

1983

University of Southern Maine Course Catalog Summer 1983

University of Southern Maine

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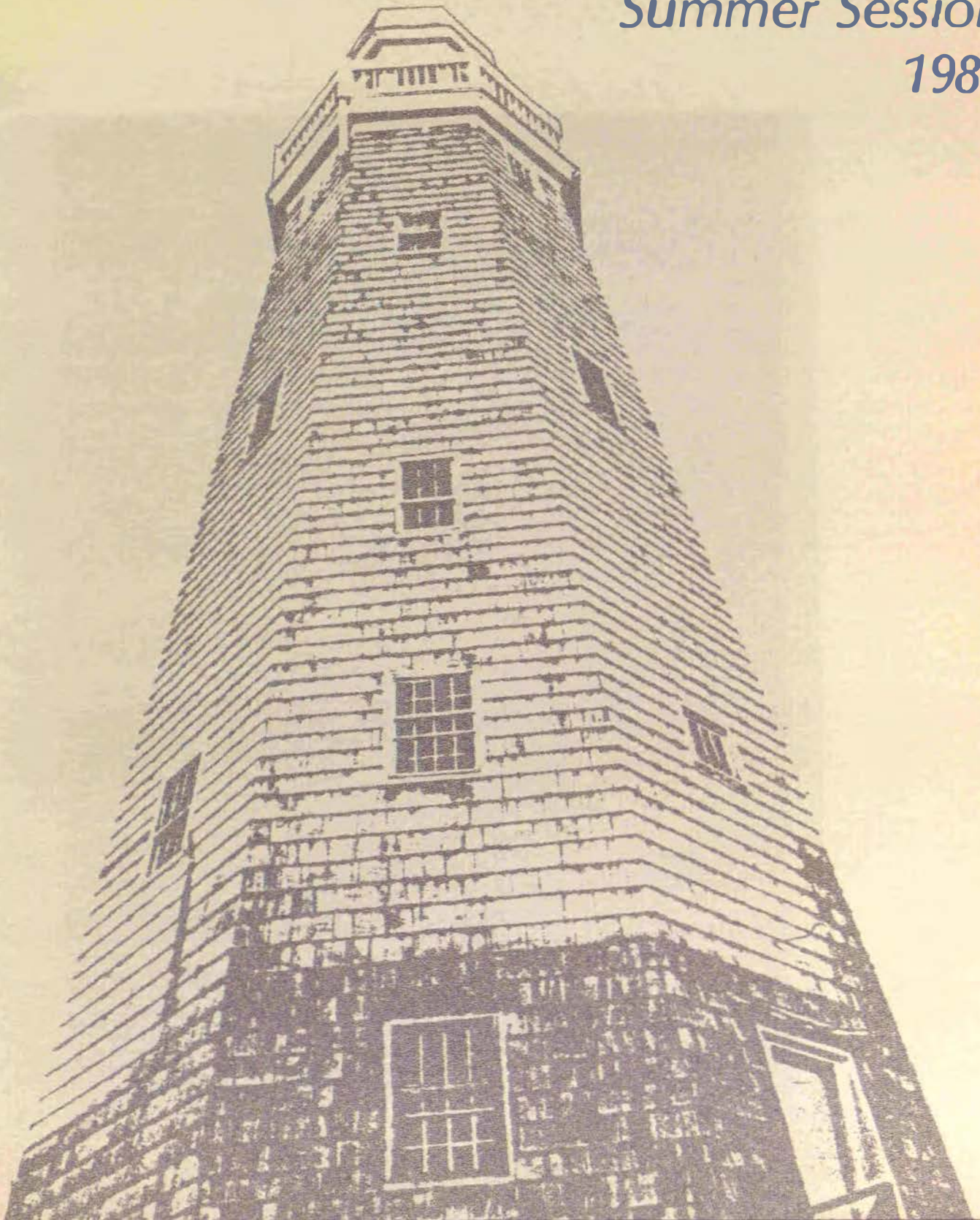
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University of Southern Maine
Summer Session
1983





University of Southern Maine
Summer Session 1983

Summer Session Calendar

MAY

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

JUNE

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30

JULY

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

AUGUST

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

Summer Session Schedule

May 16	Session 1 begins
May 16	Session 2 begins
June 8	Session 2 ends
June 13-17	Break
June 20	Session 3 begins
June 27	Session 5 begins
June 30	Session 1 ends
July 5	Session 4 begins
July 13	Session 3 ends
July 18-22	Break
July 25	Session 6 begins
July 27	Session 5 ends
August 17	Session 6 ends
August 18	Session 4 ends

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The University of Southern Maine does not discriminate on the basis of race, color, creed, sex, national origin, handicap, or age in the recruitment and admission of students, the recruitment and employment of faculty and staff, and the operation of any of its programs and activities, as specified by federal and state laws and regulations. The designated coordinator for University compliance with these laws is Kathleen H. Bouchard, Director of Equal Employment Opportunity/Affirmative Action.

University of Southern Maine

The University of Southern Maine (USM) is a coeducational, public university located in Portland and Gorham, Maine, with an enrollment of over 8,000 students during the regular academic year. The University is accredited by the New England Association of Schools and Colleges. During the summer, over 3,000 students attend classes and take advantage of the abundant recreational activities offered in southern Maine. Because the University is composed of two campuses, it provides the appeal of a small campus along with the diversity of a large university.

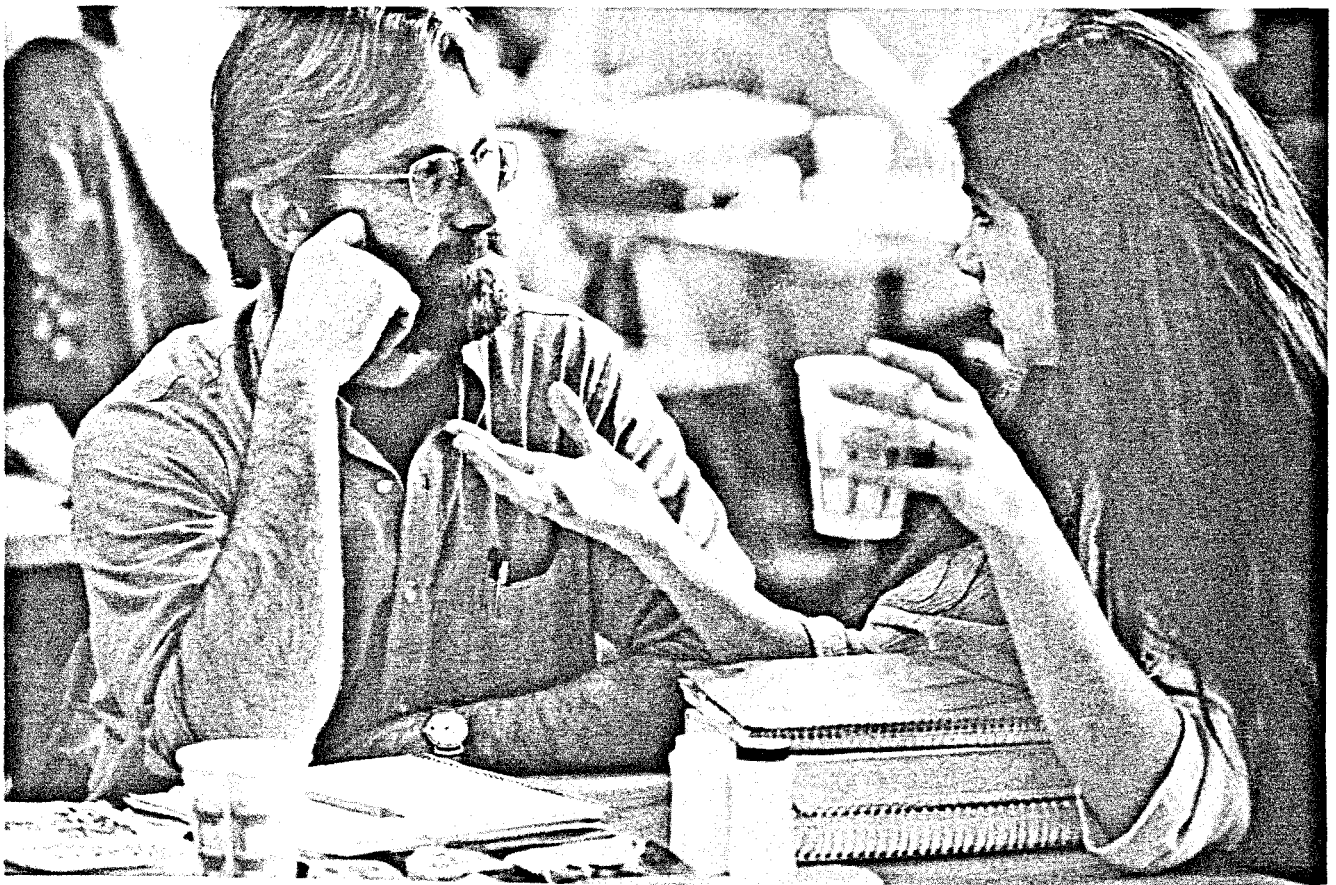
The University operates from 8:00

A.M. to 9:30 P.M., offering classes in liberal arts, teacher preparation, nursing, business, and law. In addition the University has a Department of Conferences, which sponsors a number of programs to bring together people to share ideas and interests. In the summer of 1983, the University will offer over 250 credit and non-credit courses and a number of special institutes and programs: a Mathematics Institute, the Stonecoast Writers' Conference, an Elderhostel program, and a music camp for talented high school musicians. The Theatre Department will stage *My Fair Lady*, and a number of poetry readings and

art exhibits are planned throughout the summer.

The Gorham campus offers modern dormitory accommodations at reasonable rates. Complete and modern gymnasiums on both campuses are headquarters for the University's popular Lifeline programs and are available to summer students.

There are a number of unique points of interest both on the Gorham campus, which is more than 100 years old, and on the newer Portland campus. At Gorham is the McLellan House, dating from 1773 and believed to be the oldest brick house in the state of Maine. The Art Gallery, built



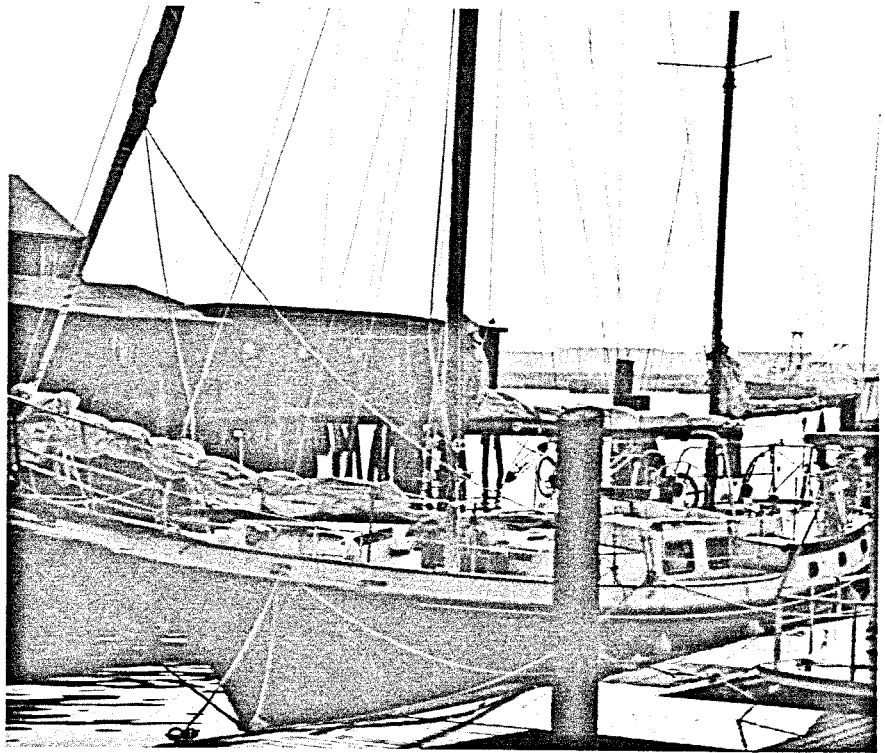
in 1878, was an early Gorham town hall and is open afternoons and evenings during the summer. Corthell Hall, built in 1878 and named for the first president, now houses the music department, the Registrar's office, and the offices of business and financial aid. The President's house was built in 1906 and is the home of the president, Dr. Robert Woodbury.

