: Public Policy*

Robert William Bullock  
Warren Herbert Burroughs, Jr.  
Samuel Reisz Staley  
John Edward Tawa, Jr.

*Economics-Mathematics*

Virginia Ann Bushell  
Laurie Ann Rutherford

*English*

Marie Carol Ammerman  
Thomas K. Birol  
Melissa Anastasia Carperos  
Rebecca Anne Clay  
Catherine Louise Coleman  
Cynthia Ellen Gemmill  
Sara Elizabeth Hill  
Gregory Lee Kenyon  
Fletcher Ellis Kittredge  
Mary Louise McCulloch  
Lisa Knowlton Patten  
Stephen Gregory Potter  
Sarah Jean Rogers  
Kathleen M. Shaw  
Deborah Parker Sleeman  
Elizabeth Jayne Stillings  
Kirsten Fogh Wallace  
Katherine Ann Wilbur

*French*

Monique Karin Lapointe  
Juanita Lieberman  
Stephen Simcock

*Geology*

Peter James Saccocia  
Katherine Wakefield Williams

*German*

Thomas Rolf Gratzner  
Nancy Jane Hauck  
Kirsten Fogh Wallace

*Government*

Hall Adams III  
Nathaniel Ballantine Bisson  
Jeffery Matthew Bistrong  
Michael Andrew Coval  
Robert Jan Davis  
Frank Scoullar Hamblett  
Mark David Harmon  
Monique Karin Lapointe  
Amy Gale Mazur  
Patricia Mary McCarthy  
Lauren Anne Mogensen  
Heather Diana Nicol  
Brendan Paul Reese  
Lori Gene Sturgeon  
Douglas Charles Terp

*Government: Public Policy*

John Brown Ayer  
Robert William Bullock  
Warren Herbert Burroughs, Jr.  
Arthur Scott Jackson  
John Edward Tawa, Jr.  
Joseph Richard Valle, Jr.

*History*

Thomas K. Birol  
Jeffrey David Clements  
Thomas Rolf Gratzner  
David Evans Hill  
Thadeus Joseph Mocarski  
Bruce Stuart Nicholson  
Youli Sun  
Thalia Catherine Tringo  
John Wagner  
Catherine Walsh

*Human Development*

Scott Iver Benson  
Cynthia Jean Hurlburt

*Independent: Computer Science*

Dieter Derek Weber



*Independent: Computer Science*

Dieter Derek Weber

*Independent: Performing Arts*

Cynthia Ellen Gemmell

*Independent: Russian Studies*

Glenn Paul Orloff

Jimmy Walter Traettino

Lisa Joy Wormwood

*Mathematics*

Sheryl Anne Battit

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Amy Elizabeth Carlson

Maureen Ann Crehan

Paul King Deranian

Keng Min Low

*Music*

Peter Kent Ewing

Anna Christine Gledhill

Glenn Richard Wright

*Philosophy*

Paul H. Arthur II

Bradley Arnold Livermore

Joanne Susan Werther

*Physics*

Ericsson Bushnell Broadbent III

Keng Min Low

Keith P. Wilson

*Psychology*

Scott Iver Benson

Carolyn Lisa Boynton

Sarah Chapin

James Richard Gaudette

Margaret Lynn Hale

Karen Melino

Todd Jason Palmer

*Religion*

Veda Rose Robinson

Sheila E. Ryan

*Sociology*

Andrea Shippen Colby

Melanie Ann Fahim

Nancy Lee Silverman

Lisa Marie Tourangeau

*Spanish*

Charles Dunstan Boddy, Jr.

Mary Elizabeth Colbath

Mary Euphrasia White

**Phi Beta Kappa***Elected in Junior Year*

David Gordon Brown

Robert William Bullock

Kirsten Fogh Wallace

*Elected in Senior Year*

Marie Carol Ammerman

John Brown Ayer

Scott Iver Benson

Charles Dunstan Boddy, Jr.

