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Colby College Catalogue



1985-1986

Colby College Catalogue

SEPTEMBER 1985-1986

Waterville, Maine

Inquiries to the College should be directed as follows:

Academic Counseling MARK R. SERDJENIAN, *Associate Dean of Students*, 872-3100

Admission PARKER J. BEVERAGE, *Dean of Admissions and Financial Aid*, 872-3168

Adult Education and Summer Programs ROBERT H. KANY, *Director of Division of Special Programs*, 872-3385

Business Matters ROBERT ST. PIERRE, *Controller*, 872-3159

Grants, Loans, and Student Employment SUSAN SHEEHAN, *Director of Financial Aid*, 872-3379

Health and Medical Care CARL E. NELSON, *Director of Health Services*, 872-3398

Public Affairs PETER J. KINGSLEY, *Director*, 872-3226

Records and Transcripts GEORGE L. COLEMAN II, *Registrar*, 872-3197

Student Affairs JANICE SEITZINGER, *Dean of Students*, 872-3103

Mailing address: Colby College, Waterville, Maine 04901. Telephone: (207) 872-3000.

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.

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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 1,696 (opening, 1984).

Faculty 159 full-time and part-time.

Endowment \$40,106,247 (market value as of June 30, 1984).

Library 400,000 volumes and 1,600 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, Associated Colleges of New England, 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 16 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.

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 could 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 60 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 required 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 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 an assistant dean of students for 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, faculty, and staff 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 "Pre-calculus." 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]. Final decision on placement rests with the chairman of the mathematics department.

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 1985-86 is met at entrance by a score of 60 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 60 or above on the College Board language achievement test is done by consultation with the department.

Student Fees

Annual Basic Charges 1985-86

	<i>Sem. I</i>	<i>Sem. II</i>	<i>Total</i>
Tuition	\$4,675	\$4,675	\$9,350
Board	885	885	1,770
Room	895	895	1,790
General Fee	225	225	450
	<u>\$6,680</u>	<u>\$6,680</u>	<u>\$13,360</u>

Calendar of Payments 1985-86

	<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.	\$6,480	\$4,700
<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.	\$6,480	\$4,700

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 \$360 per credit hour.

Board: The College offers a single board plan of 21 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. Music majors will be exempt from this charge.

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/Colby in Cork: In lieu of the regular charges for tuition, room, board, and general fee, an annual fee of \$8,300 is charged to a student participating in the Colby in Caen or Colby in Salamanca program and an annual fee of \$9,000 is charged to a student participating in the Colby in Cork program. Because of the nature of these programs, separate deadlines, deposits, and refund policies apply. Details are available in the Colby in Caen, Colby in Salamanca, and Colby in Cork brochures.

Cuernavaca/Dijon/Lübeck Semesters: For students participating in one of these programs, the regular basic charges of \$6,680 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 imposes penalties for late payments of charges. 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 Manage-

ment 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 the period for which a student has been billed, 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. This refund policy applies to off-campus Colby programs as well as the regular academic program on campus.

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

Colby offers financial aid to students who evidence need as well as academic and personal promise. In an effort to insure equal access and opportunity for those from all socioeconomic backgrounds, Colby awards six million dollars annually in grants, loans, and campus employment to approximately 585 students, or 35 percent of the enrollment. The average award in 1985-86 is expected to be approximately \$8,000. 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 a special institutional application for financial aid before November 15 for Round 1 Early Decision candidates and before January 15 for Round 2 Early Decision candidates.

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

As stated more fully in the section on "Academic Procedures" in this catalogue, the committee on academic standing reviews the records of all students at the end of each semester to determine if each is maintaining satisfactory academic progress. Decisions of this committee determine eligibility for financial aid as defined by federal regulations.

Committee decisions of dismissal (and, therefore, discontinuation of eligibility) may be appealed. When students have been readmitted after academic dismissal, federal Title IV assistance (to a maximum of ten semesters) will be awarded on a funds-available basis according to Colby's published funding priorities for financial aid. All standards are in accordance with AACRAO and NASFAA guidelines for self-regulation with respect to satisfactory progress.

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 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, including sexual harassment, or intimidation of any kind; any student found guilty of such actions or of interfering with these goals will be subject to civil prosecution as well as suspension or expulsion from Colby.

Effective Commencement 1984, the College withdrew its recognition and support of its social fraternities and sororities and the trustees mandated that no rushing, pledging, or initiating of new members of fraternities or sororities would be permitted after January 1984. Students who pledge or who invite pledging in any fraternity or sorority will be subject to disciplinary action that could include suspension or expulsion.

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 underaged persons. 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 are 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 residence hall sizes range from 30 to 200 students per building. All class years are housed in each building.

Except for some area students who may live at home with the permission of the College, all freshmen 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. 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 24 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 1,600 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 videotapes. 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 and has a fully equipped listening facility for 4,000 sound recordings. 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 received 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 100 manuscript files pertaining to Colby graduates, faculty, and staff dating from 1833 to the present. Also included is an extensive collection of books by Colby graduates and faculty.

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 created four distinct small communities called "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 residence hall 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 will serve as a focus for the Commons Plan and as a forum for campus-wide social and program activities.

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

Chaplin Commons, named for Jeremiah Chaplin, Colby's founder and first president who served from 1817-33, is comprised of Averill Hall, West Quad, and Grossman, Treworgy, Pierce, and Perkins-Wilson residence halls.

Johnson Commons is named for Franklin Winslow Johnson, Colby's fifteenth president (1929-42), who inspired the College's move to the Mayflower Hill campus. This commons includes Johnson Hall, East Quad, and the residence halls of Piper, Drummond, and Goddard-Hodgkins.

Mary Low Commons is named in honor of Colby's first woman graduate from the class of 1875. Included in this commons are the residence halls of Foss, Woodmar Coburn, and Mary Low.

Campus Life

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 annual 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 Cooper 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 Langenbacher Collection of Watercolors by Charles Hovey Pepper, the Weiss Collection of 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, bookbinding, and photography.

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 soccer, basketball, and lacrosse. Rugby is a club sport for men and women. Skiing, crew, and sailing are also coed club teams.

Varsity teams for women include 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.

Colby College is also a member of the National Collegiate Athletic Association, the Northern College Athletic Conference, the Eastern Association for Intercollegiate Athletics for Women, and the Maine Association of Intercollegiate Athletics for men.

Intramurals Programs in intramurals are on a coeducational basis; each student is invited to engage in the activities of his or her choice. Competition is organized in touch football, soccer, basketball, ice hockey, volleyball, frisbee, table tennis, skiing, track, and cross-country, swimming, softball, tennis, cross-country, marathon run, and basketball shot-put. 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, 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 Colby 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 electronic music center. Facilities for musical theater and opera are provided in the Performing Arts Center, while Lorimer Chapel serves as a concert hall 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 outdoor concerts.

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

Concerts by visiting artists are presented by the music department, by the Student Association, and by the Colby Community Music Associates, a group that sponsors a series of concerts to bring artists of international renown to the campus.

Performing Arts Colby offers an interdisciplinary major in performing arts in which includes courses offered by the departments of art, classics, English, modern languages, and music. In addition, Colby provides courses for non-majors and opportunities for practical experience in all the areas of theatrical production, dance, and music. The Strider Theater, the Dunn Dance Studio, a small cellar-theater, and studios, and many spaces for musical performance 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 Robert 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

ports and encourages an ecumenical ministry on the campus. There are Catholic, Jewish, and Protestant chaplains.

Student Organizations More than 60 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 *Wood*, devoted to art, literature, and photography.

Service organizations are Better Alcohol Responsibility (B.A.R.), Big Brother/Big Sister, Colby Environmental Council, and Student Primary Emergency Care Systems (ECS).

Other groups include the American Chemical Society, Amnesty International, Bike Club, Chemistry Club, Coalition for Political Awareness, Coffeehouse Association, Colby Crossfire, Colby Dancers, Colby Democrats, Colby for the Freeze, Colby International Club, Colby Model United Nations, Colby Outdoor Orientation Trips (C.O.T.), Debate Club, Deutschklub (German club), Entrepreneurs' Club, French Club, Geology Club, Los Subrosa (Spanish club), Men's and Women's Rugby, North Colby Undergraduate Review, One Chop Stick (East Asian club), Outing Club, Pep Club, Photography Club, Pottery Club, Powder and Wig, Republican Club, Rowing Club, Sailing Club, Senior Arts Exhibition, Ski Club, Student Alumni Association, Student Arts Committee, Student Organization for Black and Hispanic Unity (SOBHU), Table Tennis Club, Underwater Divers Association, WMHB, Winter Activities Association, Women's Group, and Woodsmen's Teams.

Religious organizations are B'nai B'rith Hillel, Chapel Services Group, Colby Christian Fellowship, and the 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 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 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, Gardner Colby, a prominent merchant of Newton Centre, Massachusetts, made a generous gift, 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 34.

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 first female student.

After World War I, Colby found its campus confined to 30 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 20 years after this decision, 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.

The growth of Colby since the transfer to Mayflower Hill has been striking. There are now 43 buildings and several playing fields. Enrollment has risen from 600 in 1900 to 1,600, and students come from 42 states and 26 foreign countries. The faculty numbering 56 in 1940, now is 159. Endowment has increased from three million dollars in 1940 to 40 million dollars. The physical expansion has been accompanied by growth in variety and quality of the curriculum.

Presidents

1818-1833	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

- 1892 ALBION WOODBURY SMALL
- 1895 BENIAH LONGLEY WHITMAN
- 1901 NATHANIEL BUTLER, JR.
- 1908 CHARLES LINCOLN WHITE
- 1927 ARTHUR JEREMIAH ROBERTS
- 1942 FRANKLIN WINSLOW JOHNSON
- 1960 JULIUS SEELYE BIXLER
- 1979 ROBERT EDWARD LEE STRIDER II
- 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 committed 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.

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Academic Requirements

Graduation Requirements To qualify for the degree of Bachelor of Arts, a candidate must meet specific requirements in residence, quantity, quality, distribution, major, and January Program of Independent Study. Only those seniors who have met 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 2.0 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 2.0 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:

1/2 quality point per credit hour added.

Each *minus* mark is:

1/2 quality point per credit hour deducted.

No points are earned:

for marks below D-.

Two points are earned:

for each credit hour of *Cr* in nongraded courses.

Distribution Requirements

No part of any requirement can be satisfied with pass/fail or praxis credits.

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; Dijon, France; or Lübeck, West Germany. Open to freshmen, the program in Cuernavaca and Dijon are offered in the fall semester, while the Lübeck program is in the spring 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 13 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 of humanities, social science and natural sciences. Three of the credit hours in the natural sciences must involve laboratory experience in appropriate courses in astronomy, biology, chemistry, geology, or physics.

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 L. SANDY MAISEL):

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 H. FIRMAGE):

Astronomy

Biology

Chemistry

Computer Science

Geology

Mathematics

Physics

Division of Physical Education (Chairman, ASSOCIATE PROFESSOR RICHARD J. MCGEE):

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, one of a number of designated combinations, or in an individually designed independent major. Students are encouraged to reexamine their choices 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 can be obtained from the registrar's office.

Any student whose major average falls below 2.0 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 a 2.0 average, has been earned in the new major. If, in the senior year, the average in courses completed toward the major falls below 2.0, 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, English, geology, government, mathematics, 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 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, a subcommittee of the independent study committee. An annual report is required for 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. Inquiries about independent majors should be directed to the dean of students office.

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 program credits 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 nongrade 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. Practical 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 requirement 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. January program options in field experience and internships must also be approved in advance by the field experience coordinator. 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 on college campuses by students prior to matriculation as freshmen are evaluated on the same basis as courses presented by new transfer students.
- 3) Credits to be transferred toward a Colby degree by a matriculated student must be approved in advance by the appropriate College authority. Forms on which to seek approval can be obtained from the following:
 - (a) For foreign study: coordinator of foreign study.
 - (b) For domestic exchange: dean of students office.
 - (c) For summer school courses, or courses to be taken while on leave of absence other than exchange or foreign study: registrar.
- 4) No student may receive transfer credit 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 College 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 toward meeting requirements for graduation. If there is any question about an individual's record, consult the registrar's office. Each student must also be aware of deadlines within each academic year that pertain to academic actions; these are distributed 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. The decision of the board shall be final and binding unless overruled by the president of the College who has the final authority and responsibility. 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 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 receive 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 Elye 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 the previous semester has been at least 3.2 for upperclassmen (3.0 for freshmen) and a minimum of 12 credits, exclusive of pass/fail credits. A student with any mark incomplete is not eligible for Dean's List.

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 dean of students office.

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 Phyllis Mannocchi, chairman. The council is comprised of the directors of the interdisciplinary programs.

Interdisciplinary studies offer three unique options. These options are the major 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. Majors in 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 and other students to satisfy the College's language requirement (and earn a semester's credit) by living abroad and studying the language intensively. Three programs will be in operation in 1985-86:

Colby in Cuernavaca: Now in its fourth 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, and is offered in the fall semester.

Colby in Dijon: This year for the first time a group of Colby students will study French intensively in Dijon, France. Under the direction of Professor Jean D. Bundy of the department of modern foreign languages, these students will be enrolled in a special branch of the University of Dijon and will have a full program of cultural activities, excursions, and contacts with French people. The program is open to students who have completed French 122 at Colby or who have a minimum of three years of high school French with emphasis on oral skills. This program is offered in the fall semester.

Colby in Lübeck: During the spring semester, a new program will be offered in Lübeck, West Germany. Students will live with German families and study the German language intensively. The director of this program is Professor Hubert Kueter of the department of modern foreign languages. Students who have completed German 2 or who have a minimum of three years of high school German may apply. Additional information on these foreign-language semesters may be obtained from the admissions office (for incoming freshmen), the program directors, or the department 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 in 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 study in 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, Spain, and Ireland (see "Colby in Caen," "Colby in Salamanca," "Colby in Cork" below). For other programs, the College requires that students attend a recognized foreign university and be fully integrated in that university's program of study. Proposals to study abroad must be approved by the students' major departments and by the Foreign Study Council. This approval must be obtained before the period of study abroad if credit is to be transferred. Students should begin inquiries early in the fall semester; some foreign universities have application deadlines as early as December 1. A grade point average of 2.7 is required for many of the programs; British universities require a 3.0 grade point average. The coordinator of foreign study will refer students to faculty members who are area advisers 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, normally taking 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 department of modern foreign languages. 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 Universidad de Salamanca, and academic course work from October to mid-June.

Although students may enroll in or audit any course at the Universidad de 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.

Colby in Cork: Colby College inaugurates in 1985-86 a year-long program for junior at University College, Cork, one of the three major components of the Irish University system.

Students pursue a wide array of courses and are fully integrated into the academic and cultural life of the college, which includes a strong element of the Gaelic tradition. A Colby College faculty member is resident director, teaching regular university courses and providing support for the College's students. Those who satisfactorily complete the program are awarded 30 Colby credits for the year. Grades are assigned in consultation with University College faculty members in accordance with the College's grading system.

Students live in local housing accommodations arranged by the director, generally with families in homes housing several students and within easy reach of the university. The program begins in mid-September with a short orientation period and toward the academic year of three terms ends in mid-June.

For further information, consult J. Fraser Cocks, director of special collections, Colby College Library.

Study in Asia: The Associated Kyoto Program (AKP) is a Junior Year Abroad program

sociated 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 Kandy, Sri Lanka. The program features courses in the history, language, religion, and culture of Sri Lanka and South Asia, operates from August through November, and carries one semester's course credit at 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 more or less formal arrangements with most British universities, among them the universities of Edinburgh and St. Andrews in Scotland, and in England the universities of Bristol, Essex, Kent, Reading, Sussex, Warwick, and York, as well as the University and King's colleges and the London School of Economics, all parts of the University of London. London School of Economics' senior tutor for general studies interviews students in Waterville each March. Information on these and other universities is available from the area adviser.

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 or internships 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. Students normally earn from one to six credits. 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 30, 1985. For more information contact the Office of Career Services.

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.

Engineering Colby College, the University of Rochester, and Case Western Reserve University are affiliated in joint programs whereby a student may acquire an education in the liberal arts and also in engineering in a five-year period, with three years spent at Colby and two at either Rochester or Case Western Reserve. On successful completion of the program, the student is awarded a Bachelor of Arts degree from Colby and a Bachelor of Science in Engineering degree from the chosen university.

While at Colby, the engineering student must attain mastery of the necessary mathematics and science to support an intensive study of engineering that will follow, while gaining a broad grounding in the humanities and social sciences as well. Students graduating in this program are exempt from Colby's senior year in residence requirement, but all other graduation requirements must be met. The chairman of the physics department serves as adviser for this program, and should be consulted early in the student's Colby career.

Another option for the student who plans to be an engineer but also wants a liberal arts college education is a regular physics or chemistry major at Colby, followed by engineering studies in a graduate school.

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

Law and Government Service: The committee on professional preparation for law and government service advises students preparing for careers in these areas. Prelaw students may major in any field, but they will profit from early consultation with committee members on the courses that provide the strongest possible liberal arts background for the study of law.

Medicine and Dentistry: Medical schools do not require a particular major but do require high academic standing and the inclusion of biology, chemistry, physics, mathematics, English, and foreign languages in the student's college program. Some dental schools admit applicants after three years, and sometimes after only two

ars, of college work; however, the leading schools prefer students with a college degree, and have specific requirements in biology, chemistry, physics, and English. The professional preparation committee for medicine and dentistry provides formal advising and other support.

Religion: Members of the department of philosophy and religion, in cooperation with the College chaplains, serve as advisers to students who plan to enter seminaries.

Computer Resources Plans developed by the faculty and endorsed by the trustees call for continued increase in the use of computers in the curriculum. Instruction is offered 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 now offer highly sophisticated but very approachable computing to a large number of simultaneous users. About 170 terminals at many locations on the campus are connected through communications lines to several time-sharing systems that run AT&T's UNIX operating system. 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, graphics, or specific course-related exercises. Every student, upon application, has free, unlimited use of these resources for any noncommercial purpose. Colby recently adopted the Apple Macintosh as its standard micro, and offers it for sale at a discount through the College bookstore to students and faculty. Twenty-five College-owned Macs are also available for student use in clusters on campus.

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 or 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 appropriate 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 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.

Academic Review The committee on academic standing reviews all current student records at the end of each semester to determine that all enrolled students are making satisfactory progress toward the degree. Students who earn fewer than 12 credits or less than a 2.0 grade point average in any semester, exclusive of the January program, are subject to being placed on probation or dismissed from the College by the committee. Only when there are compelling extenuating circumstances (e.g., illness, unusual personal problems) is it advisable for a student to carry fewer than 12 credits; such a reduced program must be approved by the dean of students.

A student who is on probation must earn 12 credits and a *C* (2.0) 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 end of the second semester.

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

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 Adults who are not matriculated Colby students may register to audit courses at the College. Application to audit must be made with the dean of admissions; if approval is granted, forms for registering to audit specific courses must be 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.

A nonrefundable fee of \$25 per course is charged for auditing; the fee is waived for persons 65 or more years of age. Members of the College staff and their spouses may audit courses without charge.

A matriculated Colby student may register to audit courses by obtaining written consent of the instructor and adviser. No auditing fee is charged; no credit is earned, and the audit is not recorded on the student's permanent record.

An auditor is not permitted to submit papers or perform any other function for which course credit is usually given. For this reason, auditing is seldom permitted in courses where the method of instruction involves significant individual attention and criticism. Under no circumstances can academic credit be given an auditor, nor can an audited course later be converted into an accredited course 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 300s and 400s. 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.

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 course *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 and Leonard Reich; Assistant Professors John Bubar¹, Frederick Gautschi, and Elizabeth Fisher; Visiting Assistant Professor Mark McAuliffe²; Instructor Charles Grim

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 com-

municative 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 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.

On leave full year.

Part-time, first semester only.

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 INSTRUCTOR

231 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.* MS. FISHER

271] 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.*

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:* Permission of the instructor. *Three credit hours.* INSTRUCTOR

298 Corporate Governance The nature of the governance structure in profit and not-for-profit organizations, with emphasis on understanding the several relationships among corporate boards, management, stockholders, and clients in such organizations. Proposals for restructuring the governance mechanism are considered. *Prerequisite:* Permission of the instructor. *Three credit hours.* MR. GAUTSCHI

[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.* INSTRUCTOR

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

334d1 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.* MRS. KNIGHT

336d1 Political and Social Environment of Businesses and Other Institutions Relationships between the private sector and the changing sociopolitical environment in the American political economy, relationships between business and other institutions, influence of business on public values and policies, and the emerging characteristics of the sociopolitical environment. *Three credit hours.* MR. GAUTSCHI

†**[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.*

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.* INSTRUCTOR

354 Law The processes of law that underlie personal and institutional relationships. *Three credit hours.* INSTRUCTOR

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, 32 and Mathematics 231 or equivalent. *Three credit hours.*

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

397 Marketing Research Methods An examination of a variety of multi-variate statistical techniques as applicable to research issues in administration. Students will be expected to develop a facility for using locally available statistical packages on the computer. *Prerequisite:* Previous coursework in statistics and permission of the instructor. *Three credit hours.* MR. GAUTSCHI

398 Corporate Social Responsibility/Business Ethics An examination of a variety of views, both normative and descriptive, regarding the social role of business and business decision makers in the American political economy. *Prerequisite:* Permission of the instructor. *Three credit hours.* MR. GAUTSCHI

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.*

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.* MRS. KNIGHT

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.* MS. FISHER

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 (History), Patrick Brancaccio (English), Dallas Browne (Anthropology, Black Studies), Fraser Cocks¹ (Special Collections), Jack Foner (History), Frederick Geib (Sociology), Henry Gemery (Economics), Peter Harris (English), Yeager Hudson (Philosophy), Jane Hunter (History), Thomas Longstaff (Religion), David Lubin (American Studies and Art), Paul Machlin (Music), Sandy Maisel (Government), Phyllis Mannocchi (English), Deborah McDowell (English), Thomas Morrione¹ (Sociology), Fred Moseley (Economics), Richard Moss (History), Harold Raymond (History), John Sweney (English), Robert Weisbrot² (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 ad-

mission 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 Psychological Anthropology.

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; 398 The Economics of Poverty in America; 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; 354 The American Short Story; 355 Black American Literature; 356 Modern American Fiction; 357 Modern American Poetry; 358 Contemporary American Poetry; 359 Early American Authors; 398 Art and Oppression; 491, 492 Independent Study; 493, 494 Seminars in British and American Literature (when appropriate).

Government: 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 Policymaking Process; 319 Law and Social Change: Women and Minorities; 356 Parties and the Electoral Process; 392 The Administrative Process; 412 Colloquium on Political Theory and Constitutional Law; 432 Seminar on Executive Leadership in the Federal Government; 433 American Government and the Press; 434 Women in American Politics; 438 Seminar in Policy Advocacy; 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; 312 The Atlantic Revolutions; 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; 377 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: 111 Science, Technology, and Religion in Modern America; 217 Religion in America; 236 American Religion Outside the Mainstream; 316 Contemporary Western Theology; 491, 492 Independent Study.

Sociology: 211, 212 Short Courses in Sociology; 231 Contemporary Social Issues; 232 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.

¹On leave full year.

²On leave first semester.

†[258] **American Character and Culture** Listed as History 258 (q.v.). *Three or four 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. *Four 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 historic graphic 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, Anaïs Nin, Meridel Le Sueur, Zora Neale Hurston, Lillian Hellman, Tillie Olsen, Rita Mae Brown, Anne Moody, Alice Walker, and Mary Sarton, and documentaries on women's lives by contemporary filmmakers. Enrollment may be limited. *Three credit hours.* MS. MANNOCCHI

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.* MS. MCDOWELL

7, 278] **American Visual Arts** Listed as Art 277, 278 (q.v.). *Three credit hours.*

8 **Business Cycles in United States History** A focus on three major periods of depression in United States history: the 1830s and '40s, the 1870s and '90s, and the 1930s. An analysis of the causes of the recurring depressions, and an examination of the effects of depressions on the structure of the economy, on government policies, and on the literature of the period. A brief consideration of the possibility of another serious depression in the future. Cross-listed as Economics 298. *Prerequisite:* Economics 131 or permission of the instructor. *Three credit hours.* MR. MOSELEY

1, 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

3, †[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.* MR. BASSETT AND MR. MOSS

Ancient History

In the department of classics.