Among the many buildings on the Portland campus are the Alumni Center, the only remaining building of the Deering Estate, an eighteenth-century farm; the seven-story Center for Research and Advanced Study, which houses the University of Maine School of Law; and a modern science building, which houses the Southworth Planetarium, considered to be one of New England's finest.

The Intown Learning Center at 68 High Street was the early site of Portland Children's Hospital, was later the first location of the University of Maine School of Law, and now provides a convenient location for classrooms in the downtown area.

Students are encouraged to take advantage of the University's ideal location. Lakes, mountains, and the Maine coast afford a variety of recreational opportunities during the summer. Two coastal state parks (Crescent Beach and Two Lights State Parks) are about a half-hour's drive from either campus. To the west, Sebago Lake State Park is about a 45-minute drive from the Gorham campus. For those who enjoy the mountains, New Hampshire's White Mountains are only an hour's drive from the Gorham campus. The entire area is dotted with golf courses, including the excellent Riverside Municipal Golf Course. For the more adventurous, there's horse racing at Scarborough Downs and stock car racing at several nearby tracks.

In addition to musicals on campus, music lovers can attend local concerts, some of which are free. Drama enthusiasts can attend plays and musical comedies in many summer theaters, such as the Ogunquit Playhouse, where world-famous stars take leading roles throughout the summer-long schedule.



Special Programs

Refer to page 17 for key to course times and locations for Core 103 and EDUW 578.

Day Care Center

Monday through Friday, 7:30 A.M. to 5:00 P.M.

The Day Care Center provides time for free play activities, structured teacher-directed group activities, and time for children, ages two-and-one-half to five years, to spend with a group of friends or by themselves. Morning snack, lunch, and afternoon snack are provided and a nap period is part of the children's day.

For further information and fees, contact the Center: Hall School, 23 Orono Rd., Portland, Maine. Or call 773-0881.

Core 103 Revolution in the Arts (1850-1910)

June 20-July 13

A study of the changes in art, music, and theatre from 1850-1910 in light of cultural and historic events. The team-taught course uses lectures, slides, live and recorded music, and theatrical dramatizations. No prerequisites. Section 01: S3; MTW 8:15-11:30; BAIL 405; G. Cr 3.



Stonecoast Writers' Conference

July 11-22

The Stonecoast Writers' Conference is for students and teachers who seek to improve their written work in the areas of poetry, fiction, and novels. The staff consists of generous, inspiring, and personable professional writers with distinguished experience in teaching and a remarkable record of written achievement.

In order to place students in the most appropriate writing course, it is recommended that students send samples of their poetry or fiction and a brief description of educational background and interest with a stamped, self-addressed envelope to: Kenneth Rosen, director, Stonecoast Writers' Conference, English Department, USM, 96 Falmouth St., Portland, Maine 04103.

EDUW 578 Robert A. Taft Institute of Government Studies

July 6-July 18

The Taft seminars for teachers give teachers and librarians of elementary and secondary schools the opportunity for lively participation with public officials, political activists, and university instructors in a two-week program. The Taft Institute is a resident program offering academic credit, board and room, tuition, and texts. For information, write: Dr. Irving D. Fisher, Department of Political Science, USM, 96 Falmouth St., Portland, Maine 04103. Section 01: S7; 7/6-7/18 MTWThF 8:30-4:30; BAIL 404 G. Cr 3.

Children's Art Workshop

June 27-July 29

This five-week course for children emphasizes planned studio experiences in a variety of two- and three-dimensional art media. One week will focus on drawing, two weeks will be devoted to projects exploring color, and two weeks will be devoted to explorations of form. Students will work with a variety of drawing and painting materials, yarn, fabric and dyes, and will construct and sculpt with clay, paper, wire, and wood. Professional artists will be invited and fieldtrips are planned. Materials will be provided. A final exhibition is planned. S7; MTWThF 8:30-1:00 P.M. (includes class, lunch, and recreation). Cost: \$70.00 for children of USM students; \$120.00 for all others.

Women's Studies

The Women's Studies Program is an interdisciplinary academic program for undergraduates focusing on the study of women, women's experience and accomplishments, the gendering of knowledge, and the new knowledge, theories, and research that derive from women's studies. The program, open to both women and men, may be particularly useful for those whose future careers will concern issues dealing with women or with families, whether in public service, private industry, academia, or community life. Students interested in this program may contact the coordinator for information on requirements. Coordinator: Joanne H. Clarey, Luther Bonney Hall, 780-4326.

Institutes for Educators

The Professional Development Center of the College of Education sponsors special summer programs for graduate credit and recertification credit.

Adult Education Institute

June 21-23

The Maine Adult and Community Education Staff Development Project is sponsoring this institute for adult educators at Hastings Hall, University of Southern Maine, Gorham. This is an institute to provide training for adult education teachers. The topic and instructors will be announced at a later date. For further information, contact: Staff Development Project, 128 Shibles Hall, University of Maine at Orono, Orono, Maine 04469. Or call 581-2458.

Southern Maine Writing Institute

June 27-July 15

The Southern Maine Writing Project, a writing project affiliated with the National Project Network, will conduct an intensive three-week writing institute designed to develop materials and presentations for subsequent in-service workshops. Graduate credit and recertification credit available. For further information, contact Nye Bemis at 780-5326.

Institute on Excellence in Schools

July 11-13

An opportunity for school system planning teams to meet with nationally known experts, school system innovators, and each other to stimulate planning to achieve excellence in schools. Recertification credit available. For further information, contact Nye Bemis at 780-5326, or Loren Downey at 780-5371.

In Celebration of Children's Literature: 1983

July 13-15

A three-day institute immersing the participants in the wonders of children's books. Drawing upon the talents of authors/illustrators, storytellers, university and master teachers, the institute will provide participants with the skills to use literature in exciting ways with students. Teachers, administrators, librarians, and parents are welcome. Recertification credit available. For further information, contact Joyce Martin at 780-5326, or Carol LaMontagne at 780-5315.

Math Institute

July 18-29

This institute will survey the evolution of mathematical practice and thinking in western civilization; the nature of mathematics and its applications according to various schools of thought; the crisis in the foundations of mathematics at the turn of the century; logicism, formalism, and intuitionism; the role of logic and formalism in mathematics. The program will be conducted by Dr. Walter Van Stigt, a well-known and published mathematician educator from England. For further information, contact Nye Bemis at 780-5326.

Community Education Institute

July 18-21

This institute is designed for those striving to bring about excellence in schools to meet their community's lifelong needs, focusing upon varied approaches to interagency cooperation and collaboration. Groups from a community's school and other human service organizations will derive particular benefit by attending as a team. This is a companion to the Excellence in Schools Institute. Attendance at both, while not required, will enhance learning. Graduate credit and recertification credit available. For further information, contact David S. Fearon at 780-5316.



Middle School Summer Institute

July 18-21

The institute provides an opportunity for teams from school systems to explore four critical middle school/junior high school issues: team teaching, advisor-advisee programs, interdisciplinary curriculum, and parent involvement. Each school team will also select one topic to pursue in-depth. The objective is to have each team develop a program, during the course of the institute, that can be implemented in the school. Graduate credit and recertification credit available. For further information, contact Cherie Major at 780-5300, or Carol LaMontagne at 780-5315.

Arts Education Institute

August 1-12

The institute is designed to provide a wide variety of arts experiences and arts education strategies for elementary classroom teachers who wish to incorporate more arts in their educational programs. Graduate credit and recertification credit available. For further information, contact Jo-Anna Moore at 780-5460.

Health Educators Institute

August 22-26

The Professional Development Center will conduct an intensive one-week institute designed to develop materials and presentations for in-service workshops in health education. Recertification credit available. For further information, contact Nye Bemis at 780-5326.

The Department of Industrial Education and Technology, the Department of Educational and Cultural Services, and Bureau of Vocational Education and Division of Special Education will offer the following institutes. For information on any of these programs, contact Carl Helms or Jim Wright at 780-5442.

Institute on Functional Programming for Handicapped Students

June 20-24 (tentative)

There will be speakers and study sessions on assessment, teaching methods, and program planning for secondary age handicapped learners. Three credits. Graduate credits through in-service.

Pre-service Vocational Teachers Institute

Pre-service training in educational organization, methods of instruction, and procedures for future vocational teachers. Three credits. Graduate credits through in-service.

Computer Technology— Applications in Industrial Education I

Uses of the microcomputer in the shop and classroom as both an instructional and management tool, application of computers in business and industry, and an introduction to computer programming in BASIC. Recertification credits available.

Computer Technology— Applications in Industrial Arts II

Advanced programming in BASIC, using subroutine and dimensioned variables. Strategies for integrating the microprocessor into present curriculum. Intended for participants of Computer Technology—Applications in Industrial Education I. Recertification credits available.

High Tech—Applications in Industrial Education

Robotics, computerized system and automotive — its use and impact in the industries of Maine. Recertification credits available.

Three foreign study programs are available this year. Contact Nye Bemis at 780-5326 for further information.

England

July 3-24

King Alfred's College in beautiful Winchester, 65 miles southwest of London. Program for teachers and administrators. Visits to schools, college-based seminars on the educational system, individualized programs, visits to castles, cathedrals, Stratford-on-Avon theatre, and free time for individual interests. All costs including plane fare and six graduate credits approximately \$1,400. Based on 15 participants.

Ireland

July 3-24

University College Galway on picturesque coast of western Ireland. Program for teachers, K through adult educators and administrators. College-based seminars on the educational system and Irish history. Guided tours and free time. All costs including plane fare and six graduate credits, approximately \$1,400. Based on 15 participants.

Ireland and England

July 3-24

International seminar on educational leadership for superintendents and principals. Visits to schools, on-campus conferences with counterparts, cultural components in both countries, and one-week free time. Cost, including three graduate credits and plane fare, approximately \$1,550. Based on 15 participants.



Accommodations

Living accommodations for the summer session are available on the Gorham campus between June 19 and August 17. Rooms may be rented on a nightly basis or for the duration of a summer course. Those who wish a room for just one or a few nights should make their reservations before 1:00 P.M. of the day they wish to stay. Students who wish a room for more than just a few nights should submit the Housing Reservation Request directly to the Residence Life Office to be certain of accommodations.

The room rate is \$5.00 for a double room and \$7.50 for a single. In order to offer these low rates, the University asks that students bring their own linen, towels, blankets (one is usually adequate), pillows, a desk lamp, and a fan. Residence hall furnishings include a bed, desk, study chair, closets, chest of drawers, and overhead lights.