Carolyn Lisa Boynton

Amy Elizabeth Carlson

Christine Anne Cheney

Kaye A. Cross

Peter Kent Ewing

Deirdre Frances Gallagher

Thomas Rolf Gratzner

Todd William Halloran

Mark David Harmon

Cynthia Jane Hurlburt

Arthur Scott Jackson

Sarah Jane Jordan

Juanita Lieberman

Jill Elizabeth Lord

Keng Min Low

Sarah Jeanne Ludwig

Wendy Sue Male

Stephen Joseph Michaud

Richard Daniel Patten

Michelle Elizabeth Paules

Brendan Paul Reese

Laurie Ann Rutherford

Elizabeth Antoinette Sabino

Peter James Saccocia

David Allen Scales

Youli Sun

Karen Lynn Sundberg

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Mary Euphrasia White

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Sandra VanDerbeek Winship

Peter Harold Witham

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Amy Elizabeth Carlson, *Bedford, N.H.*  
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 Peter James Saccocia, *Bridgewater, Mass.*  
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 Tracy Leigh Gowen, *Scarborough, Me.*  
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 Eric Michael Hoffenberg, *Lexington, Mass.*  
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 Michael Peter Hill, *Waterville, Me.*  
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 Mary Louise Kopas, *Webster, Mass.*  
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 Lori Alice Moody, *Madbury, N.H.*  
 Ann Woolven Raible, *Toronto, Ontario, Canada*  
 David A. Ring, *Needham, Mass.*  
 Lisa Ann Rydin, *Hingham, Mass.*  
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 Heidi Ann Stonehill, *Pittsford, N.Y.*  
 Joyce Maura Sutton, *Cumberland, Me.*  
 Karen A. True, *Bath, Me.*  
 Sherri Marie Worthen, *Mercer, Me.*

### **Senior Scholars**

Kathleen M. Shaw  
*The National Book Awards  
 and the American Book  
 Awards: The Treatment of  
 Women in Prize-winning  
 American Fiction, 1962-1983*

Keith P. Wilson  
*Experiments in X-ray  
 Crystallography*

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 Leda Louise Hill, *Brooklyn, N.Y.*  
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 Veda Rose Robinson, *South Bend, Ind.*  
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 Lanze Jeffry Thompson, *Hyde Park, Mass.*  
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 Angela Darlene Drennan, *Silver Spring, Md.*  
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 Imogen Pearl Mintzer, *New Hope, Penn.*  
 Todd Vincent Robinson, *Memphis, Tenn.*  
 Oscar Weekes, *Mattapan, Mass.*  
 Charmongene Williams, *Washington, D.C.*

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 John Beverly Carlton, *Birmingham, Ala.*  
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 Leslie Ann Chin, *Brockton, Mass.*  
 Dora de la Rosa, *Harlingen, Tex.*  
 Charmaine Mary Ilacqua, *North Quincy, Mass.*  
 Irene Susan Izquierdo, *Los Angeles, Calif.*  
 Courtney A-M King, *Indianapolis, Ind.*  
 Phoung Kim Lac, *Scarborough, Me.*  
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 Maureen Cyr, *Van Buren*  
 Margaret Ellen Hale, *Lisbon Falls*  
 Jane Adams Hastings, *Skowhegan*  
 Stephen Russell Langlois, *North Windham*  
 Tammy Jo Perkins, *South Portland*  
 Carla Marie Thompson, *Limestone*  
 Victoria Whited, *South Portland*

*Class of 1986*

Lori Cynthia Boyd, *Kennebunkport*  
 Linda Marie Elliott, *Skowhegan*  
 Lila Primrose Hopson, *Stratton*  
 David Albert Mace, *Amherst*  
 Andrew Allen Smith, *Norridgewock*  
 Sherri Marie Worthen, *Norridgewock*  
 Lynn Marie Wunderlich, *Loring AFB*