1 **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.*

77, 178] **Topics in Ancient History** Topics vary depending upon the particular field of the Taylor Lecturer. May be repeated for credit. *Two or three credit hours.*

52] **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.*

52d1 **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.* MRS. KOONCE

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.*

1, 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 group. 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, ideology. *Prerequisite:* Anthropology 111 or permission of the instructor. *Three credit hours.* INSTRUCTOR

[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.*

†[212] **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.*

†[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 behavior; 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.* MR. BROWNE

[9] **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.*

1d2 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

1d21 Pacific Islands Cultures An investigation of both the fantasy and the reality of the Pacific Islands, the geography, economics, kinship and social life, political organization, and religion of aboriginal Pacific peoples, and the history of exploration and colonization of the area by Europeans. *Three credit hours.* MS. POYER

33] Anthropology of a Region A socio-cultural analysis of a selected geographic area. *Three credit hours.*

38 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

37 Ethnohistory Discussion of the two meanings of "ethnohistory"; (1) the study of unwritten presentation of the past in myth, song, art, and oral tradition; (2) the history of the nonindustrial world as it is known from both written and oral sources. *Three credit hours.* MS. POYER

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.*

97 Symbolic Anthropology Culture is a system of symbols and meanings shared by a group of people. An exploration of the processes of the construction and communication of meaning through symbols, using anthropological approaches to analyzing symbols, including structuralism, semiotics, interpretive anthropology, and cultural analysis. *Three credit hours.* MS. POYER

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.* FACULTY

Art

Chairman, PROFESSOR DAVID SIMON

Professors Harriett Matthews and D. Simon; Visiting Associate Professor Abbott Meader; Assistant Professors Gina Werfel¹, W. Hearne Pardee¹, Sonia Simon¹, 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 2 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.

¹Part-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, MS. WERFEL, AND MR. MEADER

- 1, 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.* MR. PARDEE
- 2] 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.*
- 1, 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
- 1d2 American Art** Architecture, sculpture, and painting from colonial times to the twentieth century. Lectures and problems make use of the original material in Colby collections. *Three credit hours.* MR. LUBIN AND MR. MARLAIS
- 5 Classics of the Sound Cinema** Selected masterpieces of world cinema (30-1960). 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
- 77] 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.*
- 78] American Visual Arts II** A continuation of Art 277, concentrating on the twentieth century. Cross-listed as American Studies 278. *Three credit hours.*
- 311] 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.*
- 13 Art of the Early Middle Ages** Painting, sculpture, and architecture from 5 A.D. to 1000 A.D., from the Christianization of Rome through the development of Byzantine civilization in the East and through the Ottonian Empire in the West. *Prerequisite:* Art 111. *Three or four credit hours.* MR. SIMON
- 14 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.* MS. SIMON
- 31 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.* MS. SIMON

†[332] **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.*

†[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.*

†[335] **Mannerism and Baroque Art in Italy** Painting, sculpture, and architecture from the late works of Michelangelo in the sixteenth century through the dome of Guarini 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

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

352d1 Modern Art, 1880-1945 History of avant-garde movements from post-impressionism to the New York School. *Prerequisite:* Art 112. *Three or four credit hours.* MR. MARLAIS

353d2 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

[371] **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.*

[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 roles 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.*

398j Symbolism A seminar on the painting, poetry, and to some extent the music, of French and Belgian symbolism, an important phase in the development of

ernism during the last two decades of the nineteenth century. Among the artists considered are Paul Gauguin, Georges Seurat, Odilon Redon, Maurice Denis, Jannand Khnopff, Stéphane Mallarmé, Paul Verlaine, and Claude Debussy. *Prerequisite*: Permission of the instructor. *Two credit hours.* MR. MARLAIS

3 The Cinema of Truffaut and Godard A seminar that will examine major as well as lesser known works by the two most important French filmmakers of the past quarter century. Readings will be of a theoretical nature; specific films will be considered. *Prerequisite*: Art 275 or permission of the instructor. *Three credit hours.*

LUBIN

4, 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

4 Seminar in Art History Topics in architectural history, a seminar designed to encourage students to question the nature of art history as a humanistic discipline through discussion of the architecture of various periods and analysis of specific buildings. *Prerequisite*: Permission of the instructor. *Three or four credit hours.* MR. ION

Astronomy

In the department of physics and astronomy.

1 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, galactic structure, and cosmology. Special topics include pulsars, quasars, and black holes. Laboratory work, which is required, includes both nighttime observing and laboratory astrophysics. Enrollment limited. *Four credit hours.* MR. CAMPBELL

2 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

Professors Bennett and Thomas Easton; Associate Professors Bruce Fowles, Arthur Jamplin, David Firmage, Russell Cole, and Jay Labov¹; Assistant Professors Frank Kete, Raymond Phillips², and Elizabeth Flint

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 elective biology courses. No requirement for the major may be taken pass/fail.

Requirements for the Basic Major in Biology

Mathematics 121 or equivalent 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 prerequisites 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 interested in teaching, private and public, are urged to read the education section of the catalogue and to contact a member of the education department. Students preparing for dental, medical, or veterinary school should take Mathematics 122 and must take Chemistry 241, 242, and Physics 121, 122 or 141, 142; 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 (with laboratory), 493, 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. 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 354, 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.

¹On leave full year.

²Part-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

ject of the health professions. *Prerequisite:* Permission of the faculty sponsor and hospital coordinators. *Noncredit.*

12j] Heredity and Evolution An introduction to the basics of heredity and 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.*

1, 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

33j 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.* MR. FEKETE

34j 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 science distribution requirement. Cannot be counted toward the biology major. *Three credit hours.* MR. EASTON

36j 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 arboriculture. 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.*

38j 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.*

212] Aspects of Human Physiology An examination of the human organism and its functions. Topics to be studied will include the basics of biological chemistry and physics, 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.*

19 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.* MR. COLE

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. COLE

272 Cell Biology An introduction to the study of cellular and molecular biology with an examination of the structure and function of nuclear and cytoplasmic components, with emphasis on experimental findings. Instruction in basic histologic and cytochemical techniques is included, in addition to studies of selected cellular properties. Lecture and laboratory. *Prerequisite:* Biology 121, 122, 271, 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 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.* MR. FIRMAGE AND MR. PHILLIPS

312 Vertebrate Zoology Classification, distribution, and ecology of vertebrates. The adaptive strategies of animals and their 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.* MR. COLE

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 in 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.

ques. 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.*

322 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 the 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. STON

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. *Four credit hours.*

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. Augmented credit based on the addition of laboratory work which will focus on quantitative analysis. *Prerequisite:* Biology 271 and 272, or permission of the instructor. *Three or four credit hours.* MR. FIRMAGE AND MR. COLE

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 271 and 272, or permission of the instructor. *Three credit hours.* MR. COLE AND MR. FIRMAGE

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.*

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 nongraded 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 individual 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

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. Lecture 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, stored, and transmitted by living organisms. Augmented credit of one hour based on the addition of laboratory work. *Prerequisite:* Biology 271 and 272, or permission of the instructor. *Three or four credit hours*.

378 Animal Behavior An examination of animal behavior from a biological viewpoint. Topics will include the control, development, function, and evolution of behavior. *Prerequisite:* Biology 271 and 272, or permission of the instructor. Lecture only: *three credit hours*; lecture and laboratory: *four credit hours*. INSTRUCTOR

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, and 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:* Biology 121, 122, 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

473 Topics in Molecular Biology Detailed considerations of the molecular biology of procaryotic and eucaryotic cells. Topics include molecular evolution; vir macromolecular assembly; molecular basis of metabolism, contractility, membrane systems, and bioenergetics; enzymes; and molecular immunology. Lecture and laboratory. *Prerequisite:* Biology 271 and 272, Chemistry 241, 242 (may be taken concurrently), or permission of the instructor. *Four credit hours*. MR. FEKETE

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. A group project will be done to teach methods used by private firms and governmental agencies to investigate ecological problems. Enrollment limited. *Prerequisite:* Biology 352 with laboratory and permission of the instructor. *Three or four credit hours*. MR. FIRMAGE AND MR. COLE

Black Studies

Director, ASSOCIATE PROFESSOR DEBORAH MCDOWELL

ADVISORY COMMITTEE: Professors Charles Bassett (English), Patrick Brancaccio (English), Charles Brown (Anthropology, Black Studies), Henry Gemery (Economics), Paul Machlin (Music), Phyllis Mannocchi (English), McDowell (English), Jonas Rosenthal (Sociology), and Sweney (English), and Robert Weisbrot¹ (History); and two students

Activities in the area of black studies began at Colby in 1969 with the formation of a black studies subcommittee of the educational policy committee. The work of the committee has involved the encouragement of curriculum development, scholarly exchanges through visiting lecturers, faculty attendance at professional meetings, exchanges of students, and faculty visits to other colleges to keep abreast of developing programs.

Structured around a cluster of courses in anthropology, African and Afro-American history, and Afro-American literature, the black studies program aims to expose students to the history and culture of blacks throughout the African Diaspora. Students interested in the program are strongly encouraged to consider an independent major. Courses in black studies may be applied to the following majors: English, African studies, anthropology, government, and sociology. The history courses listed below may be applied to a field of concentration within the history major.

Courses Offered in the Black Studies Program

African 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; 493 or 494 Literature of the Black Woman Writer.

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; 252 Race and Minorities; 412 Sociological Issues in Third World Development.

Students should consult the catalog for more information and should consult with their advisor to determine which courses to take first semester.

Chemistry

Chairman, PROFESSOR WAYNE SMITH

Professors George Maier¹ and Smith; Associate Professor Thomas Shattuck; Assistant Professors Gary Mabbott, R. Daniel Libby, and Carol Libby

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 science, 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 future 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 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 141, 142; 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, 483, 484; 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.

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

¹On leave full year.

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

12] Chemistry for Citizens Basic chemical principles and their application to topics of current concern, such as environmental problems, energy, nuclear reactions, recycling, health, and consumerism. Intended as a course for nonscience majors. Students with prior credit for Chemistry 141 may not receive credit for Chemistry 112. Laboratory portion is optional and satisfies the laboratory science distribution requirement, but enrollment is limited. Lecture only: *three credit hours*; lecture and laboratory: *four credit hours.* MR. SMITH

13] Forensic Chemistry The literature of popular authors such as Arthur Conan Doyle and Dorothy Sayers serves as a source for discussion of the chemical principles underlying the toxicology and methods of analysis related to crime and chemistry. Historical and current chemical perspectives on such topics as: properties and mechanisms of poisons, fiber, blood and stain identification, trace metal analysis, detection of explosives and fire accelerants. Intended for nonchemistry majors. *Three credit hours.*

141, 142 General Chemistry and Elementary Analysis Fundamental principles, with examples selected from inorganic chemistry; stoichiometry; atomic structure; 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, MR. MABBOTT, AND MR. ATTUCK

142 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

141, 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. LIBBY

331, 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

311 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 method including modern electroanalytical methods, absorption spectroscopy, fluorescence, nuclear magnetic and mass spectrometry, and chromatography. *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 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, application 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. LIBBY

434 Advanced Physical Chemistry Use of principles of symmetry and group theory as an aid in understanding chemical bonding and interpreting molecular spectroscopy. Reaction mechanisms of transition-metal complexes and organo-metallic compounds. *Prerequisite:* Chemistry 411. *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.* MS. LIBBY

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.* MS. LIBBY

483, 484 Special Topics in Environmental Chemistry Primarily a laboratory course with emphasis on independent studies of environmentally related topics. Paper and oral presentation are required. *Prerequisite:* Chemistry 217 and permission of the department. *One to three credit hours.* MR. MABBOTT

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

3, 494 Seminar Discussion of topics of current interest in all areas of the emical literature. *Prerequisite:* Permission of the instructor. *One credit hour.*
CULTY

Chinese

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

1, 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. KEENAN

3, 124 Intermediate Chinese A continuation of Chinese 122, with greater emphasis on written Chinese. *Prerequisite:* Chinese 122. *Four credit hours.* MR. KEENAN

51 Introduction to Chinese Literature in Translation A survey of Chinese literature in translation from ancient times to the present, covering poetry, plays, novels, and/or prose. *Three credit hours.* MR. KEENAN

52 Introduction to Chinese Literature in Translation A survey of Chinese literature in translation from ancient times to the present, covering poetry, plays, novels, and/or prose. *Three credit hours.* MR. KEENAN

21, 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. KEENAN

91, 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 and Koonce; Taylor Lecturers Ann De Vito¹ and John Porter²

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 their 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.

¹First semester only.

²Second semester only.

133 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 Greek Tragedy** A survey of the Greek tragic poets of the fifth century B.C., Aeschylus, Sophocles, and Euripides, focusing on the particular interests and the range of each. Plays studied include Aeschylus' *Oresteia*, Sophocles' *Antigone*, *Oedipus Tyrannus*, *Philoctetes*, Euripides' *Hippolytus*, *Electra*, *Helen*, *Bacchae*. *Two or three credit hours.* MISS DE VITO

***178 The Epic Tradition** The development and influence of epic from Homer through Kazantzakis; a detailed examination of the epic in antiquity, focusing on the *Iliad* and *Odyssey* of Homer, the *Argonautica* of Apollonius, and the *Aeneid* of Virgil, and including the once influential works of Lucan and Statius, and the pervasive influence of epic on later literature. *Two or three credit hours.* MR. PORTER

32] Greek Tragedy The development of tragedy as a dramatic form and its relationship to the contemporary changes in Athenian democracy. Readings will include major plays of Aeschylus, Sophocles, and Euripides, and the parody of tragedy in the plays of Aristophanes. *Three or four credit hours.*

34] 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.*

1,492 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. A concentration in computer science is offered. See "Mathematics."

5d Introduction to Computer Science I An introduction to computer science focused on problem solving and programming using the PASCAL language. Algorithm development, control structures, and data structures and their implementation in PASCAL. Formerly listed as Computer Science 131. *Four credit hours.* MR. SKRIEN AND MR. ALLEN

6 Introduction to Computer Science II A continuation of Computer Science 5. Concentration on advanced programming techniques, including dynamic data structures and recursion. The theory and analysis of algorithms and applications of finite automata will be introduced. *Prerequisite:* Computer Science 125 or permission of the instructor. *Four credit hours.* MR. HOSACK

32 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 125 or permission of the instructor. *Four credit hours.* MR. HOSACK

31 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 125. *Three credit hours.* MR. HOSACK

78 Introduction to the Theory of Computation Listed as Mathematics 378 (v.). *Three credit hours.* INSTRUCTOR

1,492 Independent Study Independent study in an area of computer science of particular interest to the student. *Prerequisite:* Permission of the instructor. *One to four credit hours.* FACULTY

East Asian Studies

Director, ASSOCIATE PROFESSOR LEE FEIGON

ADVISORY COMMITTEE: *Professors Roger Bowen (Government), Feigon (History), Dav Keenan (Chinese), Tamae Prindle (Japanese), and Deborah Soifer (Philosophy and Religion)*

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, the CIEE Program in the People's Republic of China, the Colby program in Beijing, and Colby's exchange agreement with Kansai University 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; 251 Introduction to Chinese Literature in Translation; 252 Introduction to Chinese Literature 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 War and Revolution in Vietnam; 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; 218 Buddhist Literature in Asia; 314 Religion in Modern India; 391, 392 Religion Seminar (when appropriate).

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.* MR. FEIGON AND INSTRUCTOR

1, 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.*

JULY

Economics

Chairman, PROFESSOR THOMAS TIETENBERG

Professors Jan Hogendorn, Henry Gemery, James Meehan, and Tietenberg; Assistant Professors Kristin Hallberg¹, Fred Moseley, and William O'Neil¹; Instructors Bruce Demeulen, David Findlay, John Santos, and Charles Grim

In addition to dealing with the study of business behavior, consumers, inflation, and employment, 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 2; 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 (three of which must be taken at Colby) 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 125.

Students who wish to be recommended for graduate work in economics are urged to elect Economics 393 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 125 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, 393; 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.

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).

¹On 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 economics, 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 and/or 132 depending on offering. *Three or four credit hours.*

231 Introduction to Environmental Economics An introductory survey course using economic analysis to explain the underlying behavioral causes of environmental and natural resource problems and to evaluate the policy response 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 TIETENBERG

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. FINDLAY

234 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. GRIM AND INSTRUCTOR

[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 governmental decisions. *Prerequisite:* Economics 131, 132. *Three or four credit hours.* MR. GEMERY

[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.*

275 **Comparative Economic Systems** Examination of the structure and performance of planned and market economies, with emphasis on the former. Specific economies studied include those of Russia, China, Cuba, Japan, and Western Europe. Formerly listed as Economics 292. *Prerequisite:* Economics 131, 132. *Three or four credit hours.* MR. MOSELEY

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 credit hours.* MR. HOGENDORN

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 credit hours.* MR. HOGENDORN

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 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

298 **Business Cycles in United States History** Listed as American Studies 298 (q.v.). *Prerequisite:* Economics 131 or permission of the instructor. *Three credit hours.* MR. MOSELEY

312 **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. Formerly listed as Economics 313. Enrollment limited. *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. Research paper required; may be done for fourth credit or as Economics 391. *Prerequisite:* Economics 233. *Three or four credit hours.* MR. FINDLAY

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. GRIM

†[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.*

355d2 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. SANTOS

76 Marxian Economic Theory The Marxian theory of capitalist economies, 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. Formerly listed as Economics 398A. *Prerequisite:* Economics 233. *Three or four credit hours.* MR. ROSELEY

[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.*

91d 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

93 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. Formerly listed as Economics 394. *Prerequisite:* Either Economics 233 or 234; either Mathematics 231, 242, or 382. *Three or four credit hours.* MR. SANTOS

98 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 antipoverty policies. *Prerequisite:* Economics 233 and 234. *Three or four credit hours.* MR. VERMEULEN

31 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

91, 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

94d 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 Mavrinac¹

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. Candidates for the Maine secondary-school teacher certificate must take qualifying examinations in communication skills, general knowledge, and professional knowledge. To receive an institutional recommendation for the teacher certificate, candidates must have demonstrated serious commitment to teacher preparation, above-average academic performance in courses, and above-average teaching performance in the practica. No requirement for the certificate may be taken pass/fail.

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

Education 213; 251 or 253 or 254; 336; 351 or 353 or 354; 431, 432, 433, and 435; Philosophy 333; Psychology 111, 255, and 256. In addition, English 411 is required for students majoring in English; and Modern Foreign Languages 411, if offered, is required for students majoring in a modern foreign language.

¹Part-time.

111d Introduction to Psychology Listed as Psychology 111d (q.v.). *Three credit hours.* FACULTY

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 is expected. *Three or four credit hours.*

MR. JACOBSON

- 51j 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 critical evaluations. Nongraded. *Prerequisite:* Permission of the instructor. Praxis. *Two credit hours.* MS. MAVRINAC
- 53, 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. Nongraded. *Prerequisite:* Permission of the instructor. Praxis. *Two or three credit hours.* MS. MAVRINAC
- 255 Child Development** Listed as Psychology 255 (q.v.). See also Education 53, 254, 273, 274. *Three credit hours.* MR. ZOHNER
- 256 Adolescent and Adult Development** Listed as Psychology 256 (q.v.). 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.*
- [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.*
- 333 Philosophy of Education** Listed as Philosophy 333 (q.v.). See also Education 353. *Three or four credit hours.* MR. HUDSON
- 336 The American School** The origins and evolution of the American school, as affected by religion, political socialization, race, industrialization, urbanization, and immigration. See also Education 354. *Three or four 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. Praxis. *Two credit hours.* MS. MAVRINAC
- 352d1 Psychology of Exceptional Children** Listed as Psychology 352 (q.v.). See also Education 373, 374. *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. Nongraded. *Prerequisite:* 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. Open to students completing the certification sequence and to prospective private school teachers. See also Education 433. *Prerequisite:* A 3.0 grade point average is expected in a major commonly taught in secondary school and permission of the instructor is required. *Three or four 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. 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. 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. 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 Benbow¹, John Sutherland², Douglas Archibald³, Colin MacKay, Eileen Curran⁴, Patrick Brancaccio, Charles Bassett, Howard Koonce⁵, John Mizner, Edwin Kenney, and Sweney; Associate Professors Ira Sadoff⁵, Dianne Sadoff⁴, Peter Harris, Susan Kenney², Phyllis Mannocchi, Deborah McDowell, and Eric Binnie; Assistant Professors Robert Farnsworth and Douglas Green; Lecturers Patricia Onion², Jean Sanborn², Robert Gillespie², David Mills², Linda Tatelbaum², and Kirsten Wallace²

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

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. English 411 does not count toward the major.

The point scale for retention of the major applies to all English courses that may be used to fulfill major requirements. No requirement for the major may be taken 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.

Requirements for the Concentration in Creative Writing

The concentration consists of at least one introductory, one intermediate, and one advanced writing course, plus either an independent study (in which the student will write and revise a portfolio of poems or stories) or the repetition of the advanced writing course incorporating the portfolio requirement. The portfolio, like an honors thesis, is to be read and approved by two creative writing teachers. Students electing the concentration in creative writing are responsible for completing all the traditional requirements for the major in English.

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

¹On leave full year, except January.

²Part-time.

³On leave full year.

⁴On leave second semester.

⁵On leave first semester.

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. Nongraded. *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. FARNSWORTH AND MR. HARRIS

218 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.* MS. KENNEY AND MR. FARNSWORTH

221d, 222j, 222d 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

- 1d Major American Writers I** An introduction to American literature—the Titans 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
- 2d 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
- 5] 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.*
- 76] Dante in Translation** The *Vita Nuova* and the *Divine Comedy*, drawing on the philosophy, theology, art, and literature of the period. No knowledge of Italian required. *Three or four credit hours.*
- 78 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.* MR. BRANCACCIO
- 7 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. HARRIS
- 8d1 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. KINNEY
- 81 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
- 82 Poetry of the Later Renaissance** An intensive study of such poets as Donne, Jonson, Herbert, and Marvell, with special emphasis on public versus private modes, genre, and social and historical contexts. *Three credit hours.* MR. GREEN
- 833] 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.*
- 834] Restoration Literature** The prose, poetry, and drama of 1660–1700, with special emphasis on the works of John Dryden. *Three or four credit hours.*
- 835] The Romantic Period I: The Major Poets** The poetry and criticism of Wordsworth, Coleridge, Byron, Shelley, and Keats, emphasizing the political, conceptual, and imaginative coherence of Romanticism. *Three credit hours.*

336d1 The Romantic Period II: The Romantic Hero Novels of different periods and literatures, in all of which the central characters reveal "romantic" ways of thinking, acting, and feeling: Goethe's *Sufferings of Young Werther*, Lermontov's *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.* MR. MIZNER

†[337] **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.*

338 Contemporary American Fiction Recent trends in the American novel: the status of the American Dream, modernism, social realism, the metaphysical novel, and meta-fiction. Novels to be studied will include those by Saul Bellow, E. V. Rieu, Doctorow, John Barth, Toni Morrison, William Kennedy, Joan Chase, Walter Abney, and others. An overview of the literary concerns of the age: its psychology, the status of the social institutions, attitudes toward sexuality and gender, class, and race. *Three credit hours.* MR. SADOFF

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

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

†[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, a critical theories of the art and purpose of fiction. *Three credit hours.* MR. KENNEY

354j The American Short Story A history-analysis of the genre that many critics consider the most consistently successful in American literature—the short story. Distinguished writers of short narratives will be studied, from Washington Irving to Ann Beattie, with particular emphasis on such masters as Poe, Hawthorne, James, Hemingway, Salinger, and O'Connor. *Two credit hours.* MR. BASSETT

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

†[356] **Modern American Fiction** Major works of American fiction since 1900—by Faulkner, Hemingway, Fitzgerald, Dos Passos, Steinbeck, Mailer, Nabokov, Bellow, and others—will be analyzed, emphasizing the pattern of experience of the protagonist in conflict with the modern world. *Three credit hours.*

7d2 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.* MR. KANSWORTH

58 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 ep-image and surrealist schools, the New York School, the new formalists, the popular and ethnic poets, including Ashbery, Rich, Strand, Wright, Glück, and others. *Three credit hours.* MR. HARRIS

59] 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.*

61 Comedy and Satire in the Age of Pope and Swift Selected works by Farquhar, Congreve, Defoe, Pope, Swift, Gay, Fielding, and other major writers of the first half of the eighteenth century. *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 through the early Renaissance together with a study of how they were produced. *Three or four credit hours.*

374] The Development of Dramatic Art II A sequel to English 373 from the neoclassic through the modern periods. *Three or four credit hours.*

75d2 Studies in Pre-Modern Drama Topics in this course will vary. Such topics as Roman comedy, Elizabethan revenge tragedy, Renaissance comedy of manners, and romantic drama, as well as other genres and/or individuals, will be studied in the context of production problems as well as literary content. For spring 1986, Molière and restoration comedy. *Three credit hours.* MR. KOONCE

76 Studies in Modern Drama Topics in this course will vary. Such topics as the theater of the absurd, the people's theater, and works of other groups and/or individual writers will be studied in the context of production problems as well as literary content. For 1985–86, the topic will be modern theater in Ireland. *Three credit hours.* MR. BINNIE

[377] Victorian Literature I Major Victorian novelists—Dickens, Brontë, Trollope, Eliot, Hardy. *Three or four credit hours.*

[378] Victorian Literature II Victorian drama (mainly Wilde and Shaw), non-fiction prose (autobiography and social and literary criticism), and poetry (Tennyson, Browning, Arnold). *Three or four credit hours.*

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. Most of the works to be studied were produced before 1800, and the course may be so classified. *Three or four credit hours.* MR. SUTHERLAND

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

[391] **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.*

†[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.*

397 Literature and Psychology A study of literature about the family, self-discovery, the healing process, and the connections among fiction, psychoanalysis and autobiography. Readings will include case histories, narrative theory, family systems theory, and fictions by or about Virginia Woolf, Charles Dickens, Sylvia Plath, Margaret Atwood, Frank Conroy, Nathanael West, D. M. Thomas, H. D., Alice James, and Marie Cardinal. *Three credit hours.* MS. SADOFF