Pets are not allowed in the residence halls. Health and fire safety regulations prohibit cooking or preparation of meals in residence hall rooms. Meals are available in both the Dining Center and in the Gorham Snack Bar in the Student Center.

The University offers a number of dining options on both the Gorham and Portland campuses.

1. The Portland cafeteria in the basement of Payson Smith Hall is open Monday through Friday, 7:30 A.M. to

1:30 P.M. and offers luncheon specials, grilled items, and an a la carte menu.

2. The Gorham Snack Bar in the lower level of the Student Center is open Monday through Friday and offers an a la carte menu and specials. Serving hours will be contingent on the summer session population.

3. The Gorham Dining Center offers a number of prepaid meal programs. For example, the cost of three meals a day may range from \$10.20 a day to \$44.00 for five days; lunch daily may run from \$9.60 for three days to \$14.50 for five days. Breakfast is served from 7:30 A.M. to 8:30 A.M.; lunch 11:30 A.M. to 1:00 P.M.; dinner from 5:00 P.M. to 6:30 P.M.

Individual meals may also be purchased at the rates of \$2.00 for breakfast, \$3.50 for lunch, and \$5.00 for dinner. All of these programs offer unlimited seconds and a choice of three entrees (including one vegetarian meal) at both lunch and dinner. Outdoor barbeques and special meals are offered throughout the summer for those participating in the Dining Center meal programs.

Payments for both room and meal plan will be made at the time of check-in. For additional information, contact the Residence Life Office, 100 Upton Hall, Gorham, Me. 04038. Or call 780-5240.

Summer Session Housing Reservation Request

(Please print or type all information)

Mr.
Name: Ms. _____
Last First Middle

Address: _____
No. and Street City State/Zip Code

Occupation: _____ Social Security Number: _____

Birthdate: _____

Name of Preferred Roommate: _____

List any medical considerations that might affect room assignment: _____

Rooms are available between June 19 and August 17. The daily rate is \$5.00 per night for a double and \$7.50 per night for a single. Please fill in the exact dates you would like to occupy a room. **Do not send payment for room.** You will be charged upon arrival.

Dates Requested for Housing: _____

(Students should bring their own linen, pillows, blankets, towels, and study lamps.)

Send Reservation Request Directly to: Summer Housing Reservations, Office of Residence Life, 100 Upton Hall, University of Southern Maine, Gorham, Maine 04038

Tuition Information

Undergraduate: \$47 per credit hour
Graduate: \$54 per credit hour

Payment Payment of tuition and/or fees in full is required at the time of registration. Checks should be made payable to the University of Maine (foreign students should send payment in U.S. currency). Other payment plans available include MasterCard and Visa. Contact the University of Southern Maine Business Office for details.

When paying institutional charges by check, a \$5.00 penalty is imposed if the check is returned because of an irregularity for which the person submitting the check is responsible.

All money—tuition, course fees, and housing—must be paid at the Business Office, on either campus.

Payment By Employer Or Agency A student whose employer or federal and/or state agency has agreed to pay directly to the University, part or all of the student's tuition or text cost, should furnish the USM Business Office with a purchase order or a letter in duplicate covering the costs to be underwritten by the employer or

agency. In the case of military personnel, an approved request for tuition assistance must be furnished.

Tuition Waiver for Senior Citizens The Board of Trustees of the University of Maine has authorized a waiver of tuition for people over age 65 who wish to register for undergraduate courses at any campus of the University of Maine. Permission to enroll will be granted on an individual basis if there is space available in the course.

People age 65 or over who wish permission for a waiver of tuition should contact the Registrar's Office for credit courses or the Division of Public Service for non-credit courses. Senior citizens must state their status at the time of registration. All requests for credit courses will be processed during the working days immediately preceding the start of the session in which the desired courses are offered.

Tuition Refund Policy To assure uniformity and fairness to all, the following refund policy has been established, both in regard to tuition and also in regard to room and board, in case a student withdraws from classes

and/or dormitory arrangements before or during a session.

A total refund may be granted only when the withdrawal and/or application for refund is made before the start of a given session. In cases where a partial refund is called for, the following refund rates will apply.

University fees are not refundable.

Refund Percentage

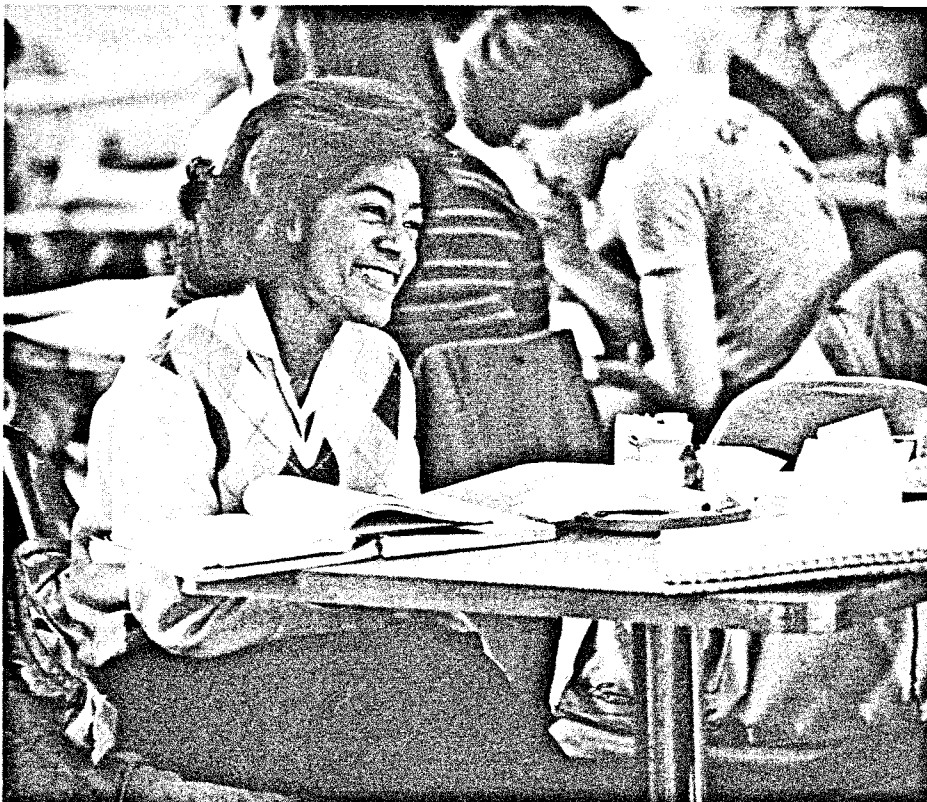
1st week 75%

2nd week 50%

3rd week 25%

No refunds granted after
third week of class

Adjustment of Tuition and Fees The financial requirements of the University, changing costs, state and legislative action, and other matters may require an adjustment of charges and expenses. The University reserves the right to make such adjustments to the estimated charges and expenses as may, from time to time, be necessary in the opinion of the Board of Trustees up to the date of final registration. The applicant acknowledges this reservation by the submission of any application for admission or by registration.



Registration Information

Anyone may take courses in the summer, even though they have not been accepted into a degree program. Before registering, students should read carefully the course prerequisites in the course description.

Degree candidates are applicants who satisfy admissions standards of the University. Undergraduate students who wish degree status must apply to the Director of Admissions, University of Southern Maine. By definition, degree candidates are those who have been accepted by the Committee on Admissions.

Advising Advising is available through the Advising and Information Department (AID). The AID staff provides academic advising and counseling services for students who are in a state of transition, students undecided as to their majors, degree candidates who are admitted on a conditional basis, and non-degree students.

The department provides academic advising to help students make decisions regarding the schools/colleges they may enter, the curriculum or major they plan to pursue, and the selection of appropriate courses for which they may register. The academic counseling staff also assists students with the development of their academic and vocational interests. Academic background, previous job training, work and leisure activities, and other experiences can be discussed and integrated for the purpose of establishing a future direction.

AID also serves as a central information bank for the University community and the general public. The department's task is to collect and disseminate academic information, as well as provide general University information. The department operates an information booth in the lobby of Payson Smith Hall on the Portland campus.

Veteran's services offices are part of the department, and advice and certification regarding V.A. benefits, information on work/study, and tutorial assistance are available. Counseling, outreach services, recruitment and special education services are also available in AID.

Late Registration Students in attendance at the first and/or second class meeting must complete registration forms not later than the second class meeting or a late fee of \$25.00 will be charged. A late fee is also assessed when a student fails to satisfy his or her financial obligation with the Business Office when due.

Course Cancellation The University reserves the right to cancel courses in the case of low enrollment.

Automobile Registration Students are required to register their vehicles with the Department of Police and Safety upon arrival on campus.

Registration Changes Students may not add a new course after the second class has met. Changes to or from pass/fail, audit, and repeat must be done at the Registrar's Office before the second class meeting. To add or drop a course or make other changes after registration is completed, the student must complete the proper forms at the Registrar's Office on the Portland campus.

Registration for pass/fail, audit, and repeat courses must be declared by the student at the time of registration.

Audit Registration Students who are not interested in securing credits to use at the University of Maine or elsewhere may register for courses on a non-credit basis. With a non-credit registration, the student may participate in classwork, but is not required to take examinations. A non-credit registrant should know, however, that state Departments of Education do not accept for certification or other purposes any courses taken on a non-credit basis. An audit registrant is required to pay the regular tuition.

Multiple Campus Registration Students who wish to register for courses at other University of Maine campuses in addition to courses at USM should contact the Registrar's Office to complete the proper forms before registering with the Advising and Information Department.

Variable Credits Students wishing to register for variable credit courses must complete a Variable Credit Approval Form in the Registrar's Office, obtain proper approval, and specify the credit hours for which they will register.



Degree Applications Students who expect to complete either associate or baccalaureate degree requirements this summer should submit an Application for Degree card. Such cards are available in the Registrar's Office.

Certificate for Teachers Certificates for teaching in Maine are issued, upon completion of the necessary requirements in elementary or secondary education and special fields, by the State Department of Education in Augusta. You must contact the department prior to registration to determine the appropriate selection of courses fulfilling such needs. It is important that each registrant know the grade and level of his or her grade certificate.

Grades and Transcripts Grade reports will be mailed to students at their home address by the Registrar approximately two weeks after the end of the session. These grade reports represent the only notification to students of their performance in given courses.

Students who desire official documentation of work completed during

a summer session must complete a Transcript Request form at the Registrar's Office. Transcripts will be updated with summer session work during the second week of September. Formal requests for transcripts needed before this date will be handled on an individual basis. The fee for a transcript to be used outside the University of Maine system is \$2.00 for a single copy, plus \$1.00 for additional copies ordered at the same time. There is no charge for transcripts sent within the University system.

Independent Study All courses entitled Independent Study require the use of a special advance approval form, available upon request from the Registrar's Office. This form must be completed in advance of registration.

Failure to Withdraw Penalty Failure to submit notice of withdrawal may result in a failing grade. Discussion with faculty members is not proper notification of change. In the case of a student withdrawal after completion of one-third of the course, the student will receive a grade designation to be determined by the instructor.

Undergraduate Registration

Undergraduate Registration (walk-in)

All students taking undergraduate courses may register in person at the Advising and Information Department in Payson Smith Hall on the Portland campus. This registration may be made through the second class meeting.