*Class of 1987*

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 Sara Haticce Bengur, *Southwest Harbor*  
 Willa Lilan Cobb, *Sangerville*  
 Anita Jean Dunton, *Burnham*  
 Scott Hunter, *Caribou*  
 Melissa Ann Jenkins, *Gardiner*  
 Cynthia Anne Matrazzo, *Cape Elizabeth*  
 John William Moore, *Bridgton*  
 Lynn Marie Nadeau, *Madawaska*  
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 Deborah Diane Brooks, *Unionville, Conn.*  
 Pamela Jean Christman, *Sheffield, Mass.*  
 Karen Edith Clark, *Rancho Santa Fe, Calif.*  
 Laurie A. Clark, *Marlborough, Mass.*  
 Kathleen Mary Colbert, *Abington, Mass.*  
 Kimberly Sue Corson, *Barrington, R.I.*  
 Shauna Louise Cully, *Weymouth, Mass.*  
 Eve-Lynne K. Ermer, *Tunbridge, Vt.*  
 Barbara Cail Falcone, *Princeton, N.J.*  
 Nicholas Francis Ferrala, *Revere, Mass.*  
 Pamela Jane Frederick, *Framingham, Mass.*  
 Karen Jo Giammusso, *Andover, Mass.*  
 Michael Edward Gibney, *Lakeville, Mass.*  
 Brian Dennis Griffin, *Norwell, Mass.*  
 Michael A. Heel, *Northeast Harbor, Me.*  
 Michael Peter Hill, *Waterville, Me.*  
 Elizabeth Hurley, *Barrington, R.I.*  
 Karen Elizabeth Kozma, *Old Saybrook, Conn.*

William Michael Kules, *Hopkinton, N.H.*  
 Philip Ray Lapp, *Chester Depot, Vt.*  
 Robert Kent Lavigne, *Spencer, Mass.*  
 Cynthia Carolyn Lloyd, *Westfield, N.J.*  
 David Albert Mace, *Amherst, Me.*  
 Linda Jeannette Michaud, *Fairfield, Me.*  
 Mary Jane Powers, *Osterville, Mass.*  
 Ann Woolven Raible, *Worcester, Mass.*  
 Judith Ann Richards, *Greenville, Me.*  
 Henrietta Adrian Yelle, *Norton, Mass.*

*Class of 1987*

Michael Scott Alexander, *Wappingers Falls, N.Y.*  
 Barbara Jeanne Barch, *Woburn, Mass.*  
 John E. Beaudoin, *Biddeford, Me.*  
 Jill Hathaway Bourns, *Oneida, N.Y.*  
 Scott William Cameron, *Brownfield, Me.*  
 Douglas William Chilson, *Canton, N.Y.*  
 Teresa Ann Clement, *Skowhegan, Me.*  
 Debra Anne Dunn, *Dedham, Mass.*  
 Beth Suzanne Gilroy, *Vernon, Conn.*  
 William Philip Girard, *Westbrook, Me.*  
 Karen Ardith Glahn, *Stockton, Calif.*  
 Rachel Helen Graham, *Paxton, Mass.*  
 Karin Lynnette Judkins, *Waterville, Me.*  
 Elizabeth Edith Knighton, *Chase, British Columbia*

Jean Elise Kroeck, *Reading, Mass.*  
 Arthur Charles Nagle, *Houlton, Me.*  
 Jeffrey Allan Norton, *Medfield, Mass.*  
 Timothy Steven Oakes, *Boise, Idaho*  
 Christopher James Perkins, *Norwood, Mass.*  
 Michael Richard Rollins, *Gloucester, Mass.*  
 Steven Carl Runge, *Springfield, Va.*  
 Stephen John Sanborn, *Amesbury, Mass.*  
 David Lee Sullivan, *Boxford, Mass.*  
 Katherine Ann Wincapaw, *Monhegan, Me.*