397j Shakespeare's Hamlet: Vision and Revision A comparison of the three texts of *Hamlet* (Quarto 1, Quarto 2, and Folio) in order to see how Shakespeare's vision of the tragedy underwent revision. *Prerequisite:* English 221. *Two credit hours.* MR. BENBOW

398A Art and Oppression The development of gay and lesbian literature in Anglo-American society; how a minority artistically responds to societal oppression that ranges from "invisibility" to censorship and persecution. An examination of the literary response/resistance of gay and lesbian people and their ongoing process of literary self-definition, in the face of what Adrienne Rich has defined as society's "compulsory heterosexuality." Writers whose works will be studied include Oscar Wilde and Radclyffe Hall; H. D., E. M. Forster, Willa Cather, and Virginia Woolf; James Baldwin, Andrew Holleran, Rita Mae Brown, and Audre Lorde. Special issues to be addressed include sexuality and the transformation of literary tradition and convention, the development of an underground culture, the unique vision of the "double minority," and the emergence into the cultural mainstream of a gay and lesbian "political" voice. *Three credit hours.* MS. MANNOCCHI

398B Arthur and the Round Table For a thousand years—from before Geoffrey of Monmouth's *History of the Kings of Britain* to "Prince Valiant" and "Camelot"—the western world has been fascinated by, and has recreated for its own purposes, the

ies of King Arthur and his Knights of the Round Table. An examination of the
ins and development of these legends, using Malory's *Morte d'Arthur* as core text,
ing with other versions by such writers as Wace, Layamon, Twain, White, and
vart. A substantial amount of reading will be required. *Three or four credit hours.*

MACKAY

Teaching Writing and Reading Theory and practice in teaching writing,
e reading, and grammar, and in methods of class discussion and testing. Open to
lents whether or not pursuing the education program. May not be counted
ard the major in English. Nongraded. *Three credit hours.* MRS. SANBORN

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

SADOFF

3 Advanced Fiction Workshop Practice in the writing of short stories and
ger fiction, with major emphasis on student manuscripts. May be repeated once
additional credit. *Prerequisite:* English 317 or 318 or permission of the instructor.
Three credit hours. MR. SADOFF

31] History of Literary Criticism Principles and history of literary criticism,
ient through modern, with attention to Plato, Aristotle, Coleridge, and Eliot. *Three
four credit hours.*

2d1 History of the English Language A brief study of the mechanism of
ech—primarily to explain the connections between western European Romance
d Germanic languages—followed by an examination of the major historical, so-
l, literary, and linguistic reasons for changes in the sound, grammar, spelling, in-
ction, syntax, and vocabulary of the language from the Anglo-Saxon period to
dern American English. *Three or four credit hours.* MR. MACKAY

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

37 The Literature of Existentialism Though emphasizing the novels and
ays of Sartre and Camus, this course also includes works by Dostoevsky, Tolstoy,
elville, Conrad, Beckett, Ionesco, Pinter, Abé, and Percy. Students enrolled for four
redits will do fewer written assignments if they produce one of the plays studied.
Three or four credit hours. MR. MIZNER

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

91, 492 Independent Study Individual projects exploring topics for which the
udent has demonstrated the interest and competence necessary for independent
ork. *Prerequisite:* Consent of a project adviser and permission of the chairman. *One
four credit hours.* FACULTY

493, 494j, 494 Seminars in British and American Literature Topics for 1985-86 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, Internship

-95, -95j, -96 Field Experience or Internship Noncurricular experience with direct, demonstrated relationship to the student's curricular program. Credits earned in field experience or internship may be applied toward requirements for a major only with explicit approval of the chairman of the major department or program. Nongraded, credit or no entry, unless otherwise approved. *Prerequisite:* A formal proposal filed with the field experience coordinator prior to beginning of the project. Praxis. *One to six credit hours (zero to three credit hours in January).*

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 Bundy¹ and Guy Filosof; Associate Professors Charles Ferguson, Jonathan Weiss², Arthur Greenspan, and Jane Moss; Assistant Professor Camille Laparra; Instructor Benoît Melançon³; Lecturer Dace Weiss⁴

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

(1) For students who begin their study of French at Colby with French 141 or higher French 221, 222, 231 (normally taken in the sophomore year), and at least five additional courses numbered above 222, not including 234.

(2) For students who begin their study of French at Colby with French 123; French 141, 142, 231 (normally taken in the sophomore year), and at least five additional courses numbered above 200, not including 234.

(3) Students who begin their study of French with French 121 and who wish to major in French should consult the chairman of the department of modern foreign languages before the end of the second semester of their freshman year.

All majors must complete at least two courses at the 300 or 400 level dealing with French literature before 1900 and two courses at the 300 or 400 level dealing with French literature after 1900. French 232, 235, 272, and 351, while counting toward the major, may not be substituted for the century courses in French literature.

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.

No more than the equivalent of four semester courses of transfer credit may be counted toward the major.

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 of modern foreign languages and the education department.

Student director, Colby in Dijon, first semester.

Student leave second semester.

Student director, Colby in Caen, full year.

Part-time.

123j Practical Phonetics Phonetic analysis and transcription, using the international phonetic alphabet as applicable to French. *Two credit hours.* MR. FERGUSON

121, 122d Elementary French Introduction to the language with emphasis on audio-lingual skills. Presentation of dialogue materials supplemented with visual materials. Use of taped materials in the language laboratory is a regular part of class work. *Two credit hours.* FACULTY

123, 124j, 124d 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

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

121, 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

121, 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
D MR. BUNDY

121 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.* MS. LAPARR.

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.* INSTRUCTOR

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.* INSTRUCTOR

†[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 techniques 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.* MR. FILOSOF

†[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.*

[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.*

*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.

inism, 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.* MS.

SS

7d2 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.* MR. BUNDY

58] 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.*

75] 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.*

76] 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.*

78] 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.*

2 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

41, 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

43, 493j, 494 Seminar in French Literature Topics may cover an author, a genre, or a literary movement. (Fall 1985: Albert Camus. Spring 1986: Jean-Jacques Rousseau.) *Prerequisite:* Permission of the instructor. *Three credit hours.* MR. WEISS
AND MR. GREENSPAN

41, 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

41, 542 Poetics Analysis of the structure and styles of poetry; second semester 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*. FACULTY

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

Professors Allen and Harold Pestana; 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 language 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 second schools; the requirements are: Geology 141, 142, 215, 251, 292, 311 (or 312), 351, 1; Chemistry 141.

The **Environmental Science Option** is designed to provide students with a core geology courses supplemented by related courses from other departments. The requirements are: Geology 141, 142, 215, 311, 494; Biology 121, 122, 271; Chemistry 1, 142, 217 (or any of the following: 241, 242, 331, 332); Mathematics 121, 241 or 1; 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 6), 232, 333, 351, 354; Mathematics 122, 242, 382; Physics 122 or 142; Economics 3, 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.

141, 142 Introduction to Geological Science The physical Earth and its past. Emphasis in 141 is on earth materials and physical processes; 142 is devoted 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 mandatory field trips. *Four credit hours.* MR. NELSON

151j 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 geological 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.* MR. PESTANA

176j 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.*

175 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

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

151 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.* MR. PESTANA

254 Advanced Invertebrate Paleontology A laboratory course involving 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.* MR. PESTANA

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.* 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.*

†[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.*

331 Tectonics Large-scale features and physical processes of the crust, mantle and core of the earth are discussed, and the constraints imposed by several areas of research are summarized. In this setting, the concepts of plate tectonics are explained and applied. *Prerequisite:* Geology 232 and Physics 122 or 142, or permission of the instructor. *Three credit hours.* MR. DOLL

33 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.* MR. DOLL

36 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, or permission of the instructor. *Four credit hours.* MR. DOLL

1 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. 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. Radiometric techniques will also be examined, with particular attention to their applicability and reliability. Lecture only. *Prerequisite:* Geology 142, Chemistry 141. *Two credit hours.*

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.*

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 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.* MR. NELSON

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

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 relationship and correlation of sedimentary rocks. Laboratories include work with index fossil and a detailed analysis and correlation of well samples. Lecture and laboratory. *Prerequisite:* Geology 251 and 311. *Four credit hours.* MR. PESTANA

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 Kueter¹, James McIntyre², and Peter Nutting; Assistant Professor Margrit Lichterfeld

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 of modern foreign languages and the education department.

¹Resident director, Colby in Lübeck, second semester.

²Part-time second semester only.

121, 121j, 122 Elementary German 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.* FACULTY

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, West 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: *three credit hours*). FACULTY

2 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*. INSTRUCTOR

125] 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*.

121, 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 and conversation. *Prerequisite:* German 124 equivalent. *Four credit hours*. MR. NUTTING

125] 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*.

123, 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*.

123d1 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. KUETER

123, 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*.

125] Topics in Eighteenth-Century German Literature Literature of the classical period: Lessing, Goethe, and Schiller. *Four credit hours*.

125] Topics in Nineteenth-Century German Literature The German romantic movement. *Four credit hours*. MR. NUTTING

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

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 1986: A study of the works of Franz Kafka.) *Four credit hours.* MS. LICHTERFELD AND MR. NUTTING

Government

Chairman, PROFESSOR L. SANDY MAISEL

Professors Albert Mavrinac¹, Guenter Weissberg², William Cotter³, and Maisel; Associate Professors Charles Hauss, Calvin Mackenzie³, and Roger Bowen; Assistant Professor Pamela Blake; Instructor Beverly Hawk; Lecturer Morton Brody⁴

The department of government offers a wide range of courses in American government and politics, comparative government and politics, transnational political theory, and research methods and quantitative analysis. The department's goals include exposing students to a variety of forms of governments and of international governmental activities and to the means for studying these governments and their actions.

Internships are encouraged, so that students can experience the practical as well as the more theoretical aspects of the field. The interdisciplinary program in public policy also furthers this goal. In addition, for those students who intend to pursue the study of government in more depth, the department offers an honors program which emphasizes substantial independent research under the close guidance of one or two members of the faculty. Successful completion of this program will result in the degree being awarded "With Honors in Government."

Requirements for the Major in Government

Ten semester courses in government, including Government 111 and 112, a senior seminar, a course in the subfield of political theory and analysis, and at least one course in two of the other three subfields defined below. No more than four of these courses may be taken at institutions other than Colby, and none of those courses may count toward the distribution requirements within the major. All government courses count toward the grade point average needed to retain the major. Government courses for completion of the major may not be taken on a pass/fail basis.

Subfields for departmental distribution requirements: Political Theory and Analysis: Government 213, 218, 219, 316, 412, and 417. American Government and Politics: Government 273, 275, 276, 313, 314, 317, 319, 356, 392, 432, 433, 434, 438, and Public Policy 493. Comparative Government and Politics: Government 234, 237, 254, 271, 277, 318, 332, 333, 353, 357, 358, 413, 473, and 477. Transnational Politics: Government 215, 331, 336, 338, 416, 457, and 458.

Attention is called to the interdisciplinary program in public policy.

¹On leave except one course each semester.

²On leave second semester.

³Part-time first semester only.

⁴Part-time second semester only.

1j January in the Soviet Union A trip to the Soviet Union focusing on political and social affairs. Enrollment limited. *Prerequisite:* Permission of the instructor. *Noncredit.* MR. HAUSS

1 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

2 Comparative Politics: An Introduction to Politics Outside the United States An analysis, through case studies, of the major dimensions of domestic and international 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

15j] 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.*

6j Politics and Language The relationships between politics and language. How is the process of naming reality an exercise in power? If language is a field of political relations, then what are the implications for movements seeking to bring about the realization of democracy? *Two credit hours.* MS. BLAKE

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 these 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.*

19j] An Analysis and Comparison of the Major Interpretations of Japanese Society Classic general interpretations of Japanese society as well as specific topics such as prewar village life, city life in Japan, and contemporary Japanese business and labor organizations. *Three credit hours.*

32] 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.*

13 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.* MS. BLAKE

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 or four 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.* MS. BLAKE

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. HAWK

234 European Politics An introduction to comparative political analysis and the politics of Great Britain, France, Italy, and the Federal Republic of Germany. Enrollment preference given to majors in government. *Four credit hours.* MR. HALL

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 proponent of liberal democracy and those favoring an oligarchic, authoritarian government system. Throughout the study, we will seek to locate the roots of Japanese democracy and militarism. *Three or four credit hours.* MR. BOWEN

239j 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." Formerly listed as Government 297j. Enrollment limited. *Three credit hours.* MR. HAUSS

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 War and Revolution in Vietnam** The significance of the Vietnam War; the Vietnamese Revolution as it compares with other revolutions; and the impact of the war on American politics and public policy. Enrollment limited. *Three or four credit hours.* MR. BOWEN

†[273] **The American Congress** The organization, powers, and actions of the legislative branch of the American government examined in historical and contemporary perspective. *Prerequisite:* Government 111 or permission of the instructor. *Three or four credit hours.*

- 5j The Committee System in the United States Congress** An examination of a 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 evaluation. *Prerequisite:* Government 111. *Three credit hours.* MR. MAISEL
- 76] The American Presidency** The organization, powers, and actions of the executive branch of the American government examined in historical and contemporary perspective. Special emphasis on case analysis and role playing; laboratory participation required. Enrollment limited. *Prerequisite:* Government 111. *Four credit hours.*
- 77] 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.*
- 95j Internship** Month-long internships in offices such as those of attorneys, congressmen, senators, and state legislators. Praxis. *Two or three credit hours.* CULTY
- 13 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
- 14 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. *Three credit hours.*
- 17 The Policymaking Process** An examination of the policymaking 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. *Prerequisite:* Government 111 or permission of the instructor. *Three or four credit hours.* INSTRUCTOR
- [318] 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. *Prerequisite:* Government 234 or 317. *Three or four credit hours.*
- 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. Topic will include the Third United Nations Conference on the Law of the Sea UNCLOS (III) and the convention which was concluded, 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 Political change in selected "Third World" nations, including revolution and counterrevolution in Latin America; development in South Africa, the Israeli-Palestinian conflict, and the role and influence of the United States in such change. *Prerequisite:* Government 112 or permission of the instructor. *Three or four credit hours.* MR. BOWEN

[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. *Prerequisite:* Government 215. *Three credit hours.*

338d1 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. *Prerequisite:* Government 215. *Three or four 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. *Prerequisite:* Government 112 or 234. *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. *Prerequisite:* Government 112. *Three or four credit hours.* MR. MAISEL

†**[357] Democracy and Fascism** The relationship between democracy and fascism, involving case studies of the governments of Japan, Italy, Germany, France, Argentina, and/or Chile, and the factors that facilitate change from one system to the other. Enrollment limited. *Prerequisite:* Junior or senior standing as a government or East Asian studies major. *Three or four credit hours.*

358 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. BOWEN

7] Special Problems in Local Government Problems vary from year to year, 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.*

12] 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. *Prerequisite:* Government 111. *Three credit hours.*

4 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

7 North/South Relations The schism between north and south has ramifications for all of the issues we study in international relations. This course will provide critical examination of the most important theoretical approaches to north/south relations. The course will contrast the economic and political positions of states with differing economies. In this way, students can begin to understand the factors which influence the relations between advanced industrial states and states with other economic histories. *Three or four credit hours.* MS. HAWK

8 Directions in Feminist Theory Women's economic, social, and cultural movement over the past 15 years has challenged socioeconomic hierarchies and the knowledge(s) that sustain them. The scope and dimensions of feminist theories of sexual difference and sexual freedom. *Three or four credit hours.* MS. BLAKE

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.*

3 Seminar in Comparative Politics The state of industrialized society. The problems, prospects, and processes of foreign and domestic policymaking in the Soviet Union, the United States, and France. *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 the phenomenon. *Three or four credit hours.* MR. BOWEN

[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 **American Government and the Press** The philosophical, ethical, historical, political, and legal relationships between the United States government and the press. Recent case studies, electronic as well as print media, politics, and policymaking. Enrollment limited. *Prerequisite:* Government 111 or permission of the instructor. *Three or four credit hours.* MR. MAISEL

†[434] **Women in American Politics** The role of women in contemporary American politics; controversial issues which relate particularly to women, and the way in which the government addresses those issues. How a social movement becomes a political movement; how social issues become part of the political agenda. Enrollment limited. *Prerequisite:* Government 111 or permission of the instructor. *Three or four credit hours.*

[438] **Seminar in Policy Advocacy** Intensive study of selected public policy issues and the techniques of policy advocacy; emphasis on oral presentations of policy positions. Enrollment limited. *Prerequisite:* Government 317 or permission of the instructor. *Three or four credit hours.*

452 **Seminar on the Courts and the Community** The roles played by the various actors, i.e., the prosecutor, and the legal processes. Enrollment limited. *Prerequisite:* Government 111 and permission of the chairman of the government department. *Three or four credit hours.* MR. BRODY

†[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.*

[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. *Four credit hours.*

[473] **Seminar in African Politics** Focus on a selected issue relevant to contemporary Africa's problems and future. *Four credit hours.*

*477 **Seminar in East Asian Politics** A focus on the demise of Japanese democracy in the 1930s 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.* MR. BOWEN

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*.
JLTY

492 Independent Study A study of government through individual project. *Prerequisite:* Government major and permission of the department chairman or instructor. *One to four credit hours*. FACULTY

Contemporary Social Theory Developments in contemporary interpretation and criticism. Particular attention to the problem of symbolic violence as it is addressed within the fields of critical theory, (post)structuralist criticism, psychoanalytic and feminist theory. *Three or four credit hours*. MS. BLAKE

Greek

In the department of classics.

111j Introductory Greek Introduction to Homeric Greek. *Four credit hours*.
S DE VITO

Intermediate Greek Readings in Homer's *Iliad*. *Four credit hours*. MR. PORTER

Introduction to Greek Literature The *Odyssey* of Homer. Successful completion of this course fulfills the College language requirement. *Prerequisite:* Greek 111j. *Three credit hours*. MRS. KOONCE

Attic Prose Readings in Herodotus. *Three or four credit hours*. MRS. KOONCE

1] **Greek Literature** Thucydides. *Three or four credit hours*.

2] **Greek Literature** Sophocles. *Three or four credit hours*.

3] **Greek Literature** Demosthenes. *Three or four credit hours*.

4] **Attic Poetry** Euripides. *Three or four credit hours*.

55] **Greek Literature** Herodotus. *Three or four credit hours*.

6] **Greek Literature** Plato. *Three or four credit hours*.

4] **Seminar** Attic orators. *Three or four credit hours*. MR. PORTER

492 Independent Study Reading in a field of the student's interest, with papers and conferences. *One to three credit hours*. FACULTY

3] **Seminar** Aeschylus. *Three or four credit hours*. MR. WESTERVELT

History

Chairman, PROFESSOR HAROLD RAYMOND

Professors Frederick Gillum and Raymond; Visiting Professors Jack Foner¹ and Rhet Jones²; Associate Professors Robert Kany³, Lee Feigon, and Richard Moss; Assistant Professors Marilyn Mavrinac⁴, Joel Bernard⁴, Jane Hunter⁴, Robert Weisbrot⁵, Dallas Browne and Lindsay Wilson

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.

¹First semester only.

²Part-time, first semester only.

³On leave full year except January.

⁴Part-time.

⁵On leave first semester.

111 Cultural History of Europe I A survey of principal trends in European history from the fall of Rome to the eighteenth century; political, intellectual, and cultural developments. Selections from the works of major social thinkers such as Thomas Aquinas, Calvin, Machiavelli, and Locke. *Three credit hours.* MS. WILSON

112 Cultural History of Europe II A survey of principal trends in European history from the eighteenth century to the present; political, intellectual, and cultural developments. Selections from the works of major social thinkers such as Marx, Darwin, and Freud. *Three credit hours.* MS. WILSON

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. MOSS

151, 152 Self, State, and Society in East Asia Listed as East Asian Studies 151, 152 (q.v.). *Four credit hours.* MR. FEIGON AND INSTRUCTOR

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: 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. Enrollment limited. *Three credit hours.* MS. MAVRINAC AND MR. KANY

[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.*

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.* MR. FEIGON

†[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.*

217j The Administration of John F. Kennedy A case study in presidential leadership. *Three credit hours.* MR. WEISBROT

[218] **Recreating the Past** Methods of interpreting the record of past events; focusing on the works of professional historians, and including novelists and others who have contributed to the understanding of history. *Three or four credit hours.*

231d2 Medieval History, 500-1300 A survey of the society and culture of the Middle Ages. Topics include feudalism, monasticism, the proprietary church system, the agricultural revolution, the Crusades, the rise of national monarchies and the struggles between church and state, scholasticism, troubadour poetry, and Gothic cathedrals. *Three or four credit hours.* MS. WILSON

232d1 Renaissance and Reformation, 1300-1600 A survey of the movements for ethical, political, and religious reform in Europe and their impact on the family, the church, and the state. Topics include humanism, the rise of capitalism, art and patronage, education and printing, the search for utopias, and the realities of social disorder and political conflict. *Three or four credit hours.* MS. WILSON

[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.*

236 History of Women in Europe European women's roles and experiences from the early nineteenth century through the second world war. The interaction of industrialization, wars, and reform movements with women's evolving legal and social positions. Focus on issues in France and Britain, with comparative readings on German and Russian women. *Three or four credit hours.* MS. MAVRINAC

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.*

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.*

257 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. HUNTER

†[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.*

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. FONER

[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.*

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

311j Tutorial in History Individual or small group sessions, especially for juniors. In 1985 the tutorial will be centered around great books from a number of cultures and time periods, addressing questions of continuing interest and concern. Enrollment limited. *Prerequisite:* Permission of the instructor. *Three credit hours.* MR. MOSS

312 The Atlantic Revolutions A comparative evaluation of the origins, stages of development, and significance of the French and American revolutions from circa 1750 to 1815; theories of revolution and historiography of the "Atlantic" revolutions. *Prerequisite:* Permission of the instructor. *Three or four credit hours.* MR. MOSS AND MR. RAYMOND

[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.*

316 The Second World War A military and social analysis of the events and forces in the war of 1939-1945 as it affected the countries and the people involved, focusing on the European theatre of operations. *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.*

334 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.* MR. GILLUM

*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.* MR. GILLUM

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

351d2 The Age of Reason and Enlightenment An examination of the scientific revolution and its impact on the social, ethical, and political thought of the Enlightenment. The relationship between science and capitalism, religion, and the occult will be explored. Readings from Galileo, Bacon, Descartes, Locke, Voltaire, Rousseau, and Diderot. *Three or four credit hours.* MS. WILSON

[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.*

353d2 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.* MS. HUNTER

[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.*

*357 **Modern Germany** The political and economic development and the international influence of Germany from 1806 to 1945. *Three credit hours.* MR. GILLUM

[358] **Modern France, 1815-1946** A survey of French political history from the restoration of the monarchy to the reresoration 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.*

372d1 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. BERNARD

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. BERNARD

[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.*

[392] **The Industrial Revolution** The comparative social and economic history of industrialization in Europe and America, from 1750 to 1900. *Three credit hours.*

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.* MR. MOSS

415 Seminar in American History Specific topics in American history. In 1985-86, reading and research in nineteenth- and twentieth-century history. *Prerequisite:* Permission of the instructor. *Three or four credit hours.* MS. HUNTER

416 Seminar in American History Specific topics in American history. In 1985-86, "The Beauties of Biography," the art of historical biography. Reading and comparison of biographies; the writing of biographical pieces based on individual research. *Prerequisite:* Permission of the instructor. *Three or four credit hours.* MR. MOSS

[417] **Seminar in Diplomatic History** Specific topics in diplomatic history. *Prerequisite:* Permission of the instructor. *Three or four credit hours.*

419 Seminar in Medieval and Early Modern History Reading and research in topics in Medieval, Renaissance, or early modern European history. *Prerequisite:* Permission of the instructor. *Three or four credit hours.* MS. WILSON

432d1 Seminar in Black History "American Social Movements." *Prerequisite:* Permission of the instructor. *Four credit hours.* MR. FONER

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 instructor. *Three credit hours.* MR. WEISBROT AND MR. MIZNER

Human Development

Acting Director, PROFESSOR JONAS ROSENTHAL

STEERING COMMITTEE: Professors Miriam Bennett (*Biology*), Yeager Hudson (*Philosophy*), Nicholas Rohrman (*Psychology*), and Rosenthal (*Sociology*)

ADVISORY COMMITTEE: Professors Thomas Easton (*Biology*), Frederick Geib (*Sociology*), Harold Jacobson (*Education*), Diane Kierstead (*Psychology*), Lewis Lester (*Psychology*), Francis Parker (*Philosophy*), Robert Reuman¹ (*Philosophy*), Sonya Rose (*Sociology*), and six students.

A multidisciplinary study of the origin and development of man and woman. Academic aims of the program are to provide an understanding of the development of humans as biological and psychological organisms; an appreciation of the relationship between individuals and their 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.

¹On leave full year.