Undergraduate Registration (phone-in)

Students may register by telephone for **undergraduate courses only** by calling the Advising and Information Department at: 800 492-0748.

Payment for courses should be submitted to University of Southern Maine Business Office, Payson Smith Hall, 96 Falmouth St., Portland, Me. 04103.



Graduate Registration

Students holding a baccalaureate degree may register for graduate courses (courses with a number of 500 or higher) even though they have not been accepted into a degree program, providing there is space in the course. Matriculated graduate students are given first preference for enrollment in graduate courses.

To be admitted to a graduate program, an applicant must have received a baccalaureate degree from an accredited college or university and, as judged by previous scholastic record or otherwise, must show promise of ability to pursue advanced study and research. All applicants, except those for the M.B.A. program, are required to provide the results of their performance on either the Graduate Record Examination or Miller Analogies Test. Applicants for the M.B.A. program should present scores from the Graduate Management Admission Test in lieu of GRE scores or MAT scores.

An application is not considered complete until all the required transcripts, appropriate test scores, and letters of recommendation are on file. All material sent in support of an application for admission becomes the property of USM and will not be returned to the student.

Application for admission to a program of graduate study should be made to:

Director of Graduate Education, 408 Bailey Hall, Gorham, Me. 04038

Dean's Office, School of Business, Economics, and Management, Luther Bonney Hall, Portland, Me. 04103

Dean's Office, College of Arts and Sciences, 117 Bailey Hall, Gorham, Me. 04038

Graduate Registration (walk-in)

Walk-in registrations will be processed from April 11 through the Friday preceding the beginning of each session. The procedures are as follows:

1. Complete registration form and secure the signature of your dean, director, or advisor.
2. Submit completed form to the appropriate dean or director's office.
3. Submit payment to Business Office, Corthell Hall, Gorham.

Graduate Registration (mail-in)

Mail-in registrations will be processed April 11 through the Friday preceding the beginning of each session. The procedures are as follows:

1. Complete registration form.
2. Mail completed form along with proper payment to the appropriate dean or director's office.

An incomplete registration form or form received with partial payment will be returned to the student. Mail-in registrations must be received by the Friday preceding the beginning of each session.

Students who elect to register for a course after the Friday before the session begins must attend the first and/or second class meeting; complete registration forms no later than the second class meeting; and pay a late fee of \$25.



Graduate Registration Form (mail-in registration only)

Date _____

1983 Summer

Name _____
Last First Middle

Social Security Number

Home Address _____

Street City State ZIP Telephone

Bus. or Local Address	Organization or Street	City	State	ZIP	Telephone
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Is address listed above the same or different from the previous registration?

Home Address: ☐ Same ☐ Different Local Address: ☐ Same ☐ Different

Course			Course Title	Campus Loc.	Starting Date	Cr. Hrs.
Dept.	No.	Sec.				
				Total Cr.		

☐ Married ☐ Single ☐ Male ☐ Female Birthdate

Optional: How would you describe yourself? Check one: ☐ American Indian (I)

☐ American Oriental (O) ☐ Spanish Surnamed American (S) ☐ American Black (B)

Degrees earned: ☐ Associate ☐ Baccalaureate ☐ Master's ☐ Doctorate

Office Use Only

Newly admitted candidate? Y N MULTI Y N

School

--	--	--

Major

--	--	--

 Level

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DIRECTORY EXCLUSION

The Family Rights and Privacy Act of 1974 (The Buckley Amendment) intends to protect the privacy of students with regard to access to and release of their records and personal data maintained by the University. Full details of the Act may be obtained from the Registrar's Office on either campus. The University of Southern Maine will maintain student's name, class, major, home, and local address in a directory for release unless the student completes a Public Directory Exclusion form in the Registrar's Office. The student must be aware however, that the Registrar will suppress this information from all inquiries, including family, prospective employers, and friends of those opting for exclusion from the directory. Only those University personnel with an educational need to know and others outlined in the Family Rights and Privacy Act will be permitted access to the information. The only exception to this would be an emergency situation.

Summer Hours

All offices are open from 8:00 A.M. to 4:30 P.M., Monday through Friday. Some offices will be open extended hours at certain times during the summer. Please call the individual offices to check for particular hours.

The Summer Session Offices are located at 228 Deering Avenue on the Portland campus, 780-4076 and in Corthell Hall on the Gorham campus, 780-5264.

The Business Offices are located on the Portland campus in Payson Smith Hall, 780-4026 and in Corthell Hall on the Gorham campus, 780-5200.

The Advising and Information Department is located in Payson Smith Hall on the Portland campus, 780-4040 or 1-800-492-0748.

The Registrar's Offices are located in Payson Smith Hall on the Portland campus, 780-4056 and in Corthell Hall on the Gorham campus, 780-5230.

Library

Portland and Gorham Campuses

May 16 - August 19

Monday-Thursday:

8:00 A.M. - 8:00 P.M.

Friday: 8:00 A.M. - 4:30 P.M.

Saturday: 8:00 A.M. - 12:00 NOON

Closed: May 28 through May 30; July 2 through July 4; all Sundays.

Both the Portland and Gorham libraries contain general information on most subject areas; however, specialized materials in business and nursing are concentrated in Portland, while education and fine arts holdings are located in Gorham. Reference librarians are available on both campuses to assist users.



Bookstore

Portland and Gorham Campuses
May 16 - August 19, Monday-Friday,

8:30 A.M. - 3:00 P.M.

Extended hours, Portland and Gorham: May 16-17, 8:30 A.M. - 7:30 P.M.

Extended hours, Portland: July 5-6, 8:30 A.M. - 7:30 P.M. August 22-26,

Monday-Friday, 8:30 A.M. - 4:00 P.M.

Closed: May 30, June 29-30, July 4.

We will mail textbooks to any student who is unable to obtain textbooks within our regular business hours. There is a small handling charge for this service. Please call the Bookstore (780-4070, Portland or 780-5476, Gor-

ham) to obtain the correct price, tax, and shipping fee, so that you may mail a check before USM Bookstores will ship the textbooks.

Please note: Textbooks for a Gorham campus course are located **only** in the Gorham Bookcellar, and the Portland course books are **only** in the University Store on that campus.

Books purchased at the University Bookstores may be returned (if the course is dropped) within 10 days from the date of purchase, and must be accompanied by the register receipt. Books must not be written in.

Course Offerings

Each course description contains the following information: the section number; the session number; days of the week and times the class meets; the building and room number; the campus; and the number of credits.

The building abbreviations are: PAYS=Payson Smith Hall; BAIL=Bailey Hall; LB=Luther Bonney Hall; RA=Robie/Andrews Basement; ACAD=Academy Building; SCI=Science Building; GYMP=Portland Gymnasium; IEDC=Industrial Education Center; CORT=Corthell Hall; GYM=Hill Gymnasium; RUSS=Russell Hall; LAW=Law School Building.

The campuses are P=Portland campus; G=Gorham campus.

The course numbering of the University is as follows:

001-009	No degree credit
010-099	Associate degree program
100-199	Introductory level
200-399	Intermediate level
400-499	Senior level, others by permission
500-599	Graduate level
600-699	Professional graduate level, as in the School of Law

Seven-Week Sessions

May 16-June 30 (Session 1)
July 5-August 18 (Session 4)

Four-Week Sessions

May 16-June 8 (Session 2)
June 20-July 13 (Session 3)
July 25-August 17 (Session 6)

Five-Week Session

June 27-July 27 (Session 5)

College of Arts and Sciences

Anthropology & Geography

ANY 101 Anthropology: The Cultural View

This course is a basic introductory survey of cultural anthropology. It examines the differences between cultures as well as cultural universals, and the relationship between social organization, ideology, economics, and political structure in different types of societies. It reviews the various theoretical approaches in cultural anthropology's attempt to explain human behavior, presenting examples from "primitive," intermediate, and complex cultures through readings and films. This course is required for all majors concentrating in anthropology. *Section 01: S2; MTW 8:15-11:30; LB410; P. Cr 3.*

GYAY 200 Archaeology Field School

Section 01: S7: 7/06-8/05; MTWTHF 8:00-12:00, 1:00-5:00; G. This course meets off campus. Cr 5.

Art

ARTE 412 Visual Art and Basic Skills

This course is designed for prospec-

tive and practicing art and classroom teachers. Through the examination and discussion of art and education literature of the past two decades, students will survey correlations between the arts and learning the basic skills in school-age students, specifically how the arts can assist learning in schools. Prerequisite: Junior level or above. *Section 01: S5; MTW 8:15-10:30; BAIL319; G. Cr 3.*

ARTH 111 History of Art I

Examination and discussion of the early epochs of art from prehistoric cultures through the Renaissance. Special attention is directed to the relationships of historical and theoretical knowledge to creative expression. Divergent viewpoints of the art historian, the critic, and the artist are explored. The first half of an overview of the visual arts emphasizing the interrelationships of cultural values and the forms of art. Prerequisite: preference given candidates for matriculation in the Department of Art, or those with permission of the instructor. *Section 01: S2; MTW 8:15-11:30; LB403; P. Cr 3.*

ARTS 151 Fundamental Drawing I

The craft and concepts of making drawings, stimulated by the forms, spaces, and images of the tangible world, an introduction to marking tools and surfaces. Exposure to places, events, and objects with the purpose of stimulating the need to draw. Prerequisite: preference given candidates for matriculation in the Department of Art, or those with permission of the instructor. *Section 01: S3; MTW 8:15-11:30; 12:30-3:45; LB425; P. Cr 3.*

ARTS 231 Ceramics

An introduction to methods and processes of clay forming, including modeling, pressing, handbuilding, and the potter's wheel. Emphasis on form and texture, with aspects of glaze composition and firing procedures. Prerequisite: art core courses. *Section 01: S2; MTW 8:15-11:30, 12:30-3:45; RA20; G. Cr 3.*

ARTS 271 Photography

Photography as a creative medium. Introduction to basic skills in the use

of the camera and darkroom equipment. Investigation and practice in the fundamental techniques and processes of black and white photography as an art form. Prerequisite: art core courses. *Section 01: S3; MTW 8:15-11:30, 12:30-3:45; RA5; G. Cr 3.*

ARTS 331 Intermediate Ceramics

Application of design principles in production of ceramicware with a concentration on advanced problems in wheel-thrown forms and hand building sculptures. Prerequisite: ARTS 231. *Section 01: S2; MTW 8:15-11:30, 12:30-3:45; RA20; G. Cr 3.*

ARTS 363 Painting/Watercolor

Watercolor, wash, dry-brush, ink and wash, gouache, and other techniques in watermedia. Emphasis on individual concepts and personal expression. Prerequisite: ARTS 261. *Section 01: S7; 7/11-7/29; MTWTHF 8:15-2:15; LB424; P. Cr 3.*

ARTS 365/366 Intermediate/Advanced Watercolor

Continuation of Painting/Watercolor with emphasis on personal expression. Prerequisite: ARTS 363. *Section 01: S7; 7/11-7/29; MTWTHF 8:15-2:15; LB424; P. Cr 3.*