### L. L. Bean Scholars

#### *Class of 1986*

Linda Marie Elliott, *Skowhegan, Me.*  
 David Albert Mace, *Amherst, Me.*

#### *Class of 1987*

Robert Laurier Aube, *Lewiston, Me.*  
 William Philip Girard, *Westbrook, Me.*  
 Katherine Ann Wincapaw, *Monhegan, Me.*



# Index

- Absence, 15, 33
- Absence from Exams, 41, 42
- Academic Counseling, 2
- Academic Honesty, 34
- Academic Procedures, 40
- Academic Programs, 35
- Academic Requirements, 29
- Academic Standing, 40
- Accreditation, 2, 5
- ACS Chemistry Major, 63
- Activities, Student, 21
- ACT Tests, 6, 7
- Administration, 180
- Administrative Science, 44
- Administrative Science-Mathematics Major, 45
- Admission, 2, 6
  - Advanced Standing, 7
  - Application Schedule, 6
  - Campus Visits, 6
  - Deposit, 6, 10
  - Early Admission, 7
  - Health Certificate, 7
  - International Students, 8
  - Interviews, 6
  - Nonmatriculated Students, 8
  - Tests, 7
  - Transfer Students, 7
  - Veterans, 7
- Adult Education (See "Nonmatriculated Students" and "Special Programs")
- Advanced Standing, 7
- Adviser, Faculty, 40
- Alcoholic Beverages, Regulations, 15
- All-College (Distribution) Requirements, 29
- American Studies, 47
- Ancient History, 50
- Annual Basic Charges, 10
- Anthropology, 51
- Anthropology Concentration, Sociology Major, 144
- Application Schedule, 6
- Applied Music, 122
- Applied Music Fee, 11
- Arboretum and Bird Sanctuary, 19
- Art, 54
- Art and Music Center, 19, 21, 22
- Art Collections and Exhibitions, 21
- Assistants, Departmental, 177
- Astronomy, 57
- Athletic Facilities, 19
- Athletics, 21
- Attendance, 15
- Attendance Deposits, 10
- Audiovisual Center, 17
- Auditing Courses, 41
- Augmented Credit, 44
- Band, 22
- Bean Scholars, 195
- Behavior, 15
- Bermuda Semester, 88
- Bills, 11
- Biology, 57
- Bixler Scholars, 184, 192
- Black Studies, 62
- Board Fee, 10
- Board of Trustees, 155
- Buildings, Campus, 19
- Bunche Scholars, 193
- Business Administration (See "Administrative Science")
- Business Matters, 2
- Calendar, College, 202, 203
- Calendar of Payments, 10
- Campus, 19
- Campus Life, 21
- Campus Visits, 6
- Career Services, 14
- Changes of Course, 41
- Chapel, 19
- Charges (See "Fees")
- Chemistry, 63
- Chemistry-Biochemistry Major, 63
- Chemistry-Environmental Sciences Major, 63
- Chinese, 66
- Choir, Chapel, 22
- Chorale, Colby, 22
- Class Standing, 40
- Classical Civilization Program, 67
- Classics, 66
- Classics-English Major, 67
- Classics-Philosophy Major, 67
- Colby College History, 24