394 Seminar The study of multidisciplinary perspectives on problems in human development. *Two credit hours.* INSTRUCTOR

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 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.* MR. FERGUSON

†[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.*

January Program

002j Emergency Medical Technician Training Intensive training in basic techniques practiced in emergency medicine. Theory and practical exercises given in conjunction with Kennebec Valley Vocational Technical Institute. *Prerequisite:* Permission of the faculty sponsor. *Noncredit.* INSTRUCTOR

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 depart-

ent 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.

101, 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. PRINDLE

103, 124 Intermediate Japanese A continuation of the methods and goals used in elementary Japanese. *Prerequisite:* Japanese 122. *Four credit hours*. MS. PRINDLE

201, 271 Japanese Literature in Translation A survey of important works of Japanese literature. *Three or four credit hours*. MS. PRINDLE

202, 272 Japanese Literature in Translation A survey of important works of Japanese literature. *Three or four credit hours*. MS. PRINDLE

301, 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. PRINDLE

401, 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.

101 Intensive Elementary Latin An intensive course in Latin grammar and syntax. *Four credit hours*. MR. WESTERVELT

102 Intermediate Latin Selected readings from Cicero. *Three credit hours*. MR. WESTERVELT

103 Introduction to Latin Literature Readings in Livy. *Three credit hours*. MRS. MOONCE

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.*

351d2 **Latin Literature** Lucretius. *Three or four credit hours.* MRS. KOONCE

[352] **Latin Literature** Livy. *Three or four credit hours.*

353 **Latin Literature** Roman elegy and lyrics. *Three or four credit hours.* MISS VITO

[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.* MR. WESTERVE

[357] **Latin Literature** Horace: *Odes* and *Ars Poetica*. *Three or four credit hours.*

[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 MAVRINAC¹

ADVISORY COMMITTEE: *Professors William Cotter (Government), Frederick Gautschi (Administrative Science), Frederick Gillum (History), Sandy Maisel (Government), Mavrina (Government), Robert McArthur (Philosophy), James Meehan (Economics), Sonya Ross (Sociology), and Guenter Weissberg² (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 and 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.

related subjects. Two are members of the bar; one is a specialist in the law of the United States; 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 for professional preparation for law and government service, and should avoid over-concentration on law-related courses as undergraduates.

Courses Offered in the Legal Studies Program

Administrative Science: 354 Law.

Economics: 312 Topics in Law and Economics; 331 Industrial Organization and Antitrust 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 States and the World.

History: 338 A Constitutional and Legal History of Medieval England.

Philosophy: 118 Central Philosophical Issues: Philosophy of Law.

Students may take a maximum of one course each semester.

Students may take a maximum of two courses in the second semester.

Linguistics

In the department of modern foreign languages.

11] Introduction to Linguistics A multidisciplinary introduction to language, covering phonetics, morphology, syntax, language acquisition, and genealogical and sociological 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.*

12] 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.

13] Greek Myth and Literature Listed as Classics 133 (q.v.). *Three or four credit hours.* MR. WESTERVELT

***177 Greek Tragedy** Listed as Classics 177 (q.v.). *Two or three credit hours.* MR. DE VITO

***178 The Epic Tradition** Listed as Classics 178 (q.v.). *Two or three credit hour* MR. PORTER

[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.*

[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.* MR. ANEMONE

251, 252 Introduction to Chinese Literature in Translation Listed as Chinese 251, 252 (q.v.). *Three credit hours.* MR. KEENAN

271, 272 Japanese Literature in Translation Listed as Japanese 271, 272 (q.v.). *Three or four credit hours.* MS. PRINDLE

[276] Dante in Translation Listed as English 276 (q.v.). *Three or four credit hours.*

***278 Italian Fiction and Film** Listed as English 278 (q.v.). *Three credit hours.* MR. BRANCACCIO

†**[373, 374] The Development of Dramatic Art I, II** Listed as English 373, 374 (q.v.). *Three or four credit hours.*

375d2, 376 Studies in Drama Listed as English 375, 376 (q.v.). *Three credit hours.* MR. KOONCE AND MR. BINNIE

437 The Literature of Existentialism Listed as English 437 (q.v.). *Three or four credit hours.* MR. MIZNER

Mathematics

Chairman, ASSOCIATE PROFESSOR HOMER HAYSLETT

Associate Professors Donald Small¹, Hayslett, and David Kurtz; Assistant Professors Dale Skrien, Carol Bassett², John Hosack, Kenneth Lane, John Gimbel¹, and Robert Kurtz; Lecturer Jonathan Allen²

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 sup

for their chosen major; or (3) elect to take mathematics as part of their liberal arts education or to partially fulfill the science requirement.

Many mathematics majors in recent years have entered graduate school to do advanced work in such areas as mathematics, statistics, computer science, bio-mathematics, 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: Computer Science 231 or mathematics courses numbered 300 or above.

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, 321 (advanced placement or high school background would determine where a student should enter the sequence).

Requirements for the Major in Mathematics with a Concentration in Computer Science

Computer Science 125, 132, 231; Mathematics 128 or 221; 124 or 222; 361, 362 or 363; 401, 402; three additional credit hours at the 400 level in mathematics; and at least five additional credit hours in 300-level or 400-level courses in either computer science or mathematics.

Attention is called to the interdepartmental majors in administrative science-mathematics, economics-mathematics, philosophy-mathematics, and psychology-mathematics.

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

on leave full year.
part-time.

1j Pre-Calculus Absolute values; equations of lines, circles, and parabolas; functional notation; combining functions; graphing functions; applications of functions to word problems; polynomial and rational functions; trigonometric functions of angles; trigonometric functions of real numbers. *Noncredit.* INSTRUCTOR

1 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; logical reasoning; topics from geometry. *Three credit hours.* MR. HAYSLETT

2 Non-calculus Statistics Description of data, confidence intervals, tests of hypotheses, non-parametric statistics, correlation and regression (including multiple regression), use of computer statistical packages. *Four credit hours.* MR. HAYSLETT

5j Finite Mathematics Selected topics from modern mathematics, including probability, logic, linear programming, and the theory of games. Statistics is not required but is offered in other courses. *Three credit hours.* INSTRUCTOR

21d Calculus I Differential and integral calculus of one variable: limits and continuity, differentiation and its applications, antiderivatives, the definite integral and its applications. Students electing this course must take the mathematics placement test during freshman orientation. *Four credit hours.* FACULTY

122d Calculus II Further study of differential and integral calculus of a 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. Recommend 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. Students enrolling in this course must take the mathematics placement test during freshman orientation. *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.* MR. D. KURTZ

[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.*

197 Freshman Seminar I An introduction to some of the basic ideas of mathematics: conjectures, refutations, proofs. Topics may include number theory, set theory, recursion, combinatorics, geometry. *Prerequisite:* Freshman standing and permission of the instructor. Nongraded. *One credit hour.* INSTRUCTOR

198 Freshman Seminar II Topics may include number theory, set theory, recursion, combinatorics, geometry. *Prerequisite:* Freshman standing and permission of the instructor. Nongraded. *One credit hour.* INSTRUCTOR

221d Linear Algebra Solutions of linear systems of algebraic equations and matrix algebra. Also an introduction to linear spaces and linear transformation 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

222 Multivariable Calculus Topics in multivariable calculus. May not be taken for credit if the student has earned credit for Mathematics 124. *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 economic problems. May not be taken by students who have taken Mathematics 241. *Prerequisite:* Mathematics 121 or 123. *Four credit hours.* MR. VERMEULEN

142, 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 AND INSTRUCTOR

141 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. R. KURTZ

142 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*.

145 Introduction to Mathematical Systems Qualitative discussion of the structure 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*.

132 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*. INSTRUCTOR

135 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*.

151, 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. LANE

172 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

178 Introduction to the Theory of Computation Formal languages, computability, non-computability, complexity classes, propositional calculus, predicate

calculus. *Prerequisite:* Computer Science 125, Mathematics 128 or 221. *Three credit hours.* INSTRUCTOR

381, 382 Mathematical Statistics Random variables, special probability distributions, moment generating functions, maximum likelihood estimators, sampling distributions, regression, tests of hypotheses, confidence intervals, linear model analysis of variance. Although applications are discussed, emphasis is on theory. *Prerequisite:* Mathematics 124 or 222. *Three credit hours.* MR. HOSACK

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. SKRIEN

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. SKRIEN

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. *One to four credit hours.* FACULTY

Modern Foreign Languages

Chairman, ASSOCIATE PROFESSOR JONATHAN WEISS¹

*Professors Jean Bundy*², *Henry Holland*³, *Francisco Cauz*⁴, and *Guy Filosof*; *Associate Professors Hubert Kueter*⁵, *Charles Ferguson*, *Priscilla Doel*, *Weiss*¹, *James McIntyre*⁶, *Arthur Greenspan*, *Peter Nutting*, and *Jane Moss*; *Assistant Professors Camille Laparra*, *Jorge Olivares*, *James Airozo*, *Anthony Anemone*, and *Margrit Lichterfeld*; *Instructors Benoit Melançon*⁷, *Marcia Tardito*, *Javier Gonzalez-Alonso*, *David Keenan*, and *Tamae Prindl*; *Lecturers Barbara Nelson*⁸ and *Dace Weiss*⁸

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, to participate in one of Colby's language semester programs (Mexico, France, Germany), 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 background leading to a wide variety of careers. Some students go on to pursue advanced degrees in languages and literatures. 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, com

ning their study of Russian with another area of concentration (another language, literature, art, economics, history, music, philosophy, or sociology).

Teacher Certification: Students desiring certification for teaching French, German, Spanish must take Modern Foreign Languages 411, and may in some cases be required to take other specified courses.

in leave second semester.

resident director, Colby in Dijon, first semester.

resident director, Colby in Cuernavaca, first semester.

resident director, Colby in Salamanca, full year.

resident director, Colby in Lübeck, second semester.

part-time second semester only.

resident director, Colby in Caen, full year.

part-time.

11 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. Nongraded. *Prerequisite:* Two 200-level modern foreign literature courses. *Three credit hours.* MR. GREENSPAN

91, 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 Heinrich¹, Dorothy Reuman², and Machlin; Assistant Professors Bryan Gilliam, Jonathan Hallstrom, and Rebecca Gerber

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. 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.

¹On leave full year.

²On leave second semester; part-time first semester.

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 assignment 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., Kern, Gershwin, Porter), 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.*

†[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.* MS. GERBER AND INSTRUCTOR

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

1, 192 **Applied Music: Individual Study** Instruction in voice and instruments for qualified students. Possible offerings, depending upon demand, include voice, guitar, harpsichord, organ, piano, violin, viola, violoncello, and voice. For additional information concerning scheduling and related matters, see the applied music department 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. *Axis. One or two credit hours.* STAFF

3, 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. *Axis. One credit hour.* STAFF

18 **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 the field, 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 1 or 153 or 181. *Three credit hours.* MR. GILLIAM AND MR. LUBIN

1, 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.* MS. GERBER AND MR. MACHLIN

231] **Jazz** Jazz between 1900 and 1950: the stylistic development of various genres (New Orleans jazz, the blues, stride piano music), analyses of the music 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.*

37 **Major Composers** An examination of the life and representative significant works of two composers. (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

38 **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 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.* MRS. REUMAN

[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.*

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*. 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 flute, guitar, harpsichord, organ, piano, violin, viola, violoncello, and voice. For additional information concerning scheduling 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 Choral, 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

[4315] Women Composers, Eighteenth Century to the Present A survey of women composers, including analyses of representative works by Louise Farrenc, Fanny Mendelssohn (Fanny Schumann), Mrs. H.H.A. Beach, Mabel Daniels, Marie Bauer, and others. Enrollment limited. *Prerequisite* Music 222 or permission of the instructor. *Three credit hours*

[4331] 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 or texts of Shakespeare. Enrollment limited. *Prerequisite* Music 222 or permission of the instructor. *Three credit hours*

[4334] 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, First Concord, Mahler, and others). Enrollment limited. *Prerequisite* Music 222 or permission of the instructor. *Three credit hours*

4335 Music of Vienna, 1890-1910 An overview of Viennese music at the turn of the century, examining representative works by Strauss, Mahler, Schoenberg, 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*. MR GILLIAM

36] 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.*

71] 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.*

73] 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.*

74 Conducting and Score Reading Basic conducting techniques and their application to stylistic interpretation, designed to develop the student's ability to read full instrumental or choral score with fluency and insight. In addition to practice 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 addition. Formerly listed as Music 378. Enrollment limited. *Prerequisite:* Music 281 or permission of the instructor. *Three credit hours.* MR. HALLSTROM

91, 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.*

99d 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, there are no fees for declared music majors. At the time this course catalogue went to press, the question of fees for other students was under review. Although the College may be able to waive fees for some additional students, normally 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. In order to elect Music 191, 192, 193, 194, 291, 292, 293, 294, the faculty or staff member designated as applied music coordinator must be consulted; however, individual lessons are scheduled in consultation with the appropriate applied music associate.

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.

Performing Arts

Chairman, PROFESSOR HOWARD KOONCE¹

*Professor Koonce*¹; *Associate Professor Eric Binnie*; *Adjunct Associate Professors Stephen Woody, Christine Mitchell-Wentzel, and Richard Sewell*

*ADVISORY COMMITTEE: Professors Mark Benbow*² (*English*), *Binnie* (*Performing Arts and English*), *Patrick Brancaccio* (*English*), *Koonce*¹ (*English and Performing Arts*), *Pat Machlin* (*Music*), *Mitchell-Wentzel* (*Performing Arts*), *Sewell* (*Performing Arts*), *Davis Simon* (*Art*), and *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. A 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

I: Performing Arts 121, 171, 313, 314, and one of the following: 272, 372, 253, 353 or 453.

II: Three 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, 162, 261, 262, 275, or any period of art history; in literature Classics 232 Greek Tragedy; English 278 Italian Fiction and Film, English 333 Topic in Renaissance Drama, English 334 Restoration Literature, English 373, 374 The Development of Dramatic Art I, II, English 375 Studies in Pre-Modern Drama, 376 Studies in Modern Drama, English 383, 384 Studies in Shakespeare, English 397 Shakespeare's *Hamlet*, 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 49:

schylus; Latin 232 Readings in Terence, Latin 251 Roman Drama, Latin 371 Terence; or in music: 111, 133, 153, 181, 182, 218, 231, 238, 278, 331, 335, or any period course in music history.

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.

Significant participation in performance (design, direction, acting, dance) in three semesters. Requirement can be met with Performing Arts 291, 292, 293, 294, 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.

Can leave first semester.

Can leave full year, except January.

13j 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

11d, 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

53j 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 play 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.*

71 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. BINNIE, 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.*

†[212] **Fundamentals of Stage Managing and Directing** The basic technique of staging dramatic scripts. *Three credit hours.*

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 sequence of scenes. Limited enrollment. *Prerequisite:* One course in the literature or the performing arts, any performing arts course, or permission of the instructor. *Three credit hours.* MR. SEWELL

231d2 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 in 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

232d1 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 (ballroom 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] **Stage Costume Design** Line, form, movement, color, characterization and rendering in stage costume design, in conjunction with appropriate scenographic theory. Whenever practicable, students will be involved in practical theatrical costuming. *Three credit hours.*

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.* MS. MITCHELL-WENTZEL

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, 254 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.* MR. SEWELL

4 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

1, 292 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

3, 293j, 294 Applied Theater Optional credit for significant participation in productions, applied workshops, or performances staged in conjunction with classes 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.*
CULTY

311] 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.*

313] Theater History A historical survey of the theory and practice of staging drama from the Greek through the modern period, focusing on problems arising from the realization of dramatic texts in conjunction with historical records. *Three credit hours.*

14] Studies in Theater History Detailed study of specific problems in theater history. The focus will change from year to year according to the interests of the students. *Prerequisite:* Performing Arts 313. *Three credit hours.*

41, 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

53 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

54j, 354 Drama in Performance III See description for Performing Arts 153. *Prerequisite:* All registrants must be members of the cast or crew. *Three credit hours.*
CULTY

172 Topics in Acting The special challenges and demands of acting in particular kinds of plays and/or plays from particular periods or cultures. For 1985-86: Shakespeare Ensemble, an exploration of performance choices in the interpretation of selected scenes from Shakespeare's plays with emphasis on the ensemble aspects. Brief repertoires may be presented, but the emphasis will be on process rather than production. Enrollment limited. *Prerequisite:* Performing Arts 171 and permission of the instructor. *Three credit hours.* MR. BINNIE

453 Dance Repertory III See description for Performing Arts 253. *Prerequisite:* Performing Arts 341, 342 (may be taken concurrently), participation in College Dancers, or permission of the instructor. *Three credit hours.* MS. MITCHELL-WENTZ

454j, 454 Drama in Performance IV See description for Performing Arts 15. *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

[494] Senior Seminar An interdisciplinary, culminating seminar for performing arts majors. Specific subject matter will be selected for each class to enable designer-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.*

Philosophy

In the department of philosophy and religion.

Chairman, PROFESSOR YEAGER HUDSON

Professors Robert Reuman¹, Francis Parker, Hudson, Robert McArthur², and Thomas Longstaff; Visiting Associate Professor James Anderson; Assistant Professors Michael Birkel and Daniel Cohen; Lecturer Deborah Soifer³

"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 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 353.

In mathematics: at least 18 credit hours, including 221, 222, 361.

Physics 141, 142 is recommended for the major.

at least one independent study project in mathematics or philosophy, of at least one credit hour, 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.

1 leave full year.

2 part-time second semester only.

3 part-time.

1 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

3d2 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.* MR. HUDSON

4d 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. HUDSON AND MR. PARKER

16] 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.*

18 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.* MR. MCARTHUR

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.*

137j Philosophy of Art The nature of art and the basis of our judgments about art. Concepts of imitation, expression, form, institution, aesthetic attitude, and objective reasons as they relate to the arts. *Two credit hours.* MR. ANDERSON

152d Logic The techniques of formal reasoning in a symbolic context, and the 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 racial relations, violence in American society, international conflict, and conflict resolution. *Three credit hours.*

[173] **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.*

197 Atheism, Deism, and Other Heresies Listed as Religion 197 (q.v.). Enrollment limited to freshmen. *Three credit hours.* MR. BIRKEL AND MR. COHEN

211 Moral Philosophy Consideration of various philosophical theories about the bases of judgment on questions of good and bad, right and wrong, with less attention to the application of ethical principles to problem cases. *Three or four credit hours.* MR. ANDERSON

234 History of Science A survey of the growth of scientific theories from the Aristotelian-Ptolemaic world view through Newton's mechanical philosophy and Darwin's theory of evolution. *Three credit hours.* MR. COHEN

†[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. *Prerequisite:* Philosophy 152 or permission of the instructor. *Three credit hours.*

[277, 278] **Philosophical Perspectives** Interdisciplinary considerations on various topics, involving lecturers from several departments. *Three credit hours.*

[293] **Seminar on Socrates** The character, teaching, and influence of Socrates, using Plato's Socratic dialogues, Xenophon, Aristophanes, and modern critical interpretations. *Three credit hours.*

294 Seminar on Aristotle's Ethics The nature and modern relevance of Aristotelian ethics, using Aristotle's own ethical writings and modern critical interpretations. *Three credit hours.* MR. PARKER

17 Theory of Knowledge The nature and limits of human knowledge. Concepts of belief, knowledge, and justification. Problems of perception, induction, and necessary truth. *Three credit hours.* MR. ANDERSON

198] 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.*

16] 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.*

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.* MR. ANDERSON

31 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

32 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. COHEN

33 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. HUDSON

[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.*

353 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.* MR. HUDSON

†[359] **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.*

*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** A philosophical and literary study of the origins of existentialism, the modern development of French existentialism by Sartre, Camus, Beauvoir, and recent criticism and interpretation. *Three credit hours.*

376 **Contemporary Continental Philosophy** A survey of phenomenology, structuralism, and deconstruction, with special reference to the body. Readings include Merleau-Ponty, Barth, Heidegger, and Foucault. *Prerequisite:* One philosophy course or permission of the instructor. *Three credit hours.* MR. ANDERSON

†[391, 392] **Philosophy Seminar** Seminars in selected areas of philosophy. *Three credit hours.*

398 **Philosophy of Mind** Traditional and contemporary theories of mind, including various forms of dualism, materialism, and causal theories. Discussion of the problem of personal identity will provide new perspectives on these theories. The questions of whether machines can think, and whether investigations into artificial intelligence can help us understand our own minds will also be discussed. *Three credit hours.* MR. 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. *One to four credit hours.* FACULTY

Physical Education

Chairman, ASSOCIATE PROFESSOR RICHARD MCGEE

Associate Professor McGee; Adjunct Associate Professors Carl Nelson and Richard Whitire; Adjunct Assistant Professors James Wescott, Gene DeLorenzo, Michel Goulet¹, Deborah Pluck, Chris Raymond, Thomas Radulski, Debra Aitken, and Robert Pfeiffer

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 college 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.

On leave first semester.

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*.

11j Lifetime Physical Fitness: Exercise Physiology A study of the adaptations and physiological mechanisms involved in man's response to exercise. Particular attention to the circulatory, respiratory, metabolic, and nervous adjustments that must be made with increased levels of physical activity. Also, the influence of environmental factors, the role of diet, physical fitness, training, age, sex, and body composition; the instruments and procedures used in gathering data on the physiology of exercise. *Two credit hours.* MR. MCGEE

Physics

In the department of physics and astronomy.

Chairman, PROFESSOR ROGER METZ

Professor Metz; Visiting Professor Roger Ptak; Associate Professor John Dudley¹; 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, teaching, 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. Space

physics, x-ray spectroscopy, and infrared astronomy are areas of current research interest in the department.

Requirements for the Major in Physics

Twenty-eight credit hours in physics, including 141, 142 (or 121, 122), 211, 232, 323, 334; Mathematics 121, 122, 222 (or 123, 124), and 221. At least one January Program is required to be completed in physics or a closely related field. If possible, Mathematics 121 and 122 (or 123, 124) should be taken in the freshman year.

Students planning on graduate work in engineering or a physics-related science should elect at least 12 additional hours of physics, including 151 and 322, and six additional hours of mathematics, including 311. Attention is drawn to the three-year program in engineering, in which both a bachelor of arts and a bachelor of science degree can be earned upon successful completion of three years at Colby and two years in engineering at either Case-Western Reserve University or the University of Rochester.

In the second semester of the junior year, students who will have completed Physics 151, 322, Mathematics 311, and all courses specifically required for the major by the end of the junior year may apply for admission to the honors program. Successful applicants will be expected to complete, by the end of the senior year, Physics 441; Physics 331 or 332 or 336; and an additional mathematics course numbered above the 100 level. An experimental or theoretical thesis to be defended in the spring of the senior year is required. Successful completion of the honors program will result in the degree being awarded "With Honors in Physics." A thesis completed as part of the Senior Scholars Program may be substituted for the honors thesis. Attention is drawn to this program particularly for students planning graduate work in physics or astronomy.

Students seeking advanced standing in physics should consult the chairman of the department before electing courses. Students interested in pre-college level teaching careers should consult the education department.

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

¹On leave full year.

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.* INSTRUCTOR

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 (or 123) for 142: Mathematics 122 (or 124). *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.*

153 Essential Electronics An introduction to modern electronics emphasizing laboratory work and including theory, problem solving, and circuit design. From simple, direct-current devices to digital integrated circuits, microcomputer instrumentation, and analog signal processing. Some knowledge of calculus recommended. Formerly listed as Physics 152. Enrollment limited. *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 in FORTRAN. *Three credit hours.*

211 Mechanics Theory of classical mechanics: Newton's laws, oscillatory motion, noninertial reference systems, classical gravitation, motion of rigid bodies, and Lagrangian mechanics. Lecture and discussion. *Prerequisite:* Physics 121 or 141; Mathematics 122 or equivalent. Open to well-prepared freshmen (normally those with advanced placement in physics and mathematics) with permission of the instructor. *Four credit hours.* MR. PTAK

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 or 124 (may be taken concurrently). *Four credit hours.* MR. METZ

251d Independent Electronics An independent, self-paced course in electronics. May be taken as a sequel to Physics 153 for the further study of digital electronics and computer circuits. Enrollment limited. *One or two credit hours.* MR. METZ

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, electromagnetic radiation, relativity, Hamiltonian mechanics, and applications. Lecture and discussion. *Prerequisite:* Physics 122 or 142 and Mathematics 222 or 124 or permission of the instructor. *Four credit hours.* MR. CAMPBELL AND MR. PTAK

331 Nuclear Physics A continuation of Physics 232, treating the physics of many-electron atoms and of nuclei; includes quantum statistics, nuclear models and reactions, and elementary particles. *Prerequisite:* Physics 232 or permission of the instructor. *Three credit hours.* MR. METZ

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 (or 124) (may be taken concurrently), or permission of the instructor. *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.* MR. METZ

336 Solid-state Physics An introduction to solid-state physics, beginning with a study of crystal forms and diffraction of x-rays. Thermal, optical, acoustical, and electrical properties of solids; the energy-band theory of semiconductors as applied to simple solid-state devices; superconductivity. *Prerequisite:* Physics 232, 321, or permission of the instructor. *Four credit hours.* MR. REYNOLDS

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. PTAK AND 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. *Prerequisite:* Successful completion of intermediate French, Spanish, or Italian, or indication of equivalent proficiency. *Four credit hours.* MS. DOEL

Psychology

Chairman, PROFESSOR NICHOLAS ROHRMAN

Professor Rohrman; Associate Professors Dorin Zohner, Lewis Lester, Diane Kierstead, and Edward Yeterian¹

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. Laboratories are equipped to conduct a fairly wide range of studies in human sensory, perceptual, and memory phenomena and include animal facilities and surgery for physiological and comparative research. 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 the majority of 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, and 354. A full year of natural laboratory science is strongly recommended. Students majoring in psychology should consult very early with departmental advisers to determine which natural sciences or other courses best augment their psychological interests.