ARTS 371 Intermediate Photography

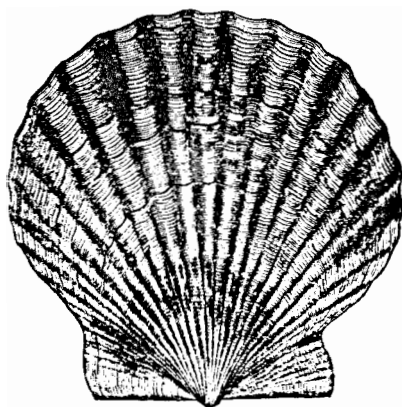
Exploration of concepts and techniques of photography with emphasis on individual forms of expression. Prerequisite: ARTS 271. *Section 01: S6; MTW 8:15-11:30, 12:30-3:45; RA 5; G. Cr 3.*

ARTS 412 Sculpture Workshop

This course will approach the figure as a source for a formal vocabulary. Studies in clay will be made during which structure, balance, shape, and space will be considered. Drawing and the construction of armature will be included. Prerequisite: Permission of the instructor; preference will be given to students with prior visual experience. *Section 01: S6; MTW 8:15-11:30, 12:30-3:45; RA3; G. Cr 3.*

ARTS 431 Advanced Ceramics

Investigation and realization of advanced ceramics projects with an emphasis on personal development and professional attitudes. Prerequisite: ARTS 331 and 332. *Section 01: S2; MTW 8:15-11:30, 12:30-3:45; RA20; G. Cr 3.*



Biology

BIO 101 Biological Principles

An introduction to the structure and function of animal and plant systems in terms of cells, molecules, energy, and heredity. *Section 01: S1; MW 7:00-9:40 pm; SCI305; P. Cr 3.*

BIO 281 Microbiology and Human Disease

Fundamentals of microbiology with emphasis on infectious diseases of people, including bacteria, rickettsia, fungi, viruses, protozoa and helminths. Prerequisites: grade of C or higher in BIO 101, and college chemistry. *Section 01: S7; 7/5-8/18; MW 8:15-10:45; SCI208; P. Cr 3.*

BIO 282 Microbiology and Human Disease Laboratory

Laboratory techniques in the cultivation, identification and control of microorganisms. Prerequisites: BIO 281 or concurrently. *Section 01: S7; 7/05-8/18; TTH 8:15-11:30; SCI405; P. Cr 2.*

Division of Basic Studies

ENG 001 Writing Lab

Students who want to register for ENG009 (Writing Lab), ENG010 (Composition), or ENG019 (Written Business Communication) should register for the appropriate section of ENG001. During the first week of class, students will be tested and/or placed in the appropriate course. ENG001 is a temporary designation for the three courses listed above. *Section 01: S4; MW 4:00-6:40; PAYS206; P. Cr 3.*

RTLS 222 Recreation for Special Populations

Adapted (indoor) physical recreation and leisure activities to meet the needs and abilities of special populations. Students will have the opportunity to present these activities to special groups during some of the class sessions. *Section 97: S7; 5/16-6/30; MW 2:00-4:40; This course is given at the Pineland Training Center. Cr 3.*

Chemistry

CHEM 100 Foundations for College Chemistry

A course designed to help students who are inadequately prepared to complete successfully the CHEM 113-116 (Chemical Principles) sequence, either on the basis of their own perceptions or of their scores on the Toledo Chemistry Placement Test. The course will review basic chemical principles commonly presented in high school chemistry and emphasize solving mathematical problems commonly done in freshman college-level chemistry. No prerequisite. *Section 01: S4; TTH 7:00-8:30; SCI362; P. Cr 2.*

CHEM 101 Chemistry I

General topics in chemistry including introductory units on matter and its properties; measurement; elements and compounds; atomic structure; solutions, dispersions, and water; osmotic pressure; chemical bonds; chemical nomenclature; stoichiometry; radiochemistry; gases; acids, bases and buffers; and energy relationships in chemical processes. Not appropriate for applied chemistry or biology majors. *Section 01: S7: 5/16-6/20; MTWTH 8:30-10:30; SCI362; P. Cr 3.*

CHEM 102 Introduction to Laboratory Measurement

Experiments will be designed to teach students how to perform accurate and reliable measurements using the major parameters of mass and volume. Topics to be covered include: physical and chemical changes; separation of a mixture; analysis of an ionic solution; properties of water; gases; acids, bases and buffers; titration. Corequisite: CHEM 101. Not appropriate for applied chemistry or biology majors. *Section L1: S7: 5/16-6/20; MTW 1:00-4:00; SCI363; P. Cr 1.*

CHEM 103 Chemistry II

An introduction to organic and biochemistry. Stress will be placed upon topics of special importance for students of the health sciences: nomenclature of organic compounds; electron distribution in organic molecules; structural features of organic molecules; substitution, elimination, and addition reactions; oxidation reduction reactions; carbohydrates; lipids; proteins and amino acids; enzymes; nucleic acids; metabolism; summary of some aspects of nutrition; pharmaceuticals; medical applications of radiochemistry. Prerequisite: CHEM 101. Not appropriate for applied chemistry or biology majors. *Section 01: S7: 7/5-8/8; MTWTH 8:30-10:30; SCI362; P. Cr 3.*

CHEM 104 Introductory Organic and Biochemistry Laboratory

Students will perform experiments to illustrate aspects of organic chemistry of importance to living systems, as well as elementary principles of biochemistry. Topics include

separation and identification of organic compounds; qualitative reactions of lipids, proteins, and nucleic acids; introduction to enzyme chemistry. Corequisite: CHEM 103. Not appropriate for applied chemistry or biology majors. *Section L1: S7: 7/5-8/8; MTW 1:00-4:00; SCI363; P. Cr 1.*

CHEM490 Independent Study

Section 01: S7: Time and place to be arranged. P. Cr 2.5.

CHEM499 Independent Study

Section 01: S7: Time and place to be arranged. G. Cr 1-15.

Communication**COM 102 Introduction to Communication**

This course is designed to provide students with a conceptual framework of the basic elements of human communication. Students will examine different levels of communication analysis, learn to chart and analyze communication behavior, and discuss the effects of communication on themselves and others. Topics discussed will include communication theory, self-concept, interpersonal communication, non-verbal behavior, small group interaction, and mass communication. Students will be encouraged to adapt communication principles to their various fields of endeavor. *Section 01: S3; MTW 8:15-11:30; LB509; P. Cr 3.*

COM 290 Small Group Communication

A discussion-participation course designed to familiarize students with the theories and techniques of small-group communication. Students will examine role behavior, group norms, conflict, group development, problem solving, communication flow, and other variables relevant to actual small-group interactions. *Section 01: S2; MTW 8:15-11:30; BAIL206; G. Cr 3.*

COM 310 Nonverbal Communication

A study of the effects of nonverbal factors on the process of human communication. Proxemics, body motion, paralanguage, metacommunication, and other specific areas of nonverbal behavior will be explored and examined. Each student will be required to conduct a research project and prepare a scholarly paper related to a particular area of non-verbal communication. Prerequisite: COM 102 or permission of the instructor. *Section 01: S4; MW 4:00-6:40; LB523; P. Cr 3.*

Core 103 Revolution in the Arts

An introductory level course and no previous knowledge of art, music, or theatre is required. The course will focus on several styles from 1850-1918. Beginning with the romantic movement and progressing through realism, impressionism and symbolism, the course will investigate the artistic, philosophical, and historical changes that culminate in the radical movements of the early 20th century. Using a multi-media approach, lectures will incorporate live musical performances and theatre scenes as well as recordings, art slides, and films. Classes will also involve small discussion groups. Assignments will include a review of aural, visual, and textural material. *Section 01: S3; MTW 8:15-11:30; BAIL405; Cr 3.*

English

ENG 100 College Writing

Classes meet regularly to analyze professional and student writing as a way of sharpening awareness of how to use language effectively. The writing assignments encourage students to apply the principles discussed in class to their own work. To complete the course successfully, the student must pass a departmental exit examination. Students may not take both ENG 100 and 101 for credit. This course cannot be used to satisfy a Humanities requirement. Prerequisite: writing proficiency. Section 01: S5; MTW 8:15-10:30; LB502; P. Section 02: S4; MW 4:00-6:40; LB502; P. Cr 3.

ENG 120 Introduction to Literature

A general introduction to the various literary genres — poetry, the short story, drama — which will include a study of critical terminology, close textual reading, and practice in writing. Prerequisite: ENG 100 or 101 or waiver. Section 01: S3; MTW 12:30-3:45; LB509; P. Section 02: S1; MW 4:00-6:40; LB502; P. Cr 3.

ENG 130 The Literature of Sport

Contemporary fiction, poetry, and drama on The Game, its players and watchers, its heroes and losers, its joy and sadness reflected in the works of such writers as Cheever, Updike, Algren, Wain, Roth, Shaw, Schulberg, Wright, Ellison, McCullers, Dickey, Williams, Moore, Ferlinghetti, Sillitoe, and many others. The social and cultural implications of sports, now and in the immediate future, will also be weighed. These include the ritualistic side of competition and spectacle; the blurring of "professional" and "amateur"; flaws in America's hero image; kid teams and adult ambitions; college conferences and academic standards; racism and nationalism in the Olympics; thrills, violence and gate receipts; winner-loser psychology; sex stereotypes; mass versus elite leisure; machismo politics and "femlib." Readings will include two anthologies, a novel, a play, and a collection of recent essays by social anthropologists. Section 01: S2; MTW 8:15-11:30; LB502; P. Cr 3.



ENG 200 Advanced Essay Writing

Study of various forms of discourse with concentration on exposition. Provides experience in logical analysis and in the uses of persona, appeals to the reader, stylistic and fictional devices, and other strategies. Prerequisite: a grade of B in ENG 100 or 101, or permission of the instructor. Section 01: S2; MTW 12:30-3:45; LB502; P. Cr 3.

ENG 209 Business and Report Writing

Primarily for juniors and seniors majoring in Business Administration. Training in clear and effective writing of formal reports, business communications, and related materials. Section 01: S1; TTH 7:00-9:40 pm; LB523; P. Cr 3.

ENG 260 Shakespeare

ENG 260 features close readings of approximately seven of Shakespeare's plays, and focuses attention both on philosophical and theatrical meanings. ENG 260 will include a section on the major history plays (*Richard II*; 1, 2 *Henry IV*). The course will include the following major plays: *As You Like It*, *Twelfth Night*, *Hamlet*, *Macbeth*. Section 01: S5; MTW 8:15-10:30; LB523; P. Cr 3.

ENG 302 Fiction Workshop

An advanced course requiring the completion of short stories or a substantial part of a novel. Prerequisites: ENG 202 and instructor's permission. May be repeated for 3 additional credits with instructor's Section 01: S7; 7/11-7/22; MTWTHF 9:30-12:00; BAIL204; G. Cr 3.

ENG 303 Poetry Workshop

A course for advanced students who, after experimenting with different approaches and styles, are developing their own themes and voices as poets. Work toward a completed chapbook-length manuscript of high-quality work will be the basis for the course grade. Prerequisites: ENG 203 and instructor's permission. May be repeated for 3 additional credits with instructor's permission. Section 01: S7; 7/11-7/22; MTWTHF 9:30-12:00; BAIL215; G. Cr 3.

ENG 381 Colonial American Literature

A study of early American writers of religious prose, fiction, and poetry. A course in early American history is recommended background. Section 01: S3; MTW 12:20-3:45; LB502; P. Cr 3.

ENG 389 Writers of Maine

Historical and literary analysis of writers in and about Maine. The emphasis will be on the literary quality of the best-known men and women writers and the place in history both past and present of the lesser-known writers. Extra credit in the course will be given for a report about any off-campus project related to an author and a particular locality in Maine. English majors should have already taken a survey of American literature; prospective teachers will prepare an annotated bibliography of one author of their choice. Section 01: S1; MW 4:00-6:40; LB523; P. Cr 3.