- Colby Community Music Associates, 22  
 Colby Community Music Series, 22  
*Colby Echo*, 23  
 Colby Host Program, 7  
 Colby in Caen Fee, 11  
 Colby in Caen Program, 36  
 Colby in Salamanca Fee, 11  
 Colby in Salamanca Program, 37  
 Colby Library Associates, 17  
*Colby Library Quarterly*, 17  
*Colby Perspective*, 2  
 College Board Tests, 6, 7, 9, 29  
 Combined Majors, 31  
 Commencement, May 1984, 184  
 Committees:  
   College, 178  
   Faculty, 178  
   Other, 179  
   Overseers, 161  
 Commons Plan, 18  
 Comparative Literature (See "Literature in Translation")  
 Computer Resources, 38  
 Computer Science, 68  
 Concentration of Studies, 35  
 Concerts, 23  
 Conduct (See "Behavior")  
 Conflict of Exams, 42  
 Corporation, College, 155  
 Courses:  
   Auditing, 41  
   Changes of, 41  
   Election of, 40  
   Key to Numbering, 44  
   Withdrawal from, 41  
 Courses of Study, 44  
 Credit Requirements, 29  
 Credits:  
   Augmented, 44  
   By Examination, 7, 33  
   Transferred, 33  
 Cuernavaca Program, 35  
 Cuernavaca Program Fee, 11  
 Damage to or Loss of College Property,  
   Liability for, 11  
 Dana Scholars, 184, 193  
 Dance (See "Performing Arts")  
 Dean's List, 184  
 Degree Conferred, 5, 184  
 Degree Requirements, 29  
 Degrees and Honors, 184  
 Degrees Awarded, May 1984:  
   Bachelor of Arts, 184  
   Honorary, 189  
 Deposits Required, 10  
 Dishonesty, 34  
 Dismissal, 15, 42  
 Distinction in the Major, 184, 190  
 Distribution Requirements, 29  
 Division Requirements, 30  
 Dormitories, 16, 18  
 Dormitory Damage Fines, 11  
 Drama (See "Performing Arts")  
 Drugs, Regulations, 15  
 Early Admission, 7  
 Early Decision, 13  
 Earth Science Option, Geology Major, 88  
 East Asian Studies, 68  
*Echo, Colby*, 23  
 Economics, 69  
 Economics-Mathematics Major, 70  
 Education, 74  
 Educational Television Station (See "WCBB-TV")  
 Election of Courses, 40  
 Emeriti, Faculty, 162  
 Emeriti, Trustees, 157  
 Employment, Student, 2, 13  
 Endowment, 5  
 English, 77  
 English and American Literature Major, 77  
 English Composition and Literature Requirement, 29  
 Enrollment, 5, 183  
 Environmental Science:  
   Chemistry-Environmental Sciences Major, 63  
   Concentration, Biology Major, 58  
   Option, Geology Major, 88  
 Exams, 42, 202, 203  
 Exchange Program Credits, 33  
 Exchange Programs, 33, 35  
 Excused Absences, 15, 42  
 Exemption by Examination, 33  
 Exhibitions, 21  
 Extracurricular Activities, 21  
 Faculty, 5, 162  
 Faculty Adviser, 9, 40  
 Faculty, Emeriti, 162

- Faculty Representatives, 157  
 Family Educational Rights and Privacy Act, 16  
 Fees, Student, 10  
 Field Experience, 32, 38, 83  
 Finances (See "Student Fees")  
 Financial Aid, 2, 13  
 Financial Aid, International Students, 8  
 Financial Aid, Study Abroad, 36  
 Fines, 11  
 Florence Program, 35  
 Florence Program Fee, 11  
 Foreign Language Placement Tests, 7, 9, 29  
 Foreign Language Requirement, 29  
 Foreign Language Semesters Abroad, 35  
 Foreign Languages, 116  
 Foreign Study Credits, 33  
 Foreign Study Programs (See "Foreign Language Semesters Abroad" and "Junior Year Abroad")  
 French, 83  
 Freshman Orientation, 9  
 Freshman Program, 40  
 Friends of Art, 21  
  
 General Fee, 10  
 General Regulations, 15  
 Geographical Distribution of Students, 183  
 Geology, 87  
 Geology-Biology Major, 87  
 Geology-Chemistry Major, 87  
 German, 91  
 Glee Club (see "Chorale")  
 Government, 93  
 Grades (See "Marks")  
 Graduate Schools, Preparation for, 14  
 Graduation Requirements, 29  
 Grants and Loans, 2, 13  
 Greek, 100  
  
 Health and Medical Care, 2, 10  
 Health Certificate for Admission, 7  
 Health Policy, 15  
 History, 101  
 History, Ancient, 50  
 History of Colby College, 24  
 Honors:  
     Bachelor's Degree with Honors, 178, 189  
 Hour Exams, 42  
 Housing, 10, 18  
 Human Development, 108  
  