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.

¹On leave first semester.

-95j 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.* INSTRUCTOR

111d 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 in the semester subsequent to 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.*

†[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.*

†[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.*

†[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.*

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.* MR. ROHRMAN

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 behavior, 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

256 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 or permission of the instructor. *Lecture only: three credit hours; lecture and laboratory (enrollment limited): 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.*

†[275] **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.*

352d1 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. *Three credit hours.*

371 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.*

*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 JAMES MEEHAN

ADVISORY COMMITTEE: *Professors Calvin Mackenzie (Government), Meehan (Economics), Robert Reuman¹ (Philosophy), Sonya Rose (Sociology), and Thomas 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: 393 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 Policymaking Process.

At least one course each in economics and government selected from the following:
Economics: 312 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.

(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.

¹On leave full year.

493 Public Policy Seminar Students will design and conduct an original research project on a local, state, or national public policy issue. Required of economics and government majors with concentration in public policy; open to other government and economics majors on a space-available basis. *Three credit hours.*

MR. TIETENBERG

Religion

In the department of philosophy and religion.

Chairman, PROFESSOR YEAGER HUDSON

Professors Robert Reuman¹, Francis Parker, Hudson, Robert McArthur², and Thomas Longstaff; Visiting Associate Professor James Anderson; Assistant Professors Michael Birkel and Daniel Cohen; Lecturer Deborah Soifer³

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 211, 212, 233, 234, 237, 238, 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.

¹On leave full year.

²Part-time second semester only.

³Part-time.

111 Idyllic Garden or Hostile Wilderness: Science, technology, and religion in modern America. Attitudes toward science and technology have often been understood to stand in sharp contrast both to religious values and to a pervasive pastoral ideal in American thought; the interrelationship of these elements in Western culture. *Three credit hours.* MR. LONGSTAFF

113 Religious Autobiography An examination of religious experiences as described in autobiography, and an introduction to a cross-cultural study of religion. Works include those of Black Elk, Gandhi, Malcolm X, John Woolman, and Augustine. *Three credit hours.* MR. BIRKEL

197 Atheism, Deism, and Other Heresies Some "alternative" answers to the central mystery of the universe. Topics will include eighteenth-century Deism, nineteenth-century Secularism, ethics without God, and the "future of an illusion." Enrollment limited to freshmen. *Three credit hours.* MR. BIRKEL AND MR. COHEN

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.

al hymns, renunciation texts, devotional poems, classical mythology. Cultural texts of religion to include "caste," notions of righteous kingship, and village religion. *Three credit hours.* MS. SOIFER

2 Religions of China and Japan A selective study of Confucianism, Taoism, Buddhism, 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. SOIFER

7 Religion in America A survey of the religious components of 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 the issues, past and present, that are important for understanding religion in America. *Three or four credit hours.* MR. LONGSTAFF

18] 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.*

19j] 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 Gandhi's Satyagraha. Modern issues such as social violence, nonviolent resistance, and nuclear pacifism will be considered. Enrollment limited. *Three credit hours.*

31] 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 preliterate 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.*

32] 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.*

33 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 or four credit hours.* MR. LONGSTAFF

34 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 or four credit hours.* MR. LONGSTAFF

†[235] **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 Muslim, and thirteenth-century European women mystics. The role of the conditions leading to the development of the movements, and to the prophet, cosmology, and ritual. *Three credit hours.*

236 American Religion Outside the Mainstream Religious experience of those outside of "mainstream" Protestantism, Catholicism, and Judaism in America: slave religion, millenarian groups (e.g., Jehovah's Witnesses), utopian communities (e.g., Shakers), and Asian religions transplanted to America. *Three credit hours.* MR. BIRKEL

237 The Heritage of Western Religion I The role of religion in Western culture from the late Roman empire to the eve of the reformation, including monasticism and the papacy, the Christianization of Europe and scholasticism. Formerly listed as Religion 115. *Three or four credit hours.* MR. BIRKEL

238 The Heritage of Western Religion II Religion in Western civilization from the sixteenth to the nineteenth centuries, including events such as the German reformation, the English civil war, and the French revolution; persons such as Luther, Bunyan, and Locke; and movements such as Deism, Puritanism, and Hasidism. Formerly listed as Religion 116. *Three or four credit hours.* MR. BIRKEL

[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** The 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.*

277j, [278] Religious Perspectives Interdisciplinary considerations of various topics. January 1986: "Biblical Interpretation and the State of Israel." The rise of Zionism, the Holocaust, and the emergence of the modern State of Israel. The role of biblical interpretation, both Jewish and non-Jewish, in such issues as Jewish homeland, Israel and the Palestinians, and the Arab-Israeli conflict. *Three credit hours.* MR. LONGSTAFF

[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"

the effects of modernization on religion. *Prerequisite:* Religion 211 or 258 or Anthropology 312 or permission of the instructor. *Three credit hours.*

6 Contemporary Western Theology Basic traditions at the turn of the century (i.e., Protestant, Catholic, Jewish); a survey of developments to midcentury (e.g., biblical, philosophical, psychological, sociological); and significant developments since midcentury (the death of God, black theology, liberation theology, theology of hope, feminist theology, technology and religion). *Three credit hours.* MR. LONGSTAFF

31] Job and Wisdom Wisdom literature is an international phenomenon that transcends national and cultural interests and focusing on questions of life and death. 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.*

32] 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 the influence of 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.*

71 Western Monasticism The development of Western monasticism and its function in European Christianity, focusing on ascetic ideals and practices, rules and communal life, and influential figures such as Benedict, John Climacus, Bernard of Clairvaux, and Hadewijch of Antwerp. *Three credit hours.* MR. BIRKEL

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 (or 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. ANEMONE

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. ANEMONE

†[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.*

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. ANEMONE

***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.* MR. ANEMONE

***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.* MR. ANEMONE

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. ANEMONE

Selected Topics

100-98 Study of Selected Topics Each department and interdisciplinary major 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, ASSOCIATE PROFESSOR SONYA ROSE

Professors Frederick Geib, Jonas Rosenthal, and Thomas Morrione¹; Associate Professors Rose; Assistant Professors Beatrice Edwards², Dallas Browne, Linette Poyer, A. Hassan Nesh, and Virginia Desch

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 60-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, 311, or 232); one topical anthropology course (212, 217, 297, 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 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.

¹On leave full year.

²On leave first semester; resident director, Colby in Washington, second semester.

†[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.*

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

211, 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 1986: *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.*

[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 societal 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.* MR. GEIB

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.* MR. ROSENTHAL

Race and Minorities Major problems of race and minority groups, focusing on contemporary United States. *Prerequisite:* Sociology 121, 122. *Three credit hours.*

ROSENTHAL

33] Women and Fascism An overview and comparison of the socio-political and economic treatment of women in Nazi Germany and Falangist Spain, focusing 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.*

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.* MR. DANESH

2 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 a computer, basic statistical analysis, interpretation of statistical results, and integration of empirical findings into sociological theory. *Prerequisite:* Sociology 271. *Three credit hours.* INSTRUCTOR

3d2 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.*

75j 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.* INSTRUCTOR

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] Sociological Social Psychology An analysis of major social-psychological views of human behavior, with special emphasis on the works of George Herbert

Mead and Herbert Blumer. Human group life, social behavior, self, situations, and society examined from a 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. DANESH

†[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 relationship to social structures. Modes of human adaptation to the natural order in folk religion, 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.*

†[316] **Special Topics in Sociology** Topics in selected areas of sociology. *Prerequisite:* Sociology 121 or Anthropology 111. *Three credit hours.*

318 Contemporary Theory An analysis of the contemporary state of sociology as a discipline. Special attention given to critical theory, phenomenology, ethnology, methodology, symbolic interactionism, and existential sociology. *Prerequisite:* Sociology 121, 122, and permission of the instructor. *Three credit hours.* INSTRUCTOR

†[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.*

[336] **The Technological Sphere** The mechanical marketplace from clubs to computers. An exploration of how human behavior is influenced by tools, apparatus, machines, instruments, and physical devices of all sorts; how technology implements the formation of social roles. Enrollment limited. *Prerequisite:* Sociology 122 or 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 tools 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

32] **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.*

34 **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.* MR. GEIB

38 **Gender and Industrialization** A socio-historical perspective in an analysis of gender divisions and the processes of industrial and economic development in nineteenth-century England and America and in the contemporary Third World. The effect of the processes of industrialization on gender roles; the influence of gender on industrial transformation. *Three credit hours.* MS. ROSE

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.* MR. GEIB

Spanish

In the department of modern foreign languages. Unless otherwise specified, all courses numbered above 124 are conducted in Spanish. Spanish 151 or 152 or permission of the instructor is required for all courses numbered 200 or higher.

Professors Henry Holland¹ and Francisco Cauz²; Associate Professor Priscilla Doel; Assistant Professors Jorge Olivares and James Airozo; Instructors Javier Gonzalez-Alonso and Marcia Tardito; Lecturer Barbara Nelson³

Achievement Test: If a student offers a foreign language for entrance credit and wish 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 131.
- (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 advisor each semester until graduation.

Teacher Certification: Students desiring certification for teaching Spanish should consult the department of modern foreign languages and the education department.

¹Resident director, Colby in Cuernavaca, first semester.

²Resident director, Colby in Salamanca, full year.

³Part-time.

115 Mexican History A survey covering the period from the pre-Columbia civilizations through the modern era. Course conducted in Spanish. Nongraded. Offered in Cuernavaca. *Two credit hours.* FACULTY

116 Mexican Society An introduction to contemporary Mexican society with special emphasis on the role of the Indian and the mestizo. Course conducted in Spanish. Nongraded. Offered in Cuernavaca. *Two credit hours.* FACULTY

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, 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.* FACULTY

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.* FACULTY

- 14j 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 B- or better in Spanish 123 and/or permission of the instructor. *Three credit hours.*
INSTRUCTOR
- 11d Conversation and Composition** Language review with emphasis on oral expression, written composition, and vocabulary development. *Prerequisite:* Spanish 24 or appropriate College Board score. *Three credit hours.* FACULTY
- 139 An Introduction to Mexican Literature** A survey of Mexican literature from the colonial period through the twentieth century. Offered in Cuernavaca. *Three credit hours.* MR. HOLLAND
- 151, 152 Introducción a la Literatura Hispánica** The Hispanic tradition reflected in the works of major figures of Spain and Latin America. *Prerequisite:* Spanish 24. *Three credit hours.* FACULTY
- 118 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, 151, or appropriate College Board score. *Three credit hours.* MS. TARDITO
- [255] Nineteenth-Century Spanish Literature** Representative works of romanticism and realism. *Four credit hours.*
- 256d1 The Generation of 1898** The principal figures of this generation: Unamuno, Azorín, Baroja, Valle-Inclán, and Machado. *Four credit hours.* MS. TARDITO
- 257d2 Modern Spanish Literature** The literature of twentieth-century Spain. *Four credit hours.* MS. TARDITO
- 261 Latin American Literature I** Selected prose, poetry, and theater from the period of Independence to the early 1900s. Formerly listed as Spanish 271. *Four credit hours.* MS. DOEL
- 262 Latin American Literature II** Selected prose, poetry, and theater from the beginning of this century to the contemporary period. Formerly listed as Spanish 272. *Four credit hours.* INSTRUCTOR
- *332d1 Contemporary Latin American Literature** Authors will include Carlos Fuentes, García Márquez, Manuel Puig, Julio Cortázar, and Jorge Luis Borges. *Four credit hours.* MR. OLIVARES
- *337d2 Medieval Spanish Literature** Medieval Spanish classics: *El Cid*, *El libro de buen amor*, *La Celestina*, and *El romancero*. *Four credit hours.* MS. DOEL

†[351] **El Siglo de Oro** The Spanish classical theater, the picaresque novel, and selected works of Cervantes. *Four credit hours.*

†[352] **Don Quijote** Study and analysis of *Don Quijote de la Mancha*. *Four credit hours.*

358 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, Juan Marsé, Luis Martín Santos, and Juan Goytisolo. *Four credit hours.* MR. AIROZO

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 1985: Modern Spain in Conflict: Political, Social, Religious, and Economic Issues as Reflected in Literature.) *Prerequisite:* Permission of the instructor. *Four credit hours.* MR. AIROZO AND MS. TARDITO

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 nine-week Lancaster Course in Ophthalmology, and three- to five-day seminars are held in Anesthesiology, Emergency Medicine, Forensic Medicine, Allergy-Immunology, Nuclear Medicine, Obstetrics-Gynecology, Ophthalmology, Orthopaedics, Otolaryngology, Pediatrics, Pulmonary Disease, and Surgery. The Maine Orthopaedic 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 National Association of Medical Examiners.

Public and professional service programs include the Estate Planning and Tax Institute, Advanced Audiology, Church Music Institute, Great Books, and Piano In-

tute. 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, ASSOCIATE 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 production of previously neglected fields of study with the goal of enriching the entire college curriculum.

A major in women's studies may be pursued by students under the auspices of the Independent Major Board. Students should consult with a member of the Women's Studies Advisory Board for guidance in structuring such a major.

Courses Offered in the Women's Studies Program

American Studies: 274 The Female Experience in America.

Anthropology: 215 Cross-cultural Perspectives on Sex Roles; 312 Ritual and Identity.

Art: 372 Women in Art; 374 Women and Film.

Education: 294 Women in Professions.

English: 398 Art and Oppression; 493 Seminar, Literature of the Black Woman Writer.

French: 353 Francophone Women Authors.

Government: 398 Directions in Feminist Theory; 434 Women in American Politics.

History: 236 History of Women in Europe; 257 History of Women in America; 271

feminism and Anti-feminism; 419 Women in Early Modern Europe: The Witch Craze.

Music: 315 Women Composers, Eighteenth Century to the Present.

Psychology: 217 Sex Differences in Human Behavior.

Religion: 235 Religions of the Oppressed; 258 Religious Perceptions of Gender.

Sociology: 253 Women and Fascism; 273 The Family; 276 Men and Women in Society;

398 Gender and Industrialization.

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The Corporation 1985-86

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ANNE LAWRENCE BONDY '46 (MRS. EUGENE, JR.), B.A., M.A., Mamaroneck, New York, *Member, Board of Cooperative Educational Services, Port Chester* (Al. 1987)

H. RIDGELY BULLOCK '55, J.D., Greenwich, Connecticut, *President and Chief Executive Officer, Montchanin Corporation* (1989)

ROBERT WILLIAM BURKE '61, M.B.A., Somerset, New Jersey, *Vice President, Personnel, Goldman, Sachs, and Company* (Al. 1987)

ALIDA MILLIKEN CAMP (MRS. FREDERIC E.), B.A., L.H.D.², East Bluehill, Maine, *Vice President, National Multiple Sclerosis Society*

LEVIN HICKS CAMPBELL, LL.B., LL.D., Cambridge, Massachusetts, *Chief Judge, U.S. Circuit Court of Appeals* (1986)

CLARK HOPKINS CARTER '40, B.A., L.H.D., Greenwich, Connecticut, *Corporate Vice President Retired, Richardson-Merrell, Incorporated* (1989)

JOHN GILRAY CHRISTY, A.B., M.A., Philadelphia, Pennsylvania, *Chairman and President, IU International Corporation* (1988)

JOHN SELKIRK DULANEY '56, B.A., M.B.A., Westport, Connecticut, *Executive Vice President, Smith Barney, Harris Upham & Company, Incorporated* (1987)

WARREN JOHN FINEGAN '51, B.A., M.A., Wayland, Massachusetts, *Investment Broker* (Al. 1986)

WILLIAM HOWE GOLDFARB '68, A.B., J.D., Avon, Connecticut, *President, HRW Resources, Incorporated* (1989)

RAE JEAN BRAUNMULLER GOODMAN '69 (MRS. ROBERT P.), Ph.D., Annapolis, Maryland, *Associate Professor of Economics, United States Naval Academy* (Al. 1986)

GERALD JAY HOLTZ '52, A.B., M.B.A., Brookline, Massachusetts, *Partner, Arthur Andersen & Co.* (1988)

PHILIP WILLIAM HUSSEY, JR. '53, B.A., M.A., Kennebunkport, Maine, *President, Chief Executive Officer, and Director, Hussey Corporation* (Al. 1987)

ELLERTON MARCEL JETTÉ, LL.D.¹ ², Boston, Massachusetts, *Honorary Chairman, C. F. Hathaway Company*

ROBERT SPENCE LEE '51, B.A., M.A., Beverly Farms, Massachusetts, *President, Hotwatt, Incorporated* (1987)

ROBERT ALLEN MARDEN '50, LL.B., Waterville, Maine, *Attorney, Marden, Dubord, Bernier and Chandler* (1989)

DAVID MARVIN MARSON '48, A.B., Dedham, Massachusetts, *President, The New Ca Company, Incorporated* (1989)

LAWRENCE CARROLL MCQUADE, LL.B., New York, New York, *Executive Vice President and Group Executive, W. R. Grace & Company* (1989)

FREDERICK ALBERT POTTLE '17, Ph.D., LL.D., Litt.D., L.H.D.², New Haven, Connecticut, *Sterling Professor of English Emeritus, Yale University*

KERSHAW E. POWELL '51, D.M.D., Waterville, Maine, *Dentist* (Al. 1988)

LAWRENCE REYNOLDS PUGH '56, B.A., M.A., Reading, Pennsylvania, *Chairman of the Board and Chief Executive Officer, VF Corporation* (Al. 1988)

DAVID PULVER '63, M.B.A., Pine Brook, New Jersey, *Partner, The Market Place Concept* (1987)

PATRICIA RACHAL '74, Ph.D., Rye, New York, *Associate Professor of Political Science Queens College* (Al. 1986)

SARAH JANNEY ROSE '76, A.B., Washington, D.C., *Trust Officer, American Security Corporation* (Al. 1988)

ROBERT SAGE '49, B.A., M.A., Newton, Massachusetts, *President, Sage Hotel Corporation* (1986)

RICHARD ROBERT SCHMALTZ '62, B.A., M.A., Darien, Connecticut, *Chairman, Stock Selection Committee, Kidder, Peabody & Company, Incorporated* (1986)

ROBERT EDWARD LEE STRIDER II, Ph.D., LL.D., L.H.D., Litt.D., HH.D., D.S. in B.A.,
 Ed.²⁻³, Brookline, Massachusetts, *President Emeritus, Colby College*

EDWARD HILL TURNER, A.B., L.H.D., Belgrade, Maine, *Vice President for
 Development Emeritus, Colby College* (1987)

Faculty Representatives

SANDY MAISEL, Ph.D., Waterville, Maine, *Professor of Government* (1987)

JAMES WILLIAM MEEHAN, JR., Ph.D., Waterville, Maine, *Professor of Economics*
 (1986)

Student Representatives

MICHAEL A. HEEL '86, Northeast Harbor, Maine (1986)

CATHARINE V. WEBSTER '87, Englewood, New Jersey (1986)

Former chairman of the board.

Life member.

Former president.

Colby College Trustees Emeriti

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JOHN LAWRENCE BURNS, 1978-1982

NORMAN L. CAHNERS, 1969-1975

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

NISSIE GROSSMAN '32, 1965-1970, 1971-1981

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DORIS HARDY HAWHEELI '25, 1952-1958

JEAN GANNETT HAWLEY, 1960-1972

DANIEL RAY HOLT '21, 1956-1962

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
 C. DAVID O'BRIEN '58, 1975-1985
 DAVID MACKENZIE OGILVY, 1963-1969
 PAUL DONNELLY PAGANUCCI, 1975-1985
 BETTINA WELLINGTON PIPER '35, 1964-1970
 WILSON COLLINS PIPER '39, 1959-1974, 1975-1985
 JOHN FRANKLIN REYNOLDS '36, 1971-1977
 ALICE LINSKOTT 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, SR. '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
 SIGRID EMMA TOMPKINS '38, 1970-1976, 1977-1985
 PETER AUSTIN VLACHOS '58, 1977-1980
 JEAN MARGARET WATSON '29, 1965-1971
 THOMAS JOHN WATSON III '67, 1975-1981
 ESTHER ZISKIND WELTMAN, 1958-1973, 1974-1977
 RALPH SAMUEL WILLIAMS '35, 1973-1983
 ROBERT FREDERIC WOOLWORTH, 1965-1977

Overseers

RICHARD LLOYD ABEDON '56, Tiverton, Rhode Island, *Chairman, Richard L. Abedon Company*, Visiting Committees on Admissions and Financial Aid and on East Asian Studies (1989)

HAROLD ALFOND, Waterville, Maine, *Chairman of the Board, Dexter Shoe Company*, Visiting Committee on Physical Education and Athletics (1989)

FRANK OLUSEGUN APANTAKU '71, Chicago, Illinois, *Physician*, Visiting Committee on Mathematics (1989)

CLIFFORD ALLAN BEAN '51, Concord, Massachusetts, *Management Consultant, Arthur D. Little, Incorporated*, Trustee Budget and Finance Committee, Visiting Committees on Economics, on Administrative Science, and on Development (1989)

- MES ROBERT COCHRANE '40, Laconia, New Hampshire, *Board of Directors, Former resident, The Seiler Corporation*, Visiting Committee on Admissions (1986)
- EDWARD R. CONY '44, Manhasset, New York, *Vice President/News and Executive Director, The Wall Street Journal*, Visiting Committees on American Studies and on Publications and Public Affairs (1989)
- WALTER KING CUMMINGS, Stratton, Maine, *Chairman of the Board and Chief Executive Officer, Guilford Industries*, Visiting Committees on Geology and on Physics (1989)
- MARGARET AUGUSTINE ANTHONY D'AMICO '28, Bangor, Maine, *President Retired, Penobscot Paint Company*, Trustee Physical Plant Committee (1989)
- EDITH DITH EILENE EMERY '37, Haverhill, Massachusetts, *Associate Dean of Students Emerita, Northeastern University*, Trustee Student Affairs Committee (1989)
- JOHN W. FIELD, SR., Fairfield, Connecticut, *Management and Finance Consultant, Pine Hill Consultants Office*, Visiting Committees on Economics and on Administrative Science (1989)
- ROBERT A. FRIEDMAN, Scarsdale, New York, *Partner, Goldman, Sachs, and Company* (1989)
- RAY BOUTELLE GREENE, JR. '47, Needham, Massachusetts, *President, Greene Associates*, Visiting Committee on Psychology (1989)
- AMES JEROME HARRIS '27, Fort Lauderdale, Florida, *Former Chief Executive Officer, Guest Pac Corporation*, Visiting Committee on Administrative Science (1989)
- JANET GAY HAWKINS '48, Plandome, New York, Visiting Committee on the Library (1989)
- NANCY SPOKES HAYDU '69, Wellesley, Massachusetts, *Former Planning Coordinator, Essex Physician's Review Organization*, Visiting Committee on Physical Education and Athletics (1988)
- SUSAN SMITH HUEBSCH '54, South Dartmouth, Massachusetts, *Real Estate Broker* (1989)
- H. ALAN HUME, Oakland, Maine, *Chief of Staff, Mid-Maine Medical Center* (1989)
- SOL HURWITZ, Rye, New York, *Senior Vice President, Committee for Economic Development*, Visiting Committees on Psychology and on Publications and Public Affairs (1989)
- EDITH KEMPER JETTÉ, Boston, Massachusetts, *Cofounder, The Friends of Art at Colby*, Visiting Committee on Art (1989)
- KENNETH ALGERNON JOHNSON '37, Newton Upper Falls, Massachusetts, *Assistant Headmaster-History, Boston Latin School, Ralph J. Bunche Scholars Program* (1987)
- ALLAN JORDAN LANDAU '55, Boston, Massachusetts, *Attorney, Widett, Slater & Goldman, P.C.*, Visiting Committee on Physical Education and Athletics (1988)
- ROBERT ALF LINDGREN, New York, New York, *Partner, Rogers and Wells*, Visiting Committee on Music and the Performing Arts (1987)
- PETER HAROLD LUNDER '56, Waterville, Maine, *President, Assistant Treasurer, and Director, Dexter Shoe Company*, Visiting Committee on Physical Plant (1986)

WILLIAM THOMAS MASON, JR. '47, Norfolk, Virginia, *Attorney, Robinson, Eichler, Zaleski & Mason*, Visiting Committee on Black Studies and Women's Studies (1987)

PETER BOONE ORAM '55, 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 (1989)

FREDERICK ALFRED SCHREIBER '34, Beverly Hills, California, *Management Consultant*, Visiting Committee on East Asian Studies (1989)

MARK REDANS SHEDD, Yarmouth, Maine, *Director, Public Policy and Management Program, University of Southern Maine*, Visiting Committee on Education (1988)

GEORGE IRVING SMITH '49, Menlo Park, California, *Geologist, U.S. Geological Survey*, Visiting Committee on Mathematics (1989)

ELAINE ZERVAS STAMAS '53, Scarsdale, New York, Visiting Committee on Music and the Performing Arts (1987)

SYLVIA CARON SULLIVAN '53, Nashville, Tennessee, *Trustee Student Affairs Committee*, Visiting Committee on Education (1989)

M. ANNE O'HANIAN SZOSTAK '72, Warwick, Rhode Island, *Senior Vice President in Operations, Fleet National Bank*, Visiting Committee on Black Studies and Women's Studies (1989)

JUDITH PROPHETT TIMKEN '57, Lafayette, California, *Art Docent, Oakland Museum*, Visiting Committee on Music and the Performing Arts (1988)

BARBARA HOWARD TRAISTER '65, North Hills, Pennsylvania, *Associate Professor of English, Lehigh University*, Visiting Committees on English and on Music and the Performing Arts (1989)

WILLIAM DUNBAR WOOLDREDGE '61, Hudson, Ohio, *Chief Financial Officer, Belden & Blake Energy Corporation*, Visiting Committee on Government (1987)

Overseers Visiting Committees 1984-85

Special Programs July 18-20, 1984 / Steven Calvert, Director of Continuing Education, Dartmouth College, consultant, chairman; Marjorie A. Farley, Director of Conferences, Tufts University, consultant; Nancy Hill, Mayor of Waterville, consultant.