ENG 395 Modern Short Story: Themes and Methods

Detailed consideration of from six to ten short story collections reflecting contemporary themes and narrative methods. Although selections will vary, the recent reading list has included Jorge Luis Borges, Franz Kafka, Anton Chekhov, James Joyce, Thomas Mann, Virginia Woolf, and Isaac Babel. A necessarily wide range of themes are confronted: the corruption of reality by dream; personal inadequacy, alienation, and paranoia; self-deceit; varieties of ignorance and cowardice; the moral insight afforded the artist; violence as a mode of self-discovery. Students are responsible for a term paper, a classroom report, and weekly review of some critical article. Prerequisite: junior class standing or permission of the instructor. Section 01: S1; MW 7:00-9:40 pm; LB502; P. Cr 3.

ENG 492/592 Seminar in Modern American Literature: Faulkner and Welty

A study of selected stories and novels with special attention to shared themes: community, memory, and history; and significant differences: Faulkner's cosmic (and male) vision in Southern baroque and Welty's inner, domestic journeys in a style more influenced by Jane Austen. Readings will include *The Sound and the Fury*, *Absalom, Absalom!*, *As I Lay Dying*, and *The Hamlet*; *The Ponder Heart*, *The Golden Apples*, *Losing Battles*, and *The Optimist's Daughter*. A brief additional selection of primary or secondary readings and a critical essay will be required of graduate students. Section 01: S1; TTH 7:00-9:40 pm; LB502; P. Cr 3.

ENG 502 Fiction Workshop

An advanced course in writing fiction. Discussion of student short stories and work-in-progress with emphasis on subject development, plot, style, and publication standards. Manuscript conferences with George Garrett and staff assistants. Section 01: S7: 7/11-7/22; MTWTHF 9:30-12:00; BAIL206; G. Cr. 3.

ENG 503 Poetry Workshop

An advanced course in writing poetry. Intensive class discussion of students' poems, with follow-up conferences with Elizabeth Spires, David St. Johns, and staff assistants. Class assignments will explore contemporary poetic techniques and perspectives. Section 01: S7: 7/11-7/22; MTWTHF 9:30-12:00; BAIL215; G. Cr. 3.

ENG 504 Writing the Contemporary Novel

According to William Carlos Williams, a short story is about one thing; a novel is about many related things. This workshop is for writers whose fiction requires the space and scope of the novel form, and the course will examine ways of structuring complex material with special attention to the relations of parts to the whole. It will consider the problems—practical and creative—peculiar to sustaining a single creative effort over a long period of time, and such aids to organization as the outline, note systems, schedules. Students will present chapters and/or projected plans to the class in an atmosphere of supportive discussion and criticism. Undergraduates may enter with permission of the instructor. Section 01: S7: 7/11-7/22; MTWTHF 9:30-12:00; BAIL201; G. Cr 3.

Geology

GEOL 111 Physical Geology

A study of the ever-changing earth by wind, water, volcanism, crustal movement and glaciation. GEOL 111 may be taken without GEOL 112. Section 01: S1; TTH 7:00-9:40 p.m.; SCI103; P. Cr 3.

GEOL 350 Geological Field Methods

A course in geological field methods intended to introduce to the student the tools and practical techniques used in collecting, compiling and analyzing geological data. Students will have assignments in the igneous/metamorphic and surficial terrain of Southern Coastal Maine and sedimentary and volcanic terrain in Eastern Coastal Maine. Summer. Five weeks. Prerequisites: GEOL 111, 112 and GEOL 113, 114. GEOL 203, GEOL 301. Recommended: GEOL 302, GEOL 303, GEOL 202. Section 01: S7: 6/01-7/08; MTWTHF 8:30-5:00; BAIL312; G. Cr 6.

OCN 100 Introduction to Oceanography

Origin and extent of the oceans; nature of the sea bottom; causes and effects of currents and tides; chemical and physical properties of sea water; animal and plant life in the sea. Section 01: S2; MTW 12:30-3:45; SCI103; P. Cr 3.

Foreign Languages

FRE 101 Beginning French I

Beginner's course in French. Initiation in the four skills of language learning: listening comprehension, speaking, reading, and writing. Section 01: S7: 6/20-7/14; MTWTH 8:15-11:30; PAYS211; P. Cr 3.

FRE 102 Beginning French II Continuation of FRE 101.

Section 01: S7: 7/18-8/11; MTWTH 8:15-11:30; PAY211; P. Cr 3.

SPN 101 Beginning Spanish I

Beginner's course in Spanish. Initiation in the four skills of language learning: listening comprehension, speaking, reading, and writing. Section 01: S7: 6/20-7/14; MTWTH 8:15-11:30; LB410; P. Cr 3.



SPN 102 Beginning Spanish II

Continuation of SPN 101. *Section 01:* S7: 7/18-8/18; MTWTH 8:15-11:30; LB410; P. Cr 3.



History

HIST 131 United States History to 1877

A basic survey and introduction to the field of American history, covering the political, social, and economic development of the United States through Reconstruction. *Section 01:* S1; MW 7:00-9:40 pm; LB403; P. Cr 3.

HIST 132 United States History Since 1877

The course is a continuation of HIST 131. A survey of American political, social, and economic development since about 1877. *Section 01:* S4; MW 7:00-9:40 pm; LB403; P. Cr 3.

HIST 261 History of England

A survey of England from Anglo-Saxon times to the beginning of the 20th century, with emphasis on the nature of English monarchy, the development of political institutions, and evolving constitutionalism. Particular attention is given to broad movements such as the Reformation, the Industrial Revolution, and Imperialism. Prerequisite: HIST 101 or permission. *Section 01:* S1; TTH 7:00-9:40 pm; LB403; P. Cr. 3.

HIST 299 Topics in History Section 01:

Europe at the Turn of the Century
This course concentrates on the culture and politics of fin de siècle Europe. The pre-World War I society will be viewed from a variety of perspectives, and will also focus on various individuals who helped shape the times. Of particular interest will be the views and the impact of Marx, Darwin, Wagner, and Nietzsche within the framework of the Industrial Revolution and imperialism. *Section 01:* S4; TTH 7:00-9:40 pm; LB302; P. Cr 3. **Section 02: Leaders of the 20th Century**

This course studies in depth the lives of five major political leaders of the 20th century: Winston Churchill, Adolph Hitler, John Kennedy, Franklin Roosevelt, and Joseph Stalin. The approach is biographical, with considerable emphasis on the personality of each individual in an effort to bring that person alive for students. An effort has been made to select contemporaries whose lives interrelate, thus providing a study of an era. Documentary films and readings will accompany lectures and discussions, and a field trip to the Kennedy Presidential Library in Boston is planned for those wishing to go. (fee to be determined). *Section 02:* S3; MTW 8:15-11:30; LB403; P. Cr 3.

HIST 300 History Internship

Section 01: S7: Time and place to be arranged. P. Cr 3.

HIST 399/599 American Military History

Development of the United States military system from colonial times to present. Examination of the principles of war and how they influence military organizations and tactics are discussed. Student participation in leadership laboratory is required. *Section 01:* S6; MTW 8:15-11:30; LB302; P. Cr 3.

HIST 534 Maine History and Travel

This course provides an opportunity to pursue independent study in Maine history (especially southern Maine) since 1820. Given largely on Fridays and Saturdays in the Summer. There will be discussions, oral reports and field trips to a variety of sites located in easy range of USM. Open to under-

graduates with permission of instructor. *Section 01:* S7: lecture 6/20, 24, 7/1,8; 1:00-5:00; field trips 6/25, 7/2,9; 8:30-5:00; LB302 P. Cr 3.

Mathematics and Computer Science

CS 100 Introduction to Computer Science

A general course designed for students not majoring in mathematics or computer science. Topics will include: history of data processing technology; study of the tools and methods; the application of computers and their economic and social implications; and an introduction to a programming language. *Section 01:* S1; MW 4:00-6:40; BAIL107; G. *Section 02:* S7: 6/20-7/13; MTWTH 8:15-10:30; BAIL107; G. Cr 3.

CS 160 Introduction to Programming: FORTRAN

A study of programming techniques and applications using the FORTRAN language. Prerequisite: none. *Section 01:* S1; TTH 4:00-6:40; PAYS207; P. *Section 02:* S7: 6/27-8/05; MTTH 7:00-9:00 pm; BAIL102; G. *Section 03:* S4; TTH 7:00-9:40 pm; SCI208; P. Cr 3.

CS 230 Programming in COBOL and RPG

A study of programming languages used primarily in business. Major emphasis will be on COBOL with some emphasis on RPG. Prerequisite: CS 160. *Section 01:* S1; TTH 7:00-9:40 pm; SCI305; P. Cr 3.

CS 234 Computer Programming for Elementary Teachers

The course introduces the Elementary Education major to programming techniques and applications using the BASIC language. No programming skills will be assumed. Prerequisite: MS 131. *Section 01:* S7: 5/17-6/04; MTWTHF 8:15-10:30; BAIL105; G. Cr 3.

CS 528 Computer Programming I

Programming techniques employing BASIC and FORTRAN languages. Applications will be primarily from elementary school mathematics topics and statistics. S7: 6/27-7/27; MTWTHF 8:00-10:00; BAIL102; G. Cr. 3.

MS 010 Elementary Algebra

The first course of a two-course sequence designed for students who are deficient in high school algebra. Topics covered include number systems, functions, graphs, the solution of equations, and the solution of problems with a business orientation. No prerequisites. *Section 01: S1; MW 7:00-9:40 pm; BAIL 105; G. Section 02: S4; MW 7:00-9:40 pm; SCI208; P. Cr 3.*

MS 011 Intermediate Algebra

A continuation of MS 010. Prerequisite: MS 010 or one year of high school algebra. *Section 01: S1; MW 7:00-9:40 pm; SCI208; P. Section 02: S4; MW 7:00-9:40 pm; BAIL104; G. Cr 3.*

MS 109 Linear Systems

An introduction to vectors, matrices, and linear systems of algebraic equations; linear programming; elementary functions. Prerequisites: two years of high school algebra and one year of geometry. *Section 01: S1; TTH 7:00-9:40 pm; PAYS204; P. Cr 3.*

MS 110 Elementary Mathematical Analysis

A unified treatment of the elementary functions of analysis: their analytical properties including derivatives, integrals, and series; introduction to multivariate calculus; applications. Prerequisites: two years of high school algebra and one year of geometry. *Section 01: S1; TTH 7:00-9:40 pm; PAYS202; P. Cr 3.*

MS 120 Introduction to Statistics

An introductory course including basic probability, random variables, and their distributions; estimation and hypothesis testing; regression and correlation. Prerequisite: two years of high school algebra. *Section 01: S1; MW 7:00-9:40 pm; PAYS205; P. Section 02: S4; TTH 7:00-9:40 pm; PAYS206; P. Cr 3.*

MS 140 Pre-Calculus Mathematics

A brief review of elementary algebra followed by a study of the algebraic, exponential, logarithmic, and trigonometric functions. Prerequisites: two years of high school algebra and one year of geometry, and a passing grade on an algebra competency test which will be administered at the first class meeting.

Section 01: S7: 5/16-6/8; MTWTH 8:15-10:30; PAYS208; P. Section 02: S4; TTH 7:00-9:40 pm; PAYS211; P. Cr 3.