 Incomplete Work, 41  
 Independent Majors, 31  
 Independent Study, 32  
 Inquiries, 2  
 Intercollegiate Athletics, 21  
 Interdepartmental Majors, 31  
 Interdisciplinary Studies, 35  
 International Students, 8, 30  
 Internships, 14, 32  
 Interviews for Admission, 6  
 Intramural Sports, 21  
 Italian, 108  
  
 January Program, 29, 32, 109  
 January Program Fee, 11  
 Japanese, 109  
 Jobs, Student (See "Employment")  
 Judicial Board, 15  
 Junior Year Abroad, 36  
  
 Language Placement, 7, 9, 29  
 Language Requirement, 29  
 Late Registration, 40  
 Latin, 110  
 Leave of Absence, 43  
 Lectures, 21  
 Legal Studies, 111  
 Library, 5, 17  
 Linguistics, 112  
 Liquor, Regulations, 15  
 Literary Collections, 17  
 Literature in Translation, 112  
 Loan and Payment Plans, 11  
 Loans and Grants, 2, 13  
  
 Major, 30, 31, 32  
 Major, Requirements for (See subject, e.g., "Economics," "Geology," etc.)  
 Majors Offered, 31  
 Marks, 29, 41  
 Marshals, 177, 189  
 Mathematics, 113  
 Mathematics Placement, 9  
 Mayflower Hill Scholars, 194  
 Memberships, 5  
 Miscellaneous Charges, 11  
 Modern Foreign Languages, 116  
 Museum of Art, 19, 21  
 Music, 117  
 Musical Activities, 22



- Nature Preserves, 19  
 Nondiscrimination Policy, 2, 15  
 Nonmatriculated Students, 8
- Off-Campus Assets, 19  
 Off-Campus Programs, 38  
 Officers of the College, 155  
*Oracle*, 23  
 Orchestra, 22  
 Organizations, Student, 22  
 Orientation for Freshmen, 9  
 Overseers of the College, 158  
 Overseers Visiting Committees, 161
- Parent Loan Programs, 11, 13  
 Pass/Fail, 41  
 Payment of Bills and Fees, 10, 11, 40  
 Performing Arts, 22, 122  
 Performing Arts Center, 19  
 Phi Beta Kappa, 184, 192  
 Philosophy, 126  
 Philosophy and Religion Major, 126, 138  
 Philosophy-Mathematics Major, 127  
 Physical Education, 130  
 Physical Education Requirement, 30, 130  
 Physics, 131  
 Placement in Foreign Languages, 7, 9, 29  
 Placement in Mathematics, 9  
 Point Scale in Major, 31  
 Points, Quality, 29  
 Points, Quantity, 29  
 Portuguese, 133  
 Practica, Teaching, 74  
 Praxis Credits, 29  
 Presidential Scholars, 194  
 Presidents of Colby College, 25  
 Probation, 42  
 Professional Schools, Preparation for, 14  
 Psychology, 133  
 Psychology-Mathematics Major, 134  
 Public Affairs, 2  
 Public Policy, 137
- Quality Requirements, 29  
 Quantity Requirements, 29  
 Quizzes, 42
- Radio Colby, 22  
 Reading Period, 42  
 Readmission, 33  
 Records, Student, 2, 16
- Refunds, 11  
 Registration, 40  
 Regulations, General, 15  
 Religion, 138  
 Religious Activities, 23  
 Requirements for Graduation (See "Academic Requirements")  
 Residence Requirements, 29  
 Residential Commons, 16, 18  
 Returning Students, Requirement for, 33  
 Room Fee, 10  
 Room Reservations, 10, 16  
 Runnals Performing Arts Center, 19  
 Russian, 142
- Scholastic Aptitude Test, 7, 8  
 Science Center, 19  
 Selected Topics, 143  
 Semester Exams, 42  
 Senior Marshal, 189  
 Senior Scholars, 35, 184, 193  
 Social Rules, 15  
 Sociology, 143  
 Spanish, 148  
 Special Programs, 2, 150  
 Sports Facilities, 19  
 Standing, Academic, 40  
 Standing, Advanced, 7  
 Statements, 11  
 Student Affairs, 2  
 Student Association, 15, 23  
 Student Exchange, 33, 35  
 Student Fees, 10  
*Student Handbook*, 15  
 Student Organizations, 22  
 Student Records, 2, 16  
 Student Representatives, 157  
 Student Teaching (See "Practica")  
 Student's Program, 40  
 Student's Responsibility in Meeting Requirements, 11, 15, 33  
 Study in Asia Program, 37  
 Study in Canada Program, 38  
 Study in the British Isles Program, 37  
 Study on the Continent of Europe Program, 37  
 Summer Programs (See "Special Programs")  
 Summer School Credits, 33  
 Suspension, 34
- Teacher Certification, 74, 117