Publications and Public Affairs September 30-October 2, 1984 / Mr. Hurwit chairman; Fox Butterfield, Boston Bureau Chief, *The New York Times*, consultant; Mr. Cony; Mr. Finegan; Mr. Marson; R. Keith Moore, Vice President of University Relations, Carnegie-Mellon University, consultant; Linda L. Steele, Director of Communications, Hollins College, consultant.

Physical Education and Athletics November 11-13, 1984 / Mr. Wright, chairman; Mr. Alfond; Peter Gooding, Director of Athletics, Amherst College, consultant; Ms. Haydu; Mr. Landau.

Physical Plant February 20-21, 1985 / Mr. Goldfarb, chairman; Mr. Lunder; Winthrop Wassenaar, Director of Physical Plant, Williams College, consultant.

assics February 21-22, 1985 / Ms. Bean; W. Robert Connor, Professor of
assics, Princeton University.

brary April 10-12, 1985 / Mr. Piper, chairman; Ms. Hawkins; Margaret Otto,
irector of the Library, Dartmouth College, consultant.

lack Studies and Women's Studies April 28-30, 1985 / Ms. Szostak,
airman; Rhett Jones, Professor of Afro-American Literature and Director of
fro-American Studies, Brown University, consultant; Mary Kelley, Associate
rofessor of History, Dartmouth College, consultant; Mr. Mason; Ms. Rachal.

Faculty 1984-86

WILLIAM R. COTTER, J.D. (Harvard), 1979-
Professor of Government; President

DOUGLAS NELSON ARCHIBALD, Ph.D.² (Dartmouth, Michigan), 1973-
Professor of English; Vice President for Academic Affairs and Dean of Faculty, 1982-

Emeriti

JULIUS SEELYE BIXLER¹, 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

CLIFFORD JOSEPH BERSCHNEIDER, M.A., 1949-85
Professor of History, 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 '30, 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 '37, Ph.D., 1948-80
Professor of Mathematics, Emeritus

ALICE PATTEE COMPARETTI, Ph.D., 1936-73
Professor of English, Emerita

ERMANNIO FRANCIS COMPARETTI, Ph.D., 1941-74
Professor of Music, Emeritus

FLORENCE ELIZABETH LIBBEY CRAWFORD '29, 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; Visiting Scholar in Residence,
September-December 1983, September-December 1985
Professor of History, Emeritus

- MES 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
- RONALDSON KOONS, Ph.D., Sc.D., 1947-82, January 1984, 1985
Dana Professor of Geology, Emeritus
- PAUL EWERS MACHEMER, Ph.D., 1955-83
Merrill Professor of Chemistry, Emeritus
- DR. JANET MARCHANT, M.A., 1940-65
Associate Professor of Physical Education, Emerita
- LEONARD WITHINGTON MAYO '22, B.A., S.Sc.D., 1966-71
Professor of Human Development, Emeritus
- CHARLE ALTON MCKEEN '29, M.Ed., 1955-71
Associate Professor of Education, Emeritus
- WILLIAM BLACKALL MILLER, Ph.D., 1956-82, February-June 1984
Professor of Art, Emeritus
- GEORGE THOMAS NICKERSON '24, 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
- PAUL POWERS PEREZ, Ph.D., February 1960-85
Professor of Psychology, Emeritus
- ROBERT WHITE PULLEN '41, 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, January 1984
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 '35, M.B.A., L.H.D., 1947-73
Wadsworth Professor of Administrative Science, Emeritus; Administrative Vice President, Emeritus

LUCILLE PINETTE ZUKOWSKI '37, M.A., 1943-82
Professor of Mathematics, Emerita

WALTER HENRY ZUKOWSKI, Ph.D., 1952-82
Wadsworth Professor of Administrative Science, Emeritus

¹Died March 28, 1985.

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)

DEBRA ANN AITKEN, M.Ed. (Frostburg State [Maryland], Plymouth State), 1985-
Adjunct Assistant Professor of Physical Education

DONALD BRUCE ALLEN, Ph.D. (Fresno State, Illinois), 1967-
Professor of Geology

JONATHAN DWIGHT ALLEN, B.A. (Case Western Reserve), 1978-
Faculty Member without Rank: Director of Computer Services

JAMES C. ANDERSON, Ph.D. (Syracuse), 1985-
Visiting Associate Professor of Philosophy

KIYOKO MORITA ANDERSON, M.A. (Hokusei College [Japan], California State University at Hayward, Indiana), 1984-85
Instructor in Modern Languages (Japanese)

ANTHONY ALFRED ANEMONE, JR., Ph.D. (California at Berkeley), 1985-
Assistant Professor of Modern Languages (Russian)

DOUGLAS NELSON ARCHIBALD, Ph.D.² (Dartmouth, Michigan), 1973-
Professor of English; Vice President for Academic Affairs and Dean of Faculty, 1982-

- MUEL LEIGH ATMORE, M.S. (Pennsylvania State, Simmons), 1977-
culty Member without Rank: Audiovisual Librarian
- AROL HOFFER BASSETT, M.A.⁷ (South Dakota), 1974-
ssistant Professor of Mathematics
- HARLES WALKER BASSETT, Ph.D. (South Dakota, Kansas), 1969-
ana Professor of American Studies and English
- RICHARD QUENTIN BELL, JR., B.S. (Delaware), 1978-85
djunct Assistant Professor of Physical Education
- OBERT MARK BENBOW, Ph.D.² (University of Washington, Yale), 1950-
oberts Professor of English Literature
- IRIAM FRANCES BENNETT, Ph.D. (Carleton, Mount Holyoke, Northwestern), 1973-
William R. Kenan, Jr., Professor of Biology
- DEL CHARLES BERNARD, Ph.D.¹ ⁸ (Cornell, Yale), 1980-
ssistant Professor of History
- LIFFORD JOSEPH BERSCHNEIDER, M.A. (Duquesne, Pittsburgh), 1949-85
rofessor of History
- ERIC ALEXANDER GRINDLAY BINNIE, Ph.D. (Strathclyde [Scotland], McMaster
Canada], Toronto [Canada]), 1984-
Associate Professor of English and Performing Arts
- MICHAEL LAWRENCE BIRKEL, M.A. (Wilmington [Ohio], Earlham), 1984-
Assistant Professor of Religion
- PAMELA ANN BLAKE, Ph.D. (St. Lawrence, Cornell), 1985-
Assistant Professor of Government
- RITA PHYLLIS BOUCHARD, M.A.⁷ (Maine, Boston University), 1978-85
Faculty Member without Rank: Reference Librarian
- ROGER WILSON BOWEN, Ph.D.¹ (Wabash, Michigan, British Columbia), 1978-
Associate Professor of Government
- MYLES GERALD BOYLAN, Ph.D.¹ (Michigan State, Case Institute of Technology, Case
Western Reserve), 1982-85
Associate Professor of Administrative Science
- PATRICK BRANCACCIO, Ph.D.³ (Brooklyn College, Ohio State, Rutgers), 1963-
Professor of English
- DAVID GORDON BRIDGMAN, Ph.D.¹² (Yale, Wisconsin, Harvard), 1955-
Associate Professor of History
- MORTON AARON BRODY, J.D.⁷ (Bates, Chicago), February-June 1984, 1985-
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 '68, M.B.A., M.S.² (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; Resident Director of Colby in Dijon Program, Semester I, 1986-87
- JEANNE BURNETTE, M.L.S.¹² (Maine), January 1979-
Faculty Member without Rank: Cataloguer, Library
- MURRAY FRANCIS CAMPBELL, Ph.D. (Pennsylvania State, Cornell), 1980-
Assistant Professor of Physics
- FRANCISCO ANTONIO CAUZ, Ph.D. (Villanova, Middlebury, Rutgers), 1957-
Professor of Modern Languages (Spanish); Resident Director of Colby in Salamanca Program, 1984-86
- ARTHUR KINGSLEY CHAMPLIN, Ph.D. (Williams, Rochester), 1971-
Associate Professor of Biology
- ROBERT EDWARD CHRISTIANSEN, Ph.D. (Wayne State, Indiana), February 1979-85
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; Resident Director of Colby in Cork Program, 1985-86
- DANIEL HARRY COHEN '75, Ph.D. (Colby, Indiana), 1983-
Assistant Professor of Philosophy
- FREDERICK RUSSELL COLE, Ph.D.¹ (Massachusetts, Illinois), 1977-
Associate Professor of Biology
- SUSAN WESTERBERG COLE, M.S.¹ (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
- EILEEN MARY CURRAN, Ph.D.⁶ (Cornell, Cambridge, Cornell), 1958-
Professor of English
- ABOL HASSAN DANESH, Ph.D. (Tehran University, University of California at Riverside), 1985-
Assistant Professor Sociology
- GENE BARTHOLOMEW DELORENZO '75, B.A. (Colby), 1977-
Adjunct Assistant Professor of Physical Education
- VIRGINIA JONAS DESCH, Ph.D. (Goucher College, Johns Hopkins), 1985-
Assistant Professor of Sociology
- ANN FRANCES DE VITO, M.A.¹¹ (Washington at Seattle, Toronto), 1985-
Taylor Lecturer in Classics
- SUSAN M. DIGIACOMO, Ph.D. (Massachusetts at Amherst), 1984-85
Assistant Professor of Sociology

- MISCILLA 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), 1965-85
Assistant Professor of Sociology
- WILLIAM EUGENE DOLL, Ph.D. (Montana State, Wisconsin at Madison), 1983-
Assistant Professor of Geology
- JOHN MINOT DUDLEY, Ph.D.² (Massachusetts Institute of Technology, California at Berkeley), 1964-
Associate Professor of Physics
- THOMAS WILLIAM EASTON, Ph.D. (Maine, Brown), 1960-
Professor of Biology
- HEATRICE ELIZABETH EDWARDS, Ph.D.⁴ (Georgetown, Texas, American), 1981-
Assistant Professor of Sociology; Resident Director of Colby in Washington Program, Semester II, 1986
- ROBERT CHAPMAN EWELL '71, M.Ed. (Colby, Maine), 1978-85
Adjunct Assistant Professor of Physical Education
- ROBERT LAMBTON FARNSWORTH, M.F.A. (Brown, Columbia), 1983-
Assistant Professor of English
- SIDNEY WEYMOUTH FARR '55, M.A., M.B.A. (Colby, Maine), 1960-
Associate Professor; Secretary of the Corporation
- DAVID SPENCER FEARON '65, Ph.D. (Colby, Central Michigan, Connecticut), 1984-85
Visiting Associate Professor of Administrative Science
- LEE NATHAN FEIGON, Ph.D. (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, Italian); Resident Director of Colby in Florence Program, Semester I, 1983, 1984
- GUY THEOPHILE FILOSOFF, Ph.D. (Rollins, Middlebury, Rochester), 1969-
Professor of Modern Languages (French)
- DAVID WARREN FINDLAY, M.S. (Acadia [Canada], Purdue), 1985-
Instructor in Economics
- DAVID H. FIRMAGE, Ph.D. (Brigham Young, Montana), February 1975-
Associate Professor of Biology
- ELIZABETH NELL FLINT, Ph.D. (University of California at Los Angeles), 1985-
Assistant Professor of Biology
- JACK DONALD FONER, Ph.D. (City College of New York, Columbia), February 1969-74, September-December 1983, September-December 1985
Professor of History, Emeritus; Visiting Professor of History and of Black Studies
- BRUCE EDWARD FOWLES, Ph.D. (Brown, California at Berkeley), 1967-
Associate Professor of Biology

DIANE SKOWBO KIERSTEAD, Ph.D. (Miami [Ohio], Brandeis), 1974-
Associate Professor of Psychology

LIZZ LYLE KLEEMEIER, Ph.D. (Colorado College, California at Berkeley), 1983-85
Assistant Professor of Government

YVONNE RICHMOND KNIGHT '55, 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.⁴ (Dartmouth, Pennsylvania), 1963-
Professor of English

DONALDSON KOONS, Ph.D., Sc.D. (Columbia), 1947-82, January 1984, 1985
Professor of Geology, Emeritus; Lecturer in Geology

HUBERT CHRISTIAN KUETER, Ph.D. (Valparaiso, Michigan), 1965-
Associate Professor of Modern Languages (German); Resident Director of Colby in Lübeck Program, Semester II, 1985-

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.² (Miami [Florida], Rhode Island), 1979-
Associate Professor of Biology

KENNETH D. LANE, D.A.¹ (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 Program, 1984-85

LEWIS FREDERICK LESTER, Ph.D. (City University of New York, Connecticut), 1970-
Associate Professor of Psychology

JEREMY ROBERT TROWER LEWIS, Ph.D. (Oxford [England], Johns Hopkins), 1984-85
Assistant Professor of Government

CAROL B. LIBBY, Ph.D. (Pennsylvania State), 1985-
Assistant Professor of Chemistry

RICHARD DANIEL LIBBY '68, Ph.D. (Colby, Pennsylvania State), 1985-
Assistant Professor of Chemistry

MARGRIT LICHTERFELD, Ph.D. (Cornell, Harvard), 1985-
Assistant Professor of Modern Languages (German)

JOHN ROBERT LIKINS, M.L.S. (Colgate, Simmons), November 1984-
Faculty Member without Rank: Cataloguer/Reference Librarian

THOMAS RICHMOND WILLIS LONGSTAFF, Ph.D.¹ (Maine, Bangor Theological, Columbia), 1969-
Professor of Philosophy and Religion

- AVID MARTIN LUBIN, Ph.D. (Ohio State, Yale), 1983-
Assistant Professor of Art and of American Studies
- DOMINIQUE LUSSIGNY, L.-és-L. (Sorbonne), 1984-85
Visiting Lecturer in Modern Languages (French)
- ANN SAX MABBOTT, M.A.⁷ (Wooster, Wisconsin at Madison), 1983-
Lecturer in Modern Languages (Spanish)
- MARY 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
- MOLIN EDWARD MACKAY, Ph.D. (Brown), 1956-
Professor of English
- GEORGE CALVIN MACKENZIE, Ph.D.¹ (Bowdoin, Tufts, Harvard), 1978-
Associate Professor of Government; Vice President for Development and Alumni Relations
- GEORGE DOUGLAS MAIER, Ph.D.² (Cornell College, Iowa State), 1965-
Professor of Chemistry
- MRS. SANDY MAISEL, Ph.D. (Harvard, Columbia), 1971-
Professor of Government
- MARYHILLIS FRANCES MANNOCCHI, Ph.D. (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.⁷ (Oberlin, Iowa), 1983-
Faculty Member without Rank: Art and Music Librarian
- ALBERT ANTHONY MAVRINAC, Ph.D.² (Pittsburgh, Harvard), 1958-
Dana Professor of Government
- MARILYN SWEENEY MAVRINAC, M.A.⁷ (Wellesley, Columbia), 1963-64, 1967-68, 1969-
Assistant Professor of Education and of History
- MARTHA ELIZABETH MAY, Ph.D. (Virginia Commonwealth, SUNY at Binghamton), 1984-85
Assistant Professor of History
- ROBERT PAUL MCARTHUR, Ph.D. (Villanova, Temple), 1972-
Professor of Philosophy; Dean of Admissions and Financial Aid, 1982-85; Vice President for Academic Affairs and Dean of Faculty, 1985-86
- DONALD RALPH MCCARTY, M.P.A. (Ohio Wesleyan, California at Nova), 1984-85
Assistant Professor of Administrative Science
- DEBORAH E. MCDOWELL, Ph.D. (Tuskegee, Purdue), 1979-
Associate Professor of English

RICHARD JOHN MCGEE, M.S. (Maine), 1967-

Associate Professor of Physical Education and Director of Athletics

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.⁷ (Dartmouth, Colorado), 1961-1974, 1983-

Visiting Associate Professor of Art

JAMES WILLIAM MEEHAN, JR., Ph.D. (Saint Vincent, Boston College), 1973-

Professor of Economics

BENOÎT MELANÇON, D.E.C. (Montreal, College de L'Assomption [Canada]),

September-December 1984; 1985-

Visiting Instructor in Modern Languages (French); Resident Director of Colby in Caen Program, 1985-86

SANDRA LEE MENSSEN, Ph.D. (Minnesota), 1984-85

Assistant Professor of Philosophy

ROGER NATHAN METZ, Ph.D. (Oberlin, Cornell), 1968-

Professor of Physics

FRANK JOSEPH MILLER, Ph.D. (Florida State, Indiana), 1978-85

Assistant Professor of Modern Languages (Russian)

DAVID HORTON MILLS '57, M.A.⁷ (Colby, University of Illinois, Harvard), 1980-81, 1984-

Lecturer in English

CHRISTINE ELIZABETH MITCHELL-WENTZEL, M.A. (Massachusetts, Michigan), 1973-

Adjunct Associate Professor of Dance

JOHN S. MIZNER, Ph.D. (Antioch, Pennsylvania), 1963-

Professor of English

JUDITH SCHACHTER MODELL, Ph.D.¹ (Vassar, Columbia, Minnesota), 1981-85

Assistant Professor of Anthropology and of Human Development

THOMAS JACK MORRIONE '65, Ph.D.^{1, 2} (Colby, New Hampshire, Brigham Young), 1971-

Professor of Sociology

FRED BAKER MOSELEY, Ph.D. (Stanford, Massachusetts at Amherst), 1982-

Assistant Professor of Economics

JANE MERYL MOSS, Ph.D. (Wellesley, Yale), 1979-

Associate Professor of Modern Languages (French)

RICHARD JAMES MOSS, Ph.D. (Michigan State), 1978-

Associate Professor of History

SUANNE WILSON MUEHLNER, M.L.S., M.B.A. (California at Berkeley, Simmons, Northeastern), 1981-

Faculty Member without Rank: Director of the Colby Libraries

LINDA DIANE MYERS, M.A. (SUNY at Cortland, Ohio State), 1984-85

Adjunct Instructor in Physical Education

BARBARA KUCZUN NELSON '68, M.A.⁷ (Colby, Middlebury), 1978-

Lecturer in Modern Languages (Spanish)

- ARL E. NELSON, M.Ed. (Boston University, Maine), November 1967-
Adjunct Associate Professor of Physical Education; Director of Health Services
- ROBERT EDWARD NELSON, Ph.D. (San Francisco State, University of Washington),
1982-
John D. MacArthur Assistant Professor of Geology
- THOMAS ALLEN NEWTON, Ph.D. (Hobart, Bucknell, Delaware), 1978-85
Assistant Professor of Chemistry
- STANLEY A. NICHOLSON, Ph.D. (Montana, Duke), 1981-
Professor of Economics; Administrative Vice President
- PETER WEST NUTTING, Ph.D. (Amherst, California at Berkeley), 1985-
Associate Professor of Modern Languages (German)
- PETER LORING NYE, M.A.T., M.B.A. (New Hampshire, Boston College, Cornell),
1983-85
Assistant Professor of Administrative Science
- GEORGE OLIVARES, Ph.D. (Miami [Florida], Michigan), 1982-
Assistant Professor of Modern Languages (Spanish)
- WILLIAM B. O'NEIL, Ph.D.² (Amherst, Wisconsin), 1982-
Assistant Professor of Economics
- PATRICIA ARNOLD ONION, Ph.D.⁷ (Connecticut College, Harvard), 1974-
Lecturer in English
- WILLIAM HEARNE PARDEE, M.F.A.¹⁰ (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. (Evansville, Indiana, Harvard), 1971-
Dana Professor of Philosophy
- PAUL POWERS PEREZ, Ph.D. (U.S. Coast Guard Academy, New York University),
February 1960-85
Professor of Psychology; Clinical Psychologist
- HAROLD RICHARD PESTANA, Ph.D. (California, Iowa), 1959-
*Professor of Geology; Resident Director of Colby Bermuda Semester in Geology
Program, Semester II, 1984-85*
- ROBERT PFEIFFER, M.Ed. (Bowdoin, New Hampshire), 1985-
Adjunct Assistant Professor of Physical Education
- GREGORY M. PFITZER '79, B.A.⁷ (Colby), 1982-83, January 1984, 1984-85
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
- JOHN ROBERTS PORTER, M.A.¹¹ (Washington at Seattle, Toronto [Canada]), 1985-
Taylor Lecturer in Classics

LINETTE A. POYER, Ph.D. (Bucknell, Michigan at Ann Arbor), 1985-
Assistant Professor of Sociology

TAMAE K. PRINDLE, M.A. (Cornell, Washington State), 1985-
Instructor in East Asian Studies (Japanese Language and Literature)

ROGER L. PTAK, Ph.D. (University of Detroit, Cornell), 1985-
Visiting Professor of Physics

MARILYN RUTH PUKKILA, M.A., M.S.L.S. (Michigan at Ann Arbor, Aberystwyth [Wales], Columbia), March 1984-
Faculty Member without Rank: Reference Librarian

F. THOMAS RADULSKI, M.P.A. (New Hampshire), 1985-
Adjunct Assistant Professor of Physical Education

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

LEONARD S. REICH, Ph.D. (Bucknell, Johns Hopkins), February 1986-
Associate Professor of Administrative Science

DOUGLAS EDWARD REINHARDT '71, M.B.A. (Colby, Babson), 1972-
Faculty Member without Rank: Treasurer

DOROTHY SWAN REUMAN, M.A.^{6, 7} (Wooster, Wisconsin), 1961-64, 1966-
Associate Professor of Music

ROBERT EVERETT REUMAN, Ph.D.² (Middlebury, Pennsylvania), 1956-
Professor of Philosophy; Resident Director of Intercollegiate Beijing Educational Program, Semester I, 1985-86

JOHN FRANCIS REYNOLDS, Ph.D. (Tufts, Virginia), 1978-85
Assistant Professor of Modern Languages (German)

ROSS ANTHONY REYNOLDS, Ph.D. (Michigan State, Oregon), 1983-
Assistant Professor of Physics

LAURENCE DALE RICHARDS, M.B.A., Ph.D.¹ (Maine, West Florida, Mississippi State, Pennsylvania), 1980-85
Assistant Professor of Administrative Science

PAULA S. RICHMAN, Ph.D. (Oberlin, Princeton, Chicago), 1982-85
Assistant Professor of Religion

NICHOLAS LEROY ROHRMAN, Ph.D. (Butler, Miami [Ohio], Indiana), 1977-
Professor of Psychology

SONYA ORLEANS ROSE, Ph.D. (Antioch, Northwestern), 1977-
Associate Professor

DOROTHY J. ROSENBERG, M.L., Ph.D. (Stanford, Washington, Stanford), 1983-85
Assistant Professor of Modern Languages (German)

JONAS OETTINGER ROSENTHAL, M.A. (Swarthmore, North Carolina), 1957-
Professor of Sociology

- DIANNE FALLON SADOFF, Ph.D.^{1, 9} (Oregon, Rochester), 1980-81, 1982-
Associate Professor of English
- ERA SADOFF, M.F.A.^{1, 9} (Cornell, Oregon), 1977-
Associate Professor of English
- DEAN MARIE SANBORN, Ph.D.^{1, 7} (Mount Holyoke, Harvard, Union for
Experimenting Colleges and Universities), 1976-
Lecturer in English
- JOHN SANTOS, M.S. (Knox, Illinois), 1985-
Instructor in Economics
- ANICE ARMO SEITZINGER, M.A. (New York at Stony Brook, Boston College), 1974-
Faculty Member without Rank: Dean of Students
- RICHARD CRITTENDEN SEWELL, M.A.⁵, 1974-
Adjunct Associate Professor of Performing Arts; Director of Powder and Wig
- THOMAS WAYNE SHATTUCK, Ph.D. (Lake Forest, California at Berkeley), 1976-
Associate Professor of Chemistry
- DAVID LAWRENCE SIMON, Ph.D. (Boston University, London), 1981-
Let  Professor of Art
- SONIA CHALIF SIMON, Ph.D.⁷ (Boston University), 1982-
Assistant Professor of Art
- DALE JOHN SKRIEN, Ph.D.¹ (Saint Olaf, Washington), 1980-
Assistant Professor of Mathematics
- DONALD BRIDGHAM SMALL, Ph.D.² (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), 1978-85
Assistant Professor of Modern Languages (Chinese and Japanese)
- DEBORAH ANNE SOIFER, Ph.D.⁷ (George Washington, Chicago), 1979-81, 1984-
Lecturer in Philosophy and Religion
- EDWIN EUGENE SPEARS, JR., Ph.D. (North Carolina at Asheville, Florida), 1984-85
Assistant Professor of Biology
- LEANNE F. STAR, M.A.⁷ (California at Berkeley, Chicago), 1978-80, 1981-83,
1984-85
Lecturer in English
- JOHN BRISON STILLWELL, B.A. (Williams), September-December 1984
Lecturer in Classics
- 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

MARCIA TARDITO, M.A. (Universidad de Chili, Washington), 1984-
Instructor in Modern Languages (Spanish)

LINDA TATELBAUM, Ph.D.⁷ (Cornell), 1982-
Lecturer in English

ALAN SHAW TAYLOR '77, Ph.D. (Colby, Brandeis), 1984-85
Assistant Professor of History

THOMAS HARRY TIETENBERG, Ph.D. (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

KIRSTEN FOGH WALLACE '84, B.A.⁷ (Colby), 1985-
Visiting Lecturer in English

WILLIAM JAMES WALLACE, B.M. (Oberlin), January 1984
Lecturer in Music

ROBERT STEPHEN WEISBROT, Ph.D.⁴ (Brandeis, Harvard), 1980-
Assistant Professor of History; Resident Director of Washington Program, Semester II,
1984-85

DACE WEISS, M.A.⁷ (Toronto), 1981-
Lecturer in Modern Languages (French)

JONATHAN MARK WEISS, Ph.D.⁶ (Columbia, Yale), 1972-
Associate Professor of Modern Languages (French)

GUENTER WEISSBERG, J.D., Ph.D.⁶ (New York University, Columbia Law,
Columbia), 1965-
Professor of Government; Director of Washington Program, Semester II, 1983-84

GINA S. WERFEL, M.F.A.¹⁰ (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.³ (Harvard), 1961-
Professor of Classics

JOHN DAVID WESTLIE, Ph.D. (New College, Minnesota, Yale), 1981-85
Assistant Professor of Modern Languages (French)

RICHARD LATHAM WHITMORE, JR., M.Ed. (Bowdoin, Maine), 1970-
Adjunct Associate Professor of Physical Education

LINDSAY B. WILSON, Ph.D. (Wesleyan, Stanford), 1985-
Assistant Professor of History

STEPHEN RICHARD WOODY, M.F.A. (California State, Yale), 1976-
Adjunct Associate 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.⁴ (Trinity, Connecticut), 1978-
Associate Professor of Psychology

MELLEN DORIN ZOHNER, Ph.D. (Brigham Young, Massachusetts), 1963-66, 1969-
Associate Professor of Psychology

On leave full year 1984-85.