MS 152 Calculus A

This is the first of a sequence of three basic calculus courses covering functions of one or more variables, graphs, limits, derivatives, integrals, optimization, infinite series, vectors, and various applications. Calculus A provides an introduction to the differential and integral calculus of functions of one variable. Prerequisites: two years of high school algebra plus geometry and trigonometry, or MS 140. *Section 01: S7: 6/20-7/29; MTWTH 8:15-10:30; PAYS204; P. Cr 4.*

MS 153 Calculus B

A continuation of Calculus A. Calculus B will usually include infinite series and an introduction to vectors. Prerequisite: MS 140. *Section 01: S7: 5/16-7/8; MTTH 5:00-6:40; SCI533; P. Cr 4.*

MS 211 Probability

Discrete and continuous sample spaces; common probability laws; expected values; sampling distributions. Prerequisites: MS 110 or MS 152. *Section 01: S1; MW 7:00-9:40 pm; BAIL101; G. Section 02: TTH 7:00-9:40 pm; PAYS209; P. Cr 3.*

MS 212 Statistics

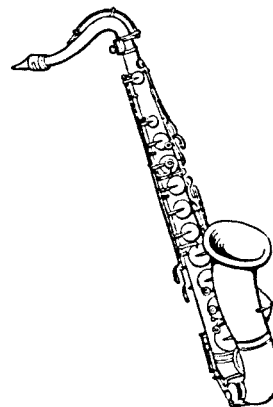
Sampling distributions; estimation; hypothesis testing; introduction to regression analysis and analysis of variance. Applications primarily in business and economics. Prerequisite: MS 211. *Section 01: S4; MW 7:00-9:40 pm; PAYS204; P. Section 02: S4; TTH 7:00-9:40 pm; PAYS205; P. Cr 3.*

MS 231 Algebra for Elementary Teachers

The second course in a three-course sequence in mathematics recommended by the Committee on the Undergraduate Mathematics Program of the Mathematical Association of America for prospective primary and elementary teachers. Emphasis is upon the properties of operations in several different algebraic systems. Equations are studied in finite systems as well as in conventional algebra. Prerequisite: MS 131. *Section 01: S7: 6/20-7/29; MTWTH 8:15-9:45; BAIL101; G. Cr 3.*

MS 252 Calculus C

Multivariate calculus and vector calculus. Prerequisite: MS 153. *Section 01: S7: 5/16-7/8; MTTH 7:00-8:40 pm; SCI533; P. Cr 4.*



Music

MUED 523 Seminar in Music Education: Conduct the Concert Band

Provides a graduate level seminar in a particular area of concern for music teachers. *Section 01: S7: 8/08-8/12; MTWTHF 9:00-4:00; CORT37; G. Cr 3.*

MUS 100 Music Appreciation and History

A survey of music from the Gregorian Chant to the modern times, covering musical practices of the Renaissance, Baroque, Classical, Romantic, and Contemporary periods. Representative works by the outstanding composers of each period. Open to all students. *Section 01: S1; MW 4:00-6:40; LB524; P. Cr 3.*

MUS 110 Fundamentals of Music

A background study of concepts and skills essential to an intelligent reading of music. The development of natural music abilities through participating in singing, rhythmic activities, and instrumental work. An appreciation of music through awareness of basic structures. Open to all students. *Section 01: S6; MTW 12:30-3:45; LB524; P. Cr 3.*

MUS 521 Workshop - Jazz and Show Choirs

Section 01: S7: 8/18-8/19 THF 9:00-4:00; CORT205; G. Cr 1.

Philosophy

PLY 101 Introduction to Philosophy: Man and His Will

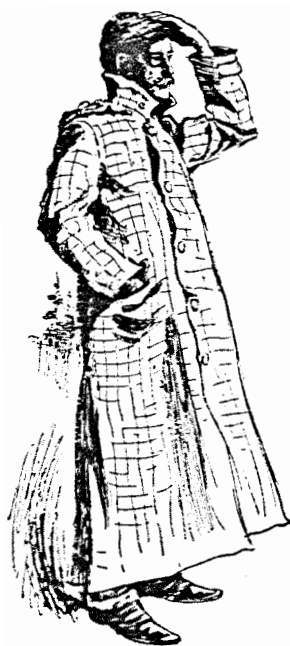
Is there a human will at all? This course will concentrate on the issue of freedom vs. determinism. The importance of the human will insofar as it influences views of experience, politics, society, etc., will also be considered. *Section 01: S6; MTW 8:15-11:30; PAYS208; P. Cr 3.*

PLY 103 Introduction to Philosophy: Human Alienation

Why does modern man picture himself as alienated from nature and his fellow man? How did the problem of alienation come about? What possibilities exist for overcoming it? This course will deal with these issues and attempt to suggest viable alternatives. *Section 01: S4; MW 7:00-9:40 pm; LB502; P. Cr 3.*

PLY 105 Introduction to Philosophy: Theories of Human Nature

A study of some influential theories of human nature in Western Culture. Among issues to be studied are: the question of method; freedom and determinism; materialism and dualism; and the nature of moral values. *Section 01: S2; MTW 8:15-11:30; LB523; P. Cr 3.*



Political Science

POL 101 Introduction to American Government

This course focuses on the political institutions, processes, behavior, and problems of government in the United States. The national government is emphasized. Key topics include: the Constitution, Supreme Court, Congress, Presidency, political parties, public opinion, and interest groups. *Section 01: S1; MW 4:00-6:40; LB503; P. Cr 3.*

POL 103 Political Science Research Methods

An introduction to the way political scientists conceive and carry out research projects. Students will learn the scientific method: how to formulate theories, gather data, and test hypotheses. They will be taught how to find political science sources in the library, how to document sources in footnotes and bibliography, and how to conduct legal research in a law library. Students will eventually complete a major research project. This course is required for all political science majors; they are strongly urged to take it during their first or second semester after entering the Department. *Section 01: S2; MTW 8:15-11:30; LB402; P. Cr 3.*

POL 352 Internship in Private and Semi-Public Organizations

Provision may be made to gain professional experience in administration and research. The course is open only to selected students; see department chairman for details. Students will meet for a series of internship seminars, for which readings and reports will be required. *Section 01: S7: Time and place to be arranged. P. Cr 6.*

POL 353 Municipal Administration Internship

Provision may be made to gain professional experience in a local government. The course is open only to selected students; see department chairman for details. Students will meet for a series of internship seminars. Readings and research reports are required, focusing on the management, financial control and administration of modern American

cities, with emphasis on administration of personnel and finance, the city plan and line functions; public safety, transportation, health, welfare and housing. *Section 01: S7: Time and place to be arranged. P. Cr 6.*

POL 354 State Internship

Provision may be made to gain professional experience in a department or agency of state government. The course is open only to selected students; see department chairman for details. Students will meet for a series of internship seminars, for which readings and research reports are required. The state government internship is available under the Maine State Government Internship Program. *Section 01: S7: Time and place to be arranged. P. Cr 6.*

POL 355 Congressional Internship

Provision may be made to gain professional experience in the local offices of Maine's U.S. Congressmen and Senators. The course is open only to selected students; see department chairman for details. Students will meet for a series of internship seminars, for which readings and research reports are required. *Section 01: S7: Time and place to be arranged. P. Cr 6.*

POL 356 Internship in Washington, D.C.

Provision may be made to gain professional experience in a congressional office, an agency of the national government, or with a private or semi-public organization in Washington, D.C. The course is open only to selected students; see department chairman for details. Readings and research reports are required. *Section 01: S7: Time and place to be arranged. P. Cr 6.*

POL 395 Independent Study I

A concentrated program of research or study on a particular subject of the student's selection. The topic will be chosen with the advice and under the direction of a faculty member. Admission by permission of the political science faculty. *Section 01: S7: Time and place to be arranged. P. Cr 3.*

Psychology

PSY 101 General Psychology I

An introduction to the study of behavior as a natural science. Among the topics covered are: method of inquiry, physiological foundations of behavior, sensation and perception, motivation and emotion, learning and thinking. This course is a prerequisite for all courses in the department. *Section 01: S2; MTW 8:15-11:30; SCI305; P. Section 02: S1; MW 7:00-9:40 pm; PAYS301A; P. Cr 3.*

PSY 102 General Psychology II

A continuation of Psychology 101. It deals with complex psychological processes such as ability testing, personality, conflict, behavior disorders and therapy, and social and industrial behavior. Prerequisite: PSY 101. *Section 01: S3; MTW 8:15-11:30; SCI533; P. Cr 3.*

PSY 223 Child Development

A systematic study of the behavior and psychological development of children during infancy, preschool and school-age periods. Analysis of the genetic, prenatal, and postnatal influences on physical, cognitive, and personality development. Prerequisites: PSY 101 and 102. *Section 01: S1; TTH 4:00-6:40; SCI305; P. Cr 3.*

PSY 224 Adolescent Development

A systematic study of the behavioral and psychological development of the adolescent. The adolescent personality and problems of adjustment in relation to the family, the school and the community. Prerequisites: PSY 101 and 102. *Section 01: S4; TTH 4:00-6:40; SCI305; P. Cr 3.*

PSY 235 Psychology of Women

Psychology of women and psychological literature relevant to men and women. Some topics include physiological and personality differences between the sexes, sex-role development, role conflict, women and traditional therapy. NOTE: This course does not count toward major credit. Prerequisites: PSY 101 and 102. *Section 01: S6; MTW 8:15-11:30; SCI103; P. Cr 3.*

PSY 333 Psychopathology

The etiology, development, and manifestation of the major forms of mental illness with particular em-

phasis upon the neuroses and psychoses. Psychological, social, and biological factors which contribute to maladjustment are examined. Prerequisite: PSY 101 and 102. *Section 01: S3; MTW 8:15-11:30; SCI305; P. Cr 3.*

PSY 361 Sensation and Perception

An examination of perceptual processes in selected sensory systems. Emphasis on experimental methodology, research findings, and theoretical interpretations. Prerequisites: PSY 201 and 205. *Section 01: S2; MTW 8:15-11:30; SCI533; P. Cr 3.*

Sociology

SOC 100 Introduction to Sociology

The fundamental concepts, principles, and methods of sociology; analyzes the influence of social and cultural factors upon human behavior; evaluates effect of group processes, social classes, stratification, and basic institutions on contemporary society. *Section 01: S3; MTW 12:20-3:45; PAYS207; P. Section 02: S4; TTH 7:00-9:40 pm; LB503; P. Cr 3.*

SOC 170 Social Issues

Introduces students to the discipline through the application of a sociological frame of reference to elected contemporary issues. Emphasis is placed on guiding the student toward a general understanding of why and how problems develop, how particular social groups are af-

ected by them, and what is involved in dealing with them. Specific problems considered vary from term to term, and from section to section. Descriptions of current topics are available in the Sociology Department office. Students should consult these descriptions before registering for the course. The course may be taken only once for credit, but may be taken in addition to SOC 100. *Section 01: S4; MW 7:00-9:40 pm; LB503; P. Cr 3.*