- Tests, 7
- Transcripts, 2, 43
- Transfer Student Requirements, 7, 30, 33
- Transferred Credits, 33
- Trustees Emeriti of the College, 157
- Trustees of the College, 155
- Tuition Fee, 10
- Tuition Payment Plans, 11
  
- Vacations, 202, 203
- Veterans, 7
- Visiting Tutors in Applied Music, 177
  
- Warnings, 42
- WCBB-TV, 20
- Withdrawal from College, 11, 43
- Withdrawal from Course, 41
- WMHB-FM, 22
- Women's Studies, 151

# College Calendar 1984-85

## First Semester

Saturday, September 1

Tuesday, September 4

Wednesday, September 5

Monday and Tuesday, October 22, 23

Wednesday, November 21, at the  
conclusion of 12:30 classes to

Monday, November 26, 8:00 a.m.

Friday, December 7

Saturday, December 8

Wednesday, December 12 *through*

Monday, December 17

Tuesday, December 18

Freshman program begins

Registration

First classes

Midsemester break (no classes)

Thanksgiving break

Last classes of the first semester

Last day for scheduled events

Semester examinations

Make-up examinations; winter  
recess begins (residence halls closed)

## January Term

Thursday, January 3 *through*

Wednesday, January 30

January program

## Second Semester

Tuesday, February 5

Wednesday, February 6

Friday, March 22, 5:30 p.m. to

Monday, April 1, 8:00 a.m.

Friday, May 10

Saturday, May 11

Wednesday, May 15 *through*

Monday, May 20

Tuesday, May 21

Sunday, May 26

Registration

First classes

Spring recess (residence halls closed)

Last classes of second semester

Last day for scheduled events

Semester examinations

Make-up examinations

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.

# College Calendar 1985-86

## First Semester

Wednesday, September 4

Sunday, September 8

Monday, September 9

Monday and Tuesday, October 21, 22

Wednesday, November 27, at the conclusion of 12:30 classes to

Monday, December 2, 8:00 a.m.

Thursday, December 12

Friday, December 13

Monday, December 16 *through*

Saturday, December 21

Sunday, December 22

Freshman program begins

Registration

First classes

Midsemester break (no classes)

Thanksgiving recess

Last classes of first semester

Last day for scheduled events

Semester examinations

Make-up examinations; winter recess begins (residence halls closed)

## January Term

Friday, January 3 *through*

Wednesday, January 29

January program; (Saturday, January 4 is a scheduled class day)

## Second Semester

Tuesday, February 4

Wednesday, February 5

Friday, March 21, 5:30 p.m. to

Monday, March 31, 8:00 a.m.

Friday, May 9

Saturday, May 10

Wednesday, May 14 *through*

Monday, May 19

Tuesday, May 20

Sunday, May 25

Registration

First classes

Spring recess (residence halls closed)

Last classes of second semester

Last day for scheduled events

Semester examinations

Make-up examinations

Commencement





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