On leave full year 1985-86.

On leave first semester 1984-85.

On leave first semester 1985-86.

On leave second semester 1984-85.

On leave second semester 1985-86.

Part-time.

Professors Bernard and Hunter share a joint appointment.

Professors Dianne and Ira Sadoff share a joint appointment.

⁰Professors Pardee and Werfel share a joint appointment.

¹Taylor Lecturers De Vito and Porter share a joint appointment.

²On medical leave.

Applied Music Associates

MARY JO CARLSEN, B.A., B.Mus. (University of Washington)
Violin; Concertmaster

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)
Electronic Music, Violin, and Viola; Director of Colby Band

JEAN ROSENBLUM, B.A. (Oberlin)
Flute

WILLIAM WALLACE, B.M. (Oberlin)
Piano

CHRISTOPHER C. YOUNG, B.A. (Bates)
Organ

Marshals

YVONNE RICHMOND KNIGHT, M.B.A.
College Marshal

THOMAS WILLIAM EASTON, Ph.D.
 GEORGE CALVIN MACKENZIE, Ph.D.
 JANE MERYL MOSS, Ph.D.
Assistant College Marshals

STANLEY A. NICHOLSON, Ph.D.
Platform Marshal

Assistants

BETSY CHAMPLIN, M.S., 1971-
Assistant, Biology

LAURO DE LA ROSA SANCHEZ, B.A., 1984-86
VALENTINA HERNANDEZ CASADO, B.A., 1984-86
Assistants, Spanish

FALKO BOHME, B.A., 1985-86
Assistant, German

BRUCE RUEGER, M.S., 1984-
Assistant, Geology

JEAN MCINTYRE, B.A., 1976-
Assistant, Chemistry

WILLIAM M. TIERNAN, B.A., 1979-
Assistant, Physics

KIRSTEN F. WALLACE '84, B.A., 1984-
Assistant, Writing Center

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
Foreign Study and Student Exchange Programs
 Policy Review and Accrediting
 Study Abroad and Exchange Program Advisers
Independent Major Board
Library
Senior Scholars
Student Affairs

Faculty Committees

Advisory Committee on Faculty Personnel Policies
Appeals Board¹
Graduate Scholarship
Grievance
Hearing Committee for Dismissal Proceedings
Nominating
Promotion and Tenure

Remembrance
 Research, Travel, and Sabbatical Leaves
 Standing

†As described in Article v, "Student Judiciary," of *The Student Handbook*.

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
 Committee to Fund Students' Special Projects
 Humanities Grants Committee
 Social Sciences Grants Committee
 Natural Sciences Grants Committee
 Health Care Advisory Committee
 Interdisciplinary Studies Council
 Lipman Lecture Committee
 Professional Preparation, Law and Government Service
 Professional Preparation, Medicine and Dentistry

Administration 1985-86

President, WILLIAM R. COTTER, J.D., 1979-

Administrative Assistant to the President, CAROL A. WELCH, B.S., 1973-

Corporate Secretary, SIDNEY W. FARR '55, M.A., M.B.A., 1960-

Vice President for Academic Affairs and Dean of Faculty, ROBERT P.

MCARTHUR, Ph.D., 1972-

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, 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., 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-

Associate Director of Personnel Services, ROBERT E. KEANE, M.P.A., 1985-

Treasurer, DOUGLAS E. REINHARDT '71, M.B.A., 1972-

Controller, ROBERT ST. PIERRE, B.S., 1985-

Director of Administrative Services, KENNETH T. GAGNON, B.A., 1981-

Bookstore Manager, JESSICA S. T. GOWER, 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, TERENCE LANDRY

Assistant Manager, Johnson/Chaplin Commons, PETER BRAMLEY

Lovejoy Commons, DAWN WILLIAMS

Mary Low Commons, LINDA MARIANO

Director of Physical Plant, ALAN D. LEWIS, B.S., 1984-
Assistant Business Manager, ARTHUR SAWTELLE, B.A., 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-

Vice President for Development and Alumni Relations, G. CALVIN MACKENZIE, Ph.D., 1978-

Alumni Secretary, SIDNEY W. FARR '55, M.A., M.B.A., 1960-
Director of Development, CHARLES P. WILLIAMSON, JR. '63, B.A., 1980-
Assistant Director of Development, JUDITH M. POWELL, M.B.A., 1984-
Director of Planned Giving, DAVID L. ROBERTS '55, M.S., 1977-
Associate Director, Alumni Relations, SUSAN F. COOK '75, B.A., 1981-
Associate Director, Annual Giving, PAMELA M. ALEXANDER, B.A., 1981-
Development Assistant, BARBARA A. LEONARD '83, B.A., 1984-
Assistant Campaign Director, MARY C. ROY, 1968-
Assistant Campaign Director, ERIC F. ROLFSON '73, M.A., 1982-
Development Writer, EDWARD C. DAY, A.B., 1985-

Dean of Admissions and Financial Aid, PARKER J. BEVERAGE, M.A., 1985-

Director of Admissions, ALICE H. LOVE, B.A., 1982-
Associate Dean of Admissions, JUDITH L. BRODY, B.A., 1979-
Associate Dean of Admissions, THOMAS W. KOPP, M.A., 1978-
Assistant Dean of Admissions, DAWN E. OTTO, B.A., 1984-
Assistant Dean of Admissions, VEDA R. ROBINSON '84, B.A., 1984-
Assistant Dean of Admissions, STEVEN H. WASHINGTON, B.A., 1984-
Assistant to the Dean of Admissions, GRETCHEN R. BEAN '85, B.A., 1985-
Director of Financial Aid, SUSAN J. SHEEHAN '83, B.A., 1983-
Assistant Director of Financial Aid, LISA J. BUBAR '73, B.A., 1985-

Dean of the College, EARL H. SMITH, B.A., 1962-

Assistant to the Dean for Scheduling and Facilities,

Chaplains:

Catholic, FATHER PAUL COTE, S.T.B., S.T.L., 1978-

Jewish, RABBI RAYMOND KRINSKY, M.H.L., 1984-

Protestant, RONALD E. MORRELL, 1984-

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-

Associate Dean of Students, JOYCE H. MCPHETRES MAISEL, M.A., 1981-

Housing Coordinator, PAUL E. JOHNSTON, B.A., 1982-

Associate Dean of Students, MARK R. SERDJENIAN '73, B.A., 1984-

Tutor and Study Counselor, ELIZABETH TODRANK, M.Ed., 1961-

Assistant Dean of Students for Intercultural Activities, STEVEN H. WASHINGTON, B.A., 1984-

Director of Safety and Security, PETER S. CHENEVERT, 1980-

- Director of Public Affairs*, PETER J. KINGSLEY, M.A., 1976-
Assistant to the Director of Public Affairs, CATHERINE ANDERSON, Ph.D., 1985-
Director of Publications, BONNIE 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-
Editorial Assistant, REGINA KNOX, B.A., 1984-
College Physician, ROBERT A. GOODELL, JR., M.D., 1985-
Director of Health Services, CARL E. NELSON, M.Ed., 1959-
Psychotherapist, JANET IRGANG, M.S.W., 1980-
Clinical Psychologist, DANIEL A. HUGHES, M.D., 1985-
Health Associate, ANN H. NORSWORTHY, P.A.-C., B.S., 1982-
Physician's Assistant, STEPHEN T. ROMANELLA, P.A.-C., B.A., B.S., 1985-
Head Nurse, PRISCILLA SARGENT, R.N., 1969-
Assistant Trainer, TIMOTHY J. ADAMS, R.P.T., B.S., 1980-
Assistant Trainer, NANCY L. JONES '81, B.A., 1981-

Enrollment by States and Countries

Classified according to geographical locations of students' homes 1984-85

	<i>Men</i>	<i>Women</i>	<i>Total</i>		<i>Men</i>	<i>Women</i>	<i>Total</i>
All Areas	875	821	1,696	South Carolina	2	0	2
New England	587	589	1,176	Tennessee	1	0	1
Connecticut	89	72	161	Texas	6	3	9
Maine	104	127	231	Utah	3	1	4
Massachusetts	313	306	619	Virgin Islands	0	1	1
New Hampshire	35	48	83	Virginia	6	3	9
Rhode Island	34	25	59	Washington	2	0	2
Vermont	12	11	23	West Virginia	1	2	3
				Wisconsin	5	2	7
				Wyoming	0	1	1
Outside				Foreign			
New England	262	215	477	Countries	26	17	43
Alabama	1	0	1	Belgium	0	1*	1
Alaska	1	1	2	Bermuda	0	1	1
Arizona	1	2	3	Bolivia	0	1	1
California	13	17	30	Brazil	1*	0	1
Colorado	6	4	10	Canada	7	2*	9
Delaware	4	3	7	China	1	0	1
District of				England	2*	2**	4
Columbia	1	6	7	France	1	4*	5
Florida	7	2	9	Ghana	2	0	2
Georgia	2	3	5	Hong Kong	2*	1*	3
Hawaii	0	1	1	India	0	1	1
Illinois	15	8	23	Japan	0	1*	1
Indiana	1	3	4	Korea	1*	0	1
Kansas	1	0	1	Nepal	2	0	2
Kentucky	1	0	1	Pakistan	1	0	1
Louisiana	1	1	2	Saudi Arabia	0	1*	1
Maryland	9	14	23	South Africa	2	0	2
Michigan	6	2	8	Sri Lanka	0	1	1
Minnesota	0	7	7	Sweden	1	0	1
Missouri	3	0	3	Switzerland	2	0	2
Montana	1	0	1	Turkey	1	0	1
Nevada	1	0	1	West Germany	0	1*	1
New Jersey	49	31	80				
New York	69	66	135				
North Carolina	0	1	1				
Ohio	12	11	23				
Oregon	0	2	2				
Pennsylvania	30	17	47				
Puerto Rico	1	0	1				

Each * denotes one American citizen.

Degrees Awarded at Commencement Sunday, May 26, 1985

Bachelor of Arts

- Diane Marie Albert, *East Millinocket, Me.*
 Kimberly Sayre Alexander, *Smithsburg, Md.*
 Daniel Wells Allegretti, *Lake Forest, Ill.*
 Carolyn Roselina Altschuler, *Concord, Mass.*
 John Edward Anderson, Jr., *Barrington, R.I.*
 Richard Otis Anderson, *Grafton, Mass.*
 Gregory Andrew Apostol, *Norwell, Mass.*
 Jennifer Kay Armstrong, *Salem, Mass.*
 Richard Maxwell Armstrong III, *West
Chester, Pa.*
 Sara Babcock, *Morrisville, Vt.*
 Kathleen Lynne Bagas, *Brockton, Mass.*
 Joseph Rivero Baker, *Pearl River, N.Y.*
 Robert Fritz Baldwin, *Surry, Me.*
 Lauren B. Ball, *Cheltenham, Pa.*
 George K. Bamfo, *Kumasi, Ghana*
 Elizabeth Ann Banwell, *Cleveland Heights,
Ohio*
 George Lawson Barnes, Jr., *Philadelphia, Pa.*
 Matthew Preston Barry, *Harwichport, Mass.*
 John Winthrop Bates, *Blue Hill, Me.*
 Erica Joy Baum, *Swampscott, Mass.*
 Gretchen R. Bean, *Melrose, Mass.*
 Laurel Pauline Beeman, *Wolfboro, N.H.*
 David Rogers Beers, *Westfield, N.J.*
 David Kendrick Bell, *Concord, Mass.*
 Alicia Gardner Bevin, *Johnstown, Pa.*
 Richard Eugene Bindler, *Montvale, N.J.*
 J. Catherine Blagden, *Milton, Mass.*
 Scott Charles Blair, *Uncasville, Conn.*
 Hannah Elizabeth Blake, *Old Town, Me.*
 Julia Patience Blanchard, *Longmeadow, Mass.*
 Raymond Wheaton Bligh, *Wellesley, Mass.*
 Daniel Irakli Bliss, *Fortune's Rocks, Me.*
 Michael Lawrence Bloom, *Rowayton, Conn.*
 Anne Rachel Boatright, *Bedford, Mass.*
 Mary Beth Boland, *Andover, Mass.*
 Robert Howard Boone, *Bedford, Mass.*
 Mary Elizabeth Boston, *Sydney, Australia*
 Carl Boutiette, *Peabody, Mass.*
 John Anthony Bowen, *Squantum, Mass.*
 Donna Ann Boyler, *South River, N.J.*
 Julie Anne Briggs, *Milton, Mass.*
 Susan Marguerite Brigham, *Berlin, N.H.*
 Alexandra Grant Brown, *Chapel Hill, N.C.*
 Andrew Stanley Brown, *Lexington, Mass.*
 Douglas Hodsdon Brown, *Weston, Conn.*
 George Sears Brownell, *Freeport, Me.*
 Kevin Francis Bruen, *Lynn, Mass.*
 Lynn Ellen Brunelle, *Cape Elizabeth, Me.*
 Michael B. Bruno, *Bristol, R.I.*
 John Estes Buffum, *Barrington, R.I.*
 Rebecca Paige Bullen, *Wellesley, Mass.*
 Paul Richard Burns, *Chappaqua, N.Y.*
 Robin Michelle Bye, *Longmeadow, Mass.*
 Marcie M. Campbell, *Portland, Oreg.*
 Linda Joan Carroll, *Dracut, Mass.*
 Carolyn Ann Caruso, *Bedford, Mass.*
 Mary Meghan Casey, *New Canaan, Conn.*
 Mariette Castillo, *Pelham Manor, N.Y.*
 Andrew Macauley Castle, *Darien, Conn.*
 Wilbur Daniel Cheever, Jr., *Wethersfield,
Conn.*
 Louise L. Cholette, *Manchester, N.H.*
 Brian Mullin Clark, *Glen Ellyn, Ill.*
 Scott Richardson Clark, *Westport, Conn.*
 Kathryn Muriel Clarke, *Darien, Conn.*
 Thomas Ash Claytor, *Radnor, Pa.*
 Sylvester Herbert Clegg III, *Barrington, R.I.*
 Anthony Sanford Coddling, Jr., *Stratham,
N.H.*
 John Joseph Collins, *Jamaica Plain, Mass.*
 John Milton Collins, *Staten Island, N.Y.*
 Thomas Frederick Colt, *Weston, Mass.*
 Robert Joseph Columbus, *Stoneham, Mass.*
 Daniel Lyon Cooke, *Rowley, Mass.*
 Heidi Adams Coventry Cool, *Cleveland, Ohio*
 Julie Ann Copeland, *Shirley Mills, Me.*
 Alison Elizabeth Cox, *Galveston, Tex.*
 Donald Patrick Cronin, *Arlington, Mass.*

- James Edward Cruickshank, *Dover, Mass.*
 Kelli Anne Crump, *Dover, Mass.*
 Stephanie Anne Curtis, *Los Angeles, Calif.*
 Thomas Cushman, *Marblehead, Mass.*
 Maureen Mary Cyr, *Van Buren, Me.*
 Nathaniel Blaney Dane, *Cambridge, Mass.*
 Andrew Adams Davis, *New York, N.Y.*
 Gilbert Fish Davis, *Falmouth, Me.*
 Margaret Anne Davis, *Concord, Mass.*
 Faith Ellen Delaney, *Haverhill, Mass.*
 Philip Anthony DeSimone, *Worcester, Mass.*
 Sarah Richardson Dewey, *Wayland, Mass.*
 Lisa Ann Diffley, *Arlington, Mass.*
 Thomas Andrew Donahue, *Ridgewood, N.J.*
 Keith Michael Donnellan, *Sudbury, Mass.*
 Peter Kyle Dooling, *Beverly, Mass.*
 Thomas Lincoln Downey, *Guilford, Conn.*
 Paul Robert Doyle, *Wethersfield, Conn.*
 Sarah Shepherd Drury, *Lowell, Mass.*
 Matthew David Duffin, *Cherryfield, Me.*
 Carol M. Dunn, *Needham, Mass.*
 Suzanne Tracey Dwyer, *York, Me.*
 Elizabeth Putnam Eddy, *Portland, Me.*
 Wayne Alan Eddy, *Barrington, R.I.*
 Susan Ellen Edwards, *South Yarmouth, Mass.*
 Carol Ilana Eisenberg, *Atlanta, Ga.*
 Julie Talbot Engel, *Greenland, N.H.*
 Deborah Ann England, *Bangor, Me.*
 Elizabeth Seton English, *Torrington, Conn.*
 Paul Gregory Evenson, *Medfield, Mass.*
 Julia Baker Farwell, *Saint John, New Brunswick*
 Catherine Anne Fasolino, *Wellesley, Mass.*
 Arthur Eric Feeley, *Auburn, Me.*
 Christopher Andrews Feiss, *Baltimore, Md.*
 Mario Ferrucci III, *Riverside, R.I.*
 James Andrew St. Clair French, *Swarthmore, Pa.*
 Dennis Jay Fisher, *Newfields, N.H.*
 Linda Elizabeth Flight, *Canton, Mass.*
 Jeffrey Preston Flinn, *Shelburne, Vt.*
 Linda Jean Flora, *Christiansted, St. Croix*
 James Ralph Fraher, *Wickford, R.I.*
 Dawn Anne Gale, *Lovell, Me.*
 Deirdre Eileen Galvin, *Berlin, Conn.*
 Elizabeth Anne Garcia, *Shrewsbury, Mass.*
 Stephen Matthew Geneseo, *Sweden, Me.*
 M. J. Georges, *Harrisburg, Pa.*
 Louis Alfred Geremia, Jr., *Warwick, R.I.*
 Carolyn Elaine Gibbs, *Smithtown, N.Y.*
 James Patrick Gill, *Falmouth, Mass.*
 Kathleen Marie Gillespie, *Wilmington, Mass.*
 Susan Kimberly Glendon, *Bristol, Conn.*
 Wendy Ann Glenn, *Western Springs, Ill.*
 James Kimball Goetz, *Lake Bluff, Ill.*
 David Robert Goldberg, *Lawrenceville, N.J.*
 Theodore Godwin Goodrich, *Ledyard, Conn.*
 Stephen Patrick Gould, *North Adams, Mass.*
 Tracy Leigh Gowen, *Scarborough, Me.*
 Melinda Underwood Griggs, *Essex, Conn.*
 Laurine Frances Gunn, *Newburyport, Mass.*
 Lori Jean Gustafson, *Reading, Mass.*
 Margaret Ellen Hale, *Lisbon Falls, Me.*
 Lisa Marie Hals, *Lexington, Mass.*
 Terrie Jean Hanna, *Stoughton, Mass.*
 Marjorie Lynn Harriman, *Kennebunkport, Me.*
 George F. Harrington, Jr., *Marblehead, Mass.*
 Stephanie Elizabeth Hart, *Pound Ridge, N.Y.*
 Jane Adams Hastings, *Skowhegan, Me.*
 Paul Richard Hause, *Webster Groves, Mo.*
 Steven James Haynes, *Wellesley, Mass.*
 Robert Louis Hazard, *North Kingstown, R.I.*
 Kristin Elisabeth Hazlitt, *East Norwalk, Conn.*
 David Walter Heller, *Concord, Mass.*
 Paul Dean Henion, *Rochester, N.Y.*
 Laurie Ann Herlihy, *Atkinson, N.H.*
 Kimberly Ann Herring, *Cumberland, Me.*
 Thomas Vincent Heyman III, *Upper Montclair, N.J.*
 Bruce David Hickey, *West Hartford, Conn.*
 Roy Laurence Hirshland, *Huntingdon Valley, Pa.*
 Mark Mitchell Hodin, *Lexington, Mass.*
 Vera Hoffmann, *Raynham, Mass.*
 Seth Howard Holbrook, *Hoosick Falls, N.Y.*
 John J. Holden, *New Baltimore, N.Y.*
 Kathryn Keyes Hollander, *Sherman, Conn.*
 Lewis Ball Holmes, Jr., *Wellesley, Mass.*
 Elizabeth Tracy Holt, *Grantham, N.H.*
 Sean Peter Hooper, *Ridgewood, N.J.*
 Christopher Karl Horner, *Greensburg, Pa.*
 Mark William Howard, *Darien, Conn.*
 Wendy Elizabeth Howard, *New York, N.Y.*
 Thomas Mark Hoynes, *Bethesda, Md.*
 Kathryn Craven Hughes, *South Dartmouth, Mass.*
 Matthew Elliott Hummel, *Southbury, Conn.*
 Cory Lynne Humphreys, *Columbus, Ohio*
 Charles Sho-Shing Hung, *Brighton, Mass.*
 Jozsef Hunyady, *Rome, Italy*