SOC 330 Sociology of the Family

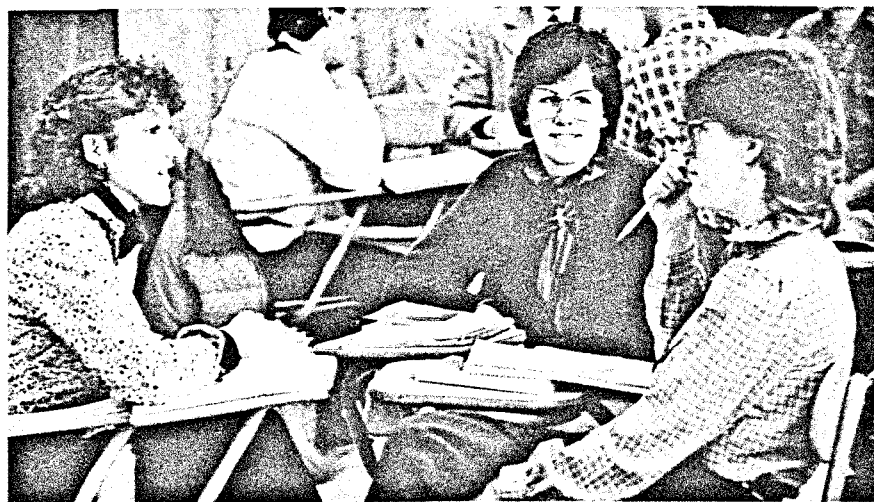
A sociological approach to the study of the family, including the structure of social relationships, the modern American family as a social institution, the cultural background of the family, and the impact of social change. Prerequisite: SOC 100 or SOC 170. *Section 01: S2; MTW 8:15-11:30; PAYS207; P. Cr 3.*

SOC 371 Sociology of Minority Groups

Considers the factors which produce and maintain structural social inequality based on minority status, and the social consequences of such inequality. Includes analysis of selected minorities both in the U.S. and cross-culturally. Prerequisite: SOC 100 or SOC 170. *Section 01: S3; MTW 8:15-11:30; PAYS207; P. Cr 3.*

SOC395 Internship

Section 01: S7: Time and place to be arranged. P. Cr 3.



Social Welfare

SWE 101 Introduction to Social Welfare

Seeks to define a perspective within which to understand the needs, problems and potential of humans as individuals and in groups. Describes and analyzes social welfare systems and social work practices as they currently respond to social needs, and as they might better facilitate the development of human potential. *Section 01: S1; TTH 4:00-6:40; LB503; P. Cr 3.*

SWE 199 Alternative Healing Systems

A survey course that explains various methods and systems of health and healing that are different from the modern western medical system. Ancient, modern, western and non-western systems will be described and compared to each other and to modern, western medicine. Students will have opportunity to focus on areas of special interest. *Section 01: S1; TTH 7:00-9:40 pm; PAYS306; P. Cr 3.*

SWE 370 Human Development and Social Welfare

A study of the implications of research and theory related to human development for social welfare policy and social work practice. Prerequisites: at least six hours of social welfare courses. *Section 01: S4; TTH 4:00-6:40; LB403; P. Cr 3.*

SWE 397 Department Projects

Individual or group projects, requiring independent study or field work in some aspect of social welfare, to be selected by students in consultation with faculty. Prerequisite: department permission. *Section 01: S7: Time and place to be arranged. P. Cr 1-15.*



Theatre

THE 170 Public Speaking

An introductory course in the fundamentals of public discourse. Primarily a lecture-performance course, students will learn the basics of informative, persuasive, and entertaining speaking, as well as the processes of problem-solving and informative discussion. Emphasis is upon conception, analysis, structure, and modes of proof. *Section 01: S4; MW 4:00-6:40; LB509; P. Section 02: S3; MTW 8:15-11:30; LB402; P. Cr 3.*

THE 199 Summer Theater Production

Section 01: S7: 6/1-8/15; Time and place to be arranged. G. Cr 3.

THE 399 Independent Study

The student will submit a written proposal defining the scope and the limitations of his study. He must submit his project for independent study to the faculty one month prior to the completion of the semester preceding his study. This deadline should be published at least one month prior to the student's deadline. The faculty must approve and determine the credits given to the independent study. If the faculty does not meet before the semester is concluded, the student will not be eligible to do the

study until the coming semester. The student will choose a supervisor. It will be the duty of this instructor to closely supervise, advise, and recommend to the student and assure all faculty that each will receive a copy of the proposal before the meeting at which the student's proposal will be presented to the entire faculty. At the completion of the independent study the student will take an oral examination conducted by the entire faculty and chaired by his advisor (Review Board). At the completion of the oral examination the faculty will advise the student's advisor as to their determination of a grade. The advisor will then determine the grade and submit the grade to the Registrar's Office. A student, generally, should not embark on a study until he has taken and completed all of the available course work that is necessary to do his study in depth. Each theatre student is entitled to take six units in either Independent Study or Theatre Projects, or a combination of both not to exceed six units unless the specific proposal is unanimously approved by the theatre faculty. *Section 01: S7: Time and place to be arranged. G. Cr 1-15.*

College of Education

EDU 200 Studies in Educational Foundations

This course provides an introduction to the study of American education. Problems and issues in contemporary education are examined from several perspectives, including the social, historical and philosophical. *Section 01: S2; MTW 8:15-11:30; BAIL403; G. Cr 3.*

EDU 303 Developmental Reading I

A basic course encompassing the developmental reading program. Content includes the major stages of reading progress, specific instructional methods and materials and informal diagnostic techniques. Students are exposed to the characteristics of reading at different levels. Case studies are used to highlight instructional practices. *Section 01: S1; TTH 4:00-6:40; BAIL322; G. Cr 3.*

EDU 305 Methods of Teaching Elementary School Mathematics

The content of this course will focus on developing techniques for teaching mathematics to elementary grade pupils. The course will be conducted mainly in the setting of a mathematics resource center, featuring manipulative devices appropriate to teaching mathematics concepts. Prerequisites: MS 131, EDPY 333, and EDU 301. *Section 01: S3; MTW 12:20-3:45; BAIL321; G. Cr 3.*

EDU 308 Science for Children

An alternative to EDU 307. This course is conducted in a University science resource center and provides opportunities for students to apply learning theory by exploring current science curricula. Emphasis is on content analysis and comparison and on implementation in public classrooms. A field experience is included whenever possible. Recommended prerequisite: EDPY 333 or 335. *Section 01: S6; MTW 8:15-11:30; BAIL110; G. Cr 3.*

EDU 322 Remedial Reading

The course presents typical reading disabilities, including methods for diagnosing and planning corrective strategies. Consideration is given to methods and techniques appropriate

for general classroom use. Prerequisite a basic course in reading. *Section 01: S5; MTW 8:15-10:30; BAIL204; G. Cr 3.*

EDU 336 Children's Literature

This course emphasizes a creative, interdisciplinary approach to children's books, an understanding of the interests and developmental tasks of the child, and, by percept and example, methods of individualizing reading. The student will be expected to read children's books widely and in depth. *Section 01: S6; MTW 12:30-3:45; BAIL201; G. Cr 3.*



Graduate Education

HRD 632 Curriculum Construction

A guided experience in the practice of determining educational needs of the individual, or the organization, or of the community and translating these into learning programs of identifying, selecting and organizing resources and activities and evaluating the results. *Section 01: S1; MTW 7:00-9:40 pm; BAIL206; G. Cr 3.*

HRD 687 Internship in Adult Education

Designed to provide professional experience in the student's selected area of concern. A plan for the internship is presented for approval to the student's adviser. On approval, the intern completes his/her planned program under the supervision and evaluation of a responsible person for the internship assignment. *Section 01: S7: Time and place to be arranged. G. Cr 1-15.*

HRD 333 Human Growth and Development

A study of significant elements in the physical, mental, emotional, and social make-up of children as they develop from infancy to adolescence. Selected case-studies and projects in the application of basic principles of growth and development to problems of adjustment to school, home, and community. Special attention is given to the developmental tasks of school-age children. *Section 01: S1; TTH 8:15-10:55; BAIL207; G. Section 02: S4; TTH 5:30- 8:10 pm; BAIL205; G. Cr 3.*

HRD 604 Life Span Development I

Review of research and theory in examining the development of humans from conception through adolescence. The interaction of biological and environmental factors will be considered in studying physical, cognitive, and psychosocial development through this age span. *Section 01: S1; TTH 8:15-10:55; BAIL207; G. Cr. 3*

HRD 605 Life Span Development II

Review of theory and research on personality and cognition in adulthood and old age. Emphasis will be on the historical transformation of adult roles, and the significance of marriage, family, childrearing, work, and social class in adulthood socialization. *Section 02: S4; TTH 5:30-8:10 p.m.; BAIL 205; G. Cr. 3.*

HRD 620 Fundamentals of Counseling Skills

This course emphasizes the development of fundamental counseling skills such as attending behavior, listening, reflection of feeling, paraphrasing and questioning. The course examines the process and content of the counseling interview as well as verbal and non-verbal factors which influence the interactions within the counseling relationship. *Section 01: S1; MW 4:00-6:40; BAIL403; G. Cr. 3.*

HRD 625 Counseling the Elderly

This course will cover such topics as: the aging network; the aging process; needs of the elderly with special emphasis on needs of elderly women; individual counseling with the elderly; group work; consulting with service providers; independent living and support systems; and advocacy, death, dying, and grieving and how those problems might be addressed through counseling. *Section 01: S5; MTW 5:30-8:10 pm; BAIL204; G. Cr. 3.*

HRD 626 Group Process and Procedures

The course focuses on the understanding of basic principles of group development and the recognition of the dynamics of group interaction. It also focuses on the improvement of personal interaction processes and their application to other group settings. *Section 01: S1; MW 7:00-9:40 pm; BAIL321; G. Cr. 3.*

HRD 628 Introduction to Marriage and Family Counseling

This course is an introduction to the structure and dynamics of the family, as well as methods of family intervention and counseling. The relevance of understanding and skill in this area for rehabilitation counselors and school counselors will be emphasized. Methods of instruction will include lecture, group discussion, role playing, and audio/video programs. Prerequisite: HRD 690 or permission of the instructor. *Section 01: S7; 7/05-7/27; MTW 5:30-8:45 pm; BAIL403; G. Cr. 3.*

HRD 665 Psychological Measurement and Evaluation

This course focuses on group tests and related measurement techniques. The course content includes a review of the history of testing, current issues, fundamental statistics for understanding and evaluating tests, selected aptitude, intelligence, achievement, interest and personality evaluation measures. *Section 01: S1; TTH 4:00-6:40; BAIL205; G. Cr. 3.*

HRD 676 Human Learning

The aim of this course is to study the basic principles of learning as they relate to human behavior. Consideration is given to learning theories, related research and their application to the field of education. Emphasis is on student development of a theoretical position which will include a range of methods and approaches for personal educational practice. *Section 01: S1; TTH 4:00-6:40; BAIL403; G. Cr. 3.*

HRD 686 Internship and Counselor Education

This course provides an opportunity for the student to integrate formal coursework with on-the-job ex-

perience in selected helping institutions. The course may be taken for 3 to 12 credit hours and is a post-practicum (HRD 698) experience. Prerequisite: Approval of the supervising professor. *Section 01: S7; 5/16-8/19; Time and place to be arranged. G. Cr 1-6.*

HRD 690 Individual Counseling Practicum

This course is an intensive supervised experience in applying professional knowledge and skills to the practice of counseling with individuals. Role playing, video tapes, audio tapes and demonstrations are used in helping each student develop an integrated counseling style. Prerequisite: Approval of the supervising professor. *Section 01: S7; 5/16-8/19; Time and place to be arranged. G. Cr. 3.*

HRD698 Directed Study