- Brian Alan James, *North Haven, Conn.*
 Mary Jane James, *Petaluma, Calif.*
 Susan Letitia James, *Somerset, Mass.*
 Cynthia Denise Jeck, *Mountain Lakes, N.J.*
 Elizabeth Johnson, *Winchester, N.H.*
 Elizabeth Ellen Johnson, *Falmouth, Me.*
 Kristen Suzanne Johnson, *Hamilton, Mass.*
 Stuart Cowles Johnson, *Shaker Heights, Ohio*
 Neal Frederick Kalechofsky, *Marblehead, Mass.*
 Katherine Elizabeth Kamm, *Belleville, Ill.*
 Manoj Kanskar, *Katmandu, Nepal*
 John M. Karoff, *Boston, Mass.*
 Kelly Ann Keenan, *Hampton, N.H.*
 Francis Christopher Kelley, *Manchester, N.H.*
 Gregory Emmet Kelley, *Danvers, Mass.*
 Sarah Crowell Kellogg, *Concord, Mass.*
 Anne Teresa Kenny, *Norwalk, Conn.*
 Stacey Kessel, *Framingham, Mass.*
 Karen Ann Killam, *Bedford, Mass.*
 James Hollis King, *Boston, Mass.*
 Jennifer Kirk, *North Conway, N.H.*
 Karen Rebecca Kirkman, *Atlanta, Ga.*
 Barbara-Jean Knox, *Weare, N.H.*
 Laura Louise Kozloski, *Farmington, Conn.*
 John McDevitt Kramer, *Chicago, Ill.*
 Rodney Belz Krause, *St. Louis, Mo.*
 Harry Frederick Krensky, *Salt Lake City, Utah*
 Suzanne Lynne Krumm, *Mahwah, N.J.*
 Stuart Prahm Krusell, *North Brookfield, Mass.*
 Stanley Francis Joseph Kuzia, *Manchester, N.H.*
 Todd Rode Lachman, *Madison, N.J.*
 Janet Bea Lamoreau, *Presque Isle, Me.*
 Sarah Sheldahl Land, *Mt. Kisco, N.Y.*
 Susan Calista Lang, *Madison, Conn.*
 Stephen Russell Langlois, *Portland, Me.*
 Therese Ferland Langlois, *Providence, R.I.*
 Stephen Jon Larrabee, *Waterville, Me.*
 Sheryl Ann Larson, *South Glastonbury, Conn.*
 Steven Edward Lawson, *Watertown, Conn.*
 Karen Laurine Leach, *Weston, Mass.*
 Christopher Grant Lebherz, *Falmouth, Mass.*
 Richard D. Leitch, Jr., *Babylon, N.Y.*
 Stacie A. Leo, *Merrick, N.Y.*
 Debra Ann Lindberg, *Stow, Mass.*
 Michelle Marie Linder, *Old Lyme, Conn.*
 Benjamin A. Lowry, *Falmouth, Me.*
 Francis Xavier Luca, *Arlington, Mass.*
 Kathryn Price Lucier, *London, England*
 Eric David Lund, *Farmington, Conn.*
 Kimberly Ann Lyford, *Waterville, Me.*
 John Francis Lyons, *Larchmont, N.Y.*
 William Ian MacIndewar, Jr., *Melrose, Mass.*
 Elizabeth Hatheway MacMahon, *Lincoln, Mass.*
 Edward L. Maggiacomo, Jr., *East Greenwich, R.I.*
 Laura Ann Mahoney, *Osterville, Mass.*
 John Pennock Makiver, *Radnor, Pa.*
 Lisa J. Maria, *Topsfield, Mass.*
 Paul Roland Marleau, *Lachine, Quebec*
 Glenn Adam Martin, *Lynnfield, Mass.*
 James Harry Nicholas Martin, *New York, N.Y.*
 Jeffrey Allen Martin, *Marblehead, Mass.*
 Martha Merrifield Martin, *Lexington, Mass.*
 Susan Martin, *Minneapolis, Minn.*
 Terry J. Martin, *New Gloucester, Me.*
 Sydney Themba Masondo, *Durban, South Africa*
 Elisa Anne Maxwell, *Falls Village, Conn.*
 David Powell McCandless, *Marblehead, Mass.*
 Mary Lynne McCarthy, *Wellesley Hills, Mass.*
 Steven Matthew McCarthy, *Lexington, Mass.*
 Roderick Andrew Joseph McGillis, *Peterborough, Ontario*
 Peter Kevin McHugh, *Newton, Mass.*
 James Eyre McHugo, *Zurich, Switzerland*
 Lesley Fiona Melcher, *Kittery, Me.*
 James Robert Meltsner, *New York, N.Y.*
 Thomas Richard Menzies, Jr., *Andover, Mass.*
 Gretchen Lisa Miller, *Avon, Conn.*
 Imogen Pearl Mintzer, *New Hope, Pa.*
 Maria Baldwin Morgan, *New York, N.Y.*
 Thomas Ashley Morgan, *Shreveport, La.*
 Brian Joseph Morin, *Belgrade, Me.*
 Cynthia G. Morris, *Wellesley, Mass.*
 Shannon E. Morrissey, *Irvine, Calif.*
 Heather Starr Morton, *Weston, Mass.*
 Gregory Paul Mueller, *Atlantic Beach, N.Y.*
 Michael R. Muir, *Wilton, Me.*
 Christopher Murphy, *Old Greenwich, Conn.*
 Daniel George Murphy, *Newton, Mass.*
 Marc Lowell Murray, *Albany, N.Y.*
 Andrew David Myers, *Chestnut Hill, Mass.*
 Melanie Marie Nelson, *Wayzata, Minn.*
 Thomas Bowden Nelson, *Darien, Conn.*
 Deborah Jody Neumann, *Lexington, Mass.*

- Wendy W. Neville, *Barrington, R.I.*
 Matthew David Nickerson, *Medfield, Mass.*
 John Frederick Nixon, *Hampton, N.H.*
 Paul Joseph Nolet, *North Andover, Mass.*
 John Markham O'Connor, *Fitchburg, Mass.*
 William M. Olsen, *Somers, Conn.*
 Jonathan Lowell Orcutt, *Lexington, Mass.*
 Suzanne Marie Orcutt, *Medfield, Mass.*
 John Peter O'Toole, *Rutherford, N.J.*
 Jean Stephen Padgett, *Grafton, Mass.*
 Peter Andrew Pagano, *Ossining, N.Y.*
 Noel Laurence Paine, *Raymond, Me.*
 Linda Susan Palian, *Warwick, R.I.*
 Deirdre Kathleen Paul, *West Scarborough, Me.*
 Sarah Rider Peaslee, *Washington, D.C.*
 Lincoln Carret Peirce III, *Durham, N.H.*
 Charissa Lynn Pepin, *Laramie, Wyo.*
 Guillermo Rafael Perez, *Cartagena, Colombia*
 Tammy Jo Perkins, *South Portland, Me.*
 Wendell Leon Perkins, *Muskogee, Okla.*
 Susan A. Perry, *Chatham Township, N.J.*
 Christine Elaine Petersen, *Topsfield, Mass.*
 Edward Joseph Pfister, *Falls Church, Va.*
 Mark Nicholas Phillips, *Nashua, N.H.*
 Aaron Thomas Pickering, *Bellows Falls, Vt.*
 Annette Elizabeth Plummer, *West Lebanon, N.H.*
 James Andrew Polk, *Philadelphia, Pa.*
 Thomas Alfred Ponti, *Andover, Mass.*
 Francis Christopher Porada, *Brooklyn, N.Y.*
 Eric Llewelyn Price, *Quebec, Quebec*
 Virginia Ann Prigge, *Keene, N.H.*
 John H. Prorok, *Allentown, Pa.*
 Bronwyn Sarah Jane Quirk, *Montclair, N.J.*
 Lynne Marie Rawlins, *Danvers, Mass.*
 Joan Marie Ray, *Damariscotta, Me.*
 Miriam Ruth Redcay, *Hingham, Mass.*
 Stephen Bradford Reed, *Scottsdale, Ariz.*
 Mary Minton Reid, *Cincinnati, Ohio*
 David Harris Resnicoff, *Concord, N.H.*
 Beverly Ann Rice, *Hudson, N.H.*
 Jennifer Lorna Robbins, *Brookline, Mass.*
 John Nash Robbins, *Greenwich, Conn.*
 Michael Swing Robertson, Jr., *Berkley, Mass.*
 Christopher Brook Robinson, *Walton-on-Thames, Surrey, England*
 John Olden Robinson, *Westwood, Mass.*
 Leslie Anne Robinson, *Hanover, N.H.*
 Todd Vincent Robinson, *Memphis, Tenn.*
 Kim Stuart Rogers, *York Harbor, Me.*
 Stephen Thomas Rogers, *Akron, Ohio*
 Christine Maria Rona, *Newton Center, Mass.*
 Wendy Rebecca Ronan, *Portland, Me.*
 Gary H. Ruping, *Burlington, Mass.*
 Lauren Elise Russo, *West Hartford, Conn.*
 Caroline Dunning Rymer, *Providence, R.I.*
 Michael Arthur Sanderson, *Brooklyn, N.Y.*
 Julie Christine Sands, *Minneapolis, Minn.*
 Anna Kaiulani Sandstrom, *Honolulu, Hawaii*
 David Alan Sawtelle, *Dexter, Me.*
 John Carroll Schleck, *Madison, Conn.*
 Mark Edward Schleif, *New Canaan, Conn.*
 Heidi Izivia Schwartz, *Sydney, Nova Scotia*
 Eleanor Clare Secker-Walker, *Burlington, Vt.*
 Suzanna Helen Seymour, *Dhahran, Saudi Arabia*
 Shireen Salah Shahawy, *Brooklyn Heights, N.Y.*
 Joy-lim Shaw, *San Francisco, Calif.*
 Thomas Andrew Sheehan III, *Norwell, Mass.*
 Gregory Paul Shefrin, *West Hartford, Conn.*
 John Peter Siletto, *New Canaan, Conn.*
 Carol Simon, *Middlebury, Conn.*
 Peter Hale Simpson, *Mansfield Center, Conn.*
 Joshua James Slavitt, *Norwalk, Conn.*
 Cindy Marie Smith, *Acton, Mass.*
 Jeffrey Dean Smith, *Waterville, Me.*
 Matthew Steven Smith, *New York, N.Y.*
 Jane Rogers Smyth, *Lake Oswego, Ore.*
 Jill Emily Snowman, *Caribou, Me.*
 Catherine Welden Spalding, *Dover, Mass.*
 Lisa Ann Spollen, *Stratford, Conn.*
 Marita Therese Stapleton, *Barrington, R.I.*
 Kevin Paul Starr, *Belmont, Mass.*
 Catherine Odette Stehman, *Western Springs, Ill.*
 Maryanne Viola Stevens, *Waterville, Me.*
 Sarah Borden Stevens, *Tiverton, R.I.*
 Ryan Sherburn Stinneford, *Weld, Me.*
 Frederick James Stone, *Annisquam, Mass.*
 Harland E. Storey, Jr., *Cumberland, Me.*
 Thomas Clark Sturtevant, Jr., *Wayland, Mass.*
 Deanna Lynn Swan, *Bar Harbor, Me.*
 Paul Allan Swartz, *Westwood, Mass.*
 Matthew Michael Swift, *West Hartford, Conn.*
 Susan Talburt, *Houston, Tex.*
 Clifford Avery Tell, *Bethesda, Md.*
 Carla M. Thompson, *Limestone, Me.*
 Lanze J. Thompson, *Hyde Park, Mass.*

Elizabeth Anne Towle, *Arlington, Mass.*
 Bradford Marshall Tracey, *Beverly, Mass.*
 Kevin Mark Trant, *Somerville, Mass.*
 Amey Anne Travis, *Colts Neck, N.J.*
 Amy Reeves Trott, *Old Tappan, N.J.*
 Eric Morgan Trucksess, *Wilton, Conn.*
 Keith Patrick Turley, *Palmer, Mass.*
 Jennifer Halley Tuttle, *Amherst, N.H.*
 BethAnn Tutunjian, *Quincy, Mass.*
 Catherine Cary Urstadt, *Bronxville, N.Y.*
 Gail Susan Usher, *Farmington, Conn.*
 Michael Thomas Vail, *Portland, Me.*
 Alexander Christos Vailas, *Manchester, N.H.*
 Thomas W. Valinote, *Dover, Mass.*
 Michael Philip Veilleux, *Waterville, Me.*
 Peter Hynes Viele, *Wilton, Conn.*
 Tracy Lehualani Waite, *Southborough, Mass.*
 Mitchell John Walkowicz, *Dudley, Mass.*
 Heidi Anne Wass, *Blue Hill, Me.*
 David Scott Bunker Wasson, *New Milford, Conn.*
 Oscar W. Weekes, Jr., *Boston, Mass.*
 Joseph Barnet Weinberger, *Allentown, Pa.*
 Mary Alice Weller, *Lincoln, Del.*
 Giles Thomas Welles, *New Haven, Conn.*
 Christopher Field West, *Avon, Conn.*
 Peter Westervelt, *Waterville, Me.*
 David M. Westra, *Reading, Mass.*
 Bradford Stark Whitaker, *Beverly, Mass.*
 Anna Elizabeth White, *Bridgton, Me.*
 Ann-Margaret White, *Ogden, Utah*
 Jacqueline White, *Washington, D.C.*
 Victoria Jean Whited, *South Portland, Me.*
 Glen Mark Wild, *Brunswick, Me.*
 Barbara Anne Wilkes, *Amherst, N.H.*
 Marie Seminary Willey, *Waterville, Me.*
 Charmongenee Williams, *Washington, D.C.*
 Margaret Lynn Williams, *New Orleans, La.*
 Glenn Steven Wilson, *Gloucester, Mass.*
 Margaret Mary Wimmer, *Loudonville, N.Y.*
 Joel Hoefler Witter, *Dillon, Colo.*
 Sarah Stanley Wood, *Bedford, N.H.*
 Elizabeth Gail Woodhouse, *Madrid, Me.*
 Leslie Dana Woron, *Boston, Mass.*
 Andrew Roy Worthington, *Glastonbury, Conn.*
 Neil James Wysocki, *Lynnfield, Mass.*
 Laurence Michael Yorra, *Randolph, Mass.*
 Jonathan Roderick Zelnik, *Timonium, Md.*

As of the Class of 1976
 Deanne Kay Herman, *Waterville, Me.*

As of the Class of 1977
 Michael Sbarga, *West Hartford, Conn.*

As of the Class of 1979
 Bruce R. Forsley, *Waterville, Me.*

As of the Class of 1982
 Victoria Mae Hykes, *Anchorage, Alaska*

As of the Class of 1984
 Nancy Dana Finman, *Edison, N.J.*
 John Arthur Hattan, *Salisbury, N.H.*

Degrees Granted in October
as of the Class of 1984
 Roy Howard Dow, *Dexter, Me.*
 Richard Hooper Eustis, Jr., *Exeter, N.H.*
 Andrew Heard Lufkin, *Tacoma, Wash.*

Honorary Degree Recipients

William F. Buckley, Jr.
Doctor of Laws

Kenneth B. Clark
Doctor of Humane Letters

Ansel Albert Grindall
Bachelor of Arts

Peter David Hart
Doctor of Laws

James Charles Lehrer
Doctor of Humane Letters

Robert B. W. MacNeil
Doctor of Humane Letters

Olympia J. Snowe
Doctor of Laws

*Died May 17, 1985

Honors

Senior Marshals

Carla M. Thompson
Peter Westervelt

Bachelor's Degree with Honors

Summa Cum Laude

Scott Richardson Clark
Tracy Leigh Gowen
Lori Jean Gustafson
Kathryn Price Lucier
David Alan Sawtelle
Catherine Odette Stehman
Carla M. Thompson
Peter Westervelt

Magna Cum Laude

Donna Ann Boyler
Carolyn Ann Caruso
Catherine Anne Fasolino
Elizabeth Tracy Holt
Sarah Crowell Kellogg
Stacey Kessel
James Harry Nicholas Martin
Martha Merrifield Martin
James Eyre McHugo
Lincoln Carret Peirce III
Wendy Rebecca Ronan
Elizabeth Gail Woodhouse

Cum Laude

Daniel Wells Allegretti
John Winthrop Bates
David Rogers Beers
Richard Eugene Bindler
Julie Ann Copeland
Carol Ilana Eisenberg
Julie Talbot Engel
Dennis Jay Fisher
Dawn Anne Gale
Louis Alfred Geremia, Jr.
Lisa Marie Hals
Terrie Jean Hanna
John Arthur Hattan ('84)
John J. Holden
Lewis Ball Holmes, Jr.
Charles Sho-Shing Hung
Jozsef Hunyady
Brian Alan James

Elizabeth Johnson
Katherine Elizabeth Kamm
Manoj Kanskar
Kelly Ann Keenan
Karen Ann Killam
Karen Rebecca Kirkman
Laura Louise Kozloski
Todd Rode Lachman
Therese Ferland Langlois
Francis Xavier Luca
Elizabeth Hatheway MacMahon
Lisa J. Maria
Terry J. Martin
Thomas Richard Menzies, Jr.
Cynthia G. Morris
Marc Lowell Murray
Deborah Jody Neumann
John Markham O'Connor
Jonathan Lowell Orcutt
Susan A. Perry
Mark Nicholas Phillips
Aaron Thomas Pickering
Francis Christopher Porada
Joan Marie Ray
Miriam Ruth Redcay
David Harris Resnicoff
John Nash Robbins
Leslie Anne Robinson
Gary H. Ruping
Caroline Dunning Rymer
Shireen Salah Shahawy
Cindy Marie Smith
Sarah Borden Stevens
Ryan Sherburn Stinneford
Matthew Michael Swift
Susan Talburt
Amey Anne Travis
Eric Morgan Trucksess
Tracy Lehualani Waite
Marie Seminary Willey
Margaret Mary Wimmer

Honors in Economics

Cynthia G. Morris
Christine Elaine Petersen

Honors in Government

John McDevitt Kramer

Honors in History
Francis Xavier Luca

Distinction in the Major

Administrative Science

Louis Alfred Geremia, Jr.
Terrie Jean Hanna
Elizabeth Tracy Holt
Katherine Elizabeth Kamm
Stacey Kessel
Lisa J. Maria
Tracy Lehualani Waite

Administrative Science-Mathematics

Therese Ferland Langlois
Wendy Rebecca Ronan

American Studies

Gretchen R. Bean
Margaret Ellen Hale
Susan A. Perry
Leslie Anne Robinson
Peter Hale Simpson
Catherine Welden Spalding
Laurence Michael Yorra

Art

James Andrew St. Clair French
Lincoln Carret Peirce III
Stephen Thomas Rogers

Biology

Donna Ann Boyler
Brian Mullin Clark
Catherine Anne Fasolino
Paul Dean Henion
Cynthia Denise Jeck
Sarah Crowell Kellogg
Elizabeth Hatheway MacMahon
Tammy Jo Perkins
Catherine Odette Stehman

Biology: Environmental Science

Lauren B. Ball

Chemistry: Biochemistry

Kelly Ann Keenan
Deborah Jody Neumann

Classics

Louis Alfred Geremia, Jr.
John Markham O'Connor

Francis Christopher Porada
Peter Westervelt

Classics-English

Stephen Matthew Geneseo

East Asian Studies

Richard D. Leitch, Jr.
Bradford Marshall Tracey

Economics

Carolyn Ann Caruso
Scott Richardson Clark
Mark William Howard
Jozsef Hunyady
Brian Alan James
Stacey Kessel
Todd Rode Lachman
Stephen Russell Langlois
Michelle Marie Linder
Kathryn Price Lucier
James Eyre McHugo
Cynthia G. Morris
Marc Lowell Murray
Andrew David Myers
Christine Elaine Petersen
Caroline Dunning Rymer
Heidi Izivia Schwartz
Thomas Andrew Sheehan III
Margaret Mary Wimmer

Economics-Mathematics

Cindy Marie Smith

Economics: Public Policy

Julie Christine Sands

English

Carolyn Roselina Altshuler
Mary Meghan Casey
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Nathaniel Blaney Dane
Carol M. Dunn
Julia Baker Farwell
Dennis Jay Fisher
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Sarah Sheldahl Land
 Karen Laurine Leach
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 Rebecca Paige Bullen
 Carolyn Ann Caruso
 Sarah Crowell Kellogg
 Deirdre Kathleen Paul
 Sarah Rider Peaslee
 Charmongenee Williams

Geology

Sarah Richardson Dewey
 Elizabeth Gail Woodhouse

Geology: Environmental Science

Sarah Richardson Dewey

German

Diane Marie Albert
 Richard Eugene Bindler
 Miriam Ruth Redcay
 Gary H. Ruping
 Anna Elizabeth White

Government

Robin Michelle Bye
 John Joseph Collins
 Daniel Lyon Cooke
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 Nancy Dana Finman ('84)
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 Lewis Ball Holmes, Jr.
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 John McDevitt Kramer
 Harry Frederick Krensky
 Stuart Prahm Krusell
 James Robert Meltsner
 Jonathan Lowell Orcutt
 Sarah Rider Peaslee
 David Harris Resnicoff
 Gregory Paul Shefrin
 Gail Susan Usher

Government: Public Policy

Deanna Lynn Swan

History

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 David Rogers Beers
 David Kendrick Bell
 Julia Patience Blanchard
 Paul Robert Doyle
 Linda Jean Flora
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 John Peter O'Toole
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 Thomas Andrew Sheehan III
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Human Development

Julie Talbot Engel
 Sarah Borden Stevens

Independent: Arts Management

Shireen Salah Shahawy

Independent: Russian Studies

James Harry Nicholas Martin

Mathematics

Tracy Leigh Gowen
 Aaron Thomas Pickering
 David Alan Sawtelle

Music

Elizabeth Johnson

Philosophy

Jennifer Kay Armstrong
 Douglas Hodsdon Brown
 Mary Meghan Casey
 Carol Ilana Eisenberg
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Philosophy-Religion

Jennifer Kay Armstrong

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Manoj Kanskar
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Psychology

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Sheryl Ann Larson

Bronwyn Sarah Jane Quirk

Spanish

Mary Beth Boland

Marie Seminary Willey

Phi Beta Kappa*Elected in Junior Year*

Tracy Leigh Gowen

Elected in Senior Year

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 Martha Merrifield Martin, *Lexington, Mass.*
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 Robert Francis MacDonald, *Bridgton, Me.*
 Mary Hopkins McNear, *Nantucket, Mass.*
 John Francis Nadwairski, *Acton, Mass.*
 Brett Linn Oakes, *Wenham, Mass.*
 Timothy Steven Oakes, *Boise, Ida.*
 Steven Carl Runge, *Springfield, Va.*
 Roma Ashok Vasa, *Cherry Hill, N.J.*
 Katherine Ann Wincapaw, *Monhegan, Me.*

Senior Scholars

James Harry Nicholas Martin
An Introduction to Independent Creative Writing: Poetry

James Eyre McHugo
The Role and Future of Greek Shipping in the World

Lincoln Carret Peirce III
Painting: Exploring an Evolutionary Process

Susan A. Perry
Eugene O'Neill: A Study in Background and Production

Ralph J. Bunche Scholars

Class of 1985

Mariette Castillo, *Pelham Manor, N.Y.*
 Deborah Ann England, *Bangor, Me.*
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 Todd Vincent Robinson, *Memphis, Tenn.*
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Class of 1985

Diane Marie Albert, *East Millinocket*
 Maureen Mary Cyr, *Van Buren*
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 Jane Adams Hastings, *Skowhegan*

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Tammy Jo Perkins, *South Portland*
Carla M. Thompson, *Limestone*
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Robert Laurier Aube, *Lewiston*
Sara Hatice Bengur, *Southwest Harbor*
Willa Lilan Cobb, *Sangerville*
Anita Jean Dunton, *Burnham*
Scott Hunter, *Caribou*
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Linda Marie Elliott, *Skowhegan, Me.*
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Class of 1987

Robert Laurier Aube, *Lewiston, Me.*
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College Calendar 1985-86

First Semester

Wednesday, September 4	Orientation program begins
Sunday, September 8	Registration
Monday, September 9	First classes
Friday, September 27 <i>through</i> Sunday, September 29	Freshman Parents Weekend
Friday, October 11 <i>through</i> Sunday, October 13	Upperclass Parents Weekend
Monday and Tuesday, October 21, 22	Midsemester break (no classes)
Friday, November 8 <i>through</i> Sunday, November 10	Homecoming Weekend
Wednesday, November 27, at the conclusion of 12:30 classes <i>to</i> Monday, December 2, 8 a.m.	Thanksgiving recess
Thursday, December 12	Last classes of first semester
Friday, December 13	Last day for scheduled events
Monday, December 16 <i>through</i> Saturday, December 21	Semester examinations
Sunday, December 22	Make-up examinations (residence halls closed for winter recess)

January Term

Friday, January 3 <i>through</i> Wednesday, January 29	January program (Saturday, January 4 is a scheduled class day)
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Second Semester

Tuesday, February 4	Registration
Wednesday, February 5	First classes
Friday, March 21, 5:30 p.m. <i>to</i> Monday, March 31, 8 a.m.	Spring recess (residence halls closed)
Friday, May 9	Last classes of second semester
Saturday, May 10	Last day for scheduled events
Wednesday, May 14 <i>through</i> Monday, May 19	Semester examinations
Tuesday, May 20	Make-up examinations
Saturday, May 24	Baccalaureate
Sunday, May 25	Commencement
Friday, June 6 <i>through</i> Sunday, June 8	Reunion Weekend

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 1986-87

First Semester

Wednesday, September 3

Sunday, September 7

Monday, September 8

Monday and Tuesday, October 20, 21

Wednesday, November 26, at the conclusion of 12:30 classes to

Monday, December 1, 8 a.m.

Thursday, December 11

Friday, December 12

Tuesday, December 16 *through*

Sunday, December 21

Monday, December 22

Orientation 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 (residence halls closed for winter recess)

January Term

Wednesday, January 7 *through*

Tuesday, February 3

January program

Second Semester

Tuesday, February 10

Wednesday, February 11

Friday, March 27, 5:30 p.m. to

Monday, April 6, 8 a.m.

Friday, May 15

Saturday, May 16

Wednesday, May 20 *through*

Monday, May 25

Tuesday, May 26

Saturday, May 30

Sunday, May 31

Registration

First classes

Spring recess (residence halls closed)

Last classes of second semester

Last day for scheduled events

Semester examinations

Make-up examinations

Baccalaureate

Commencement

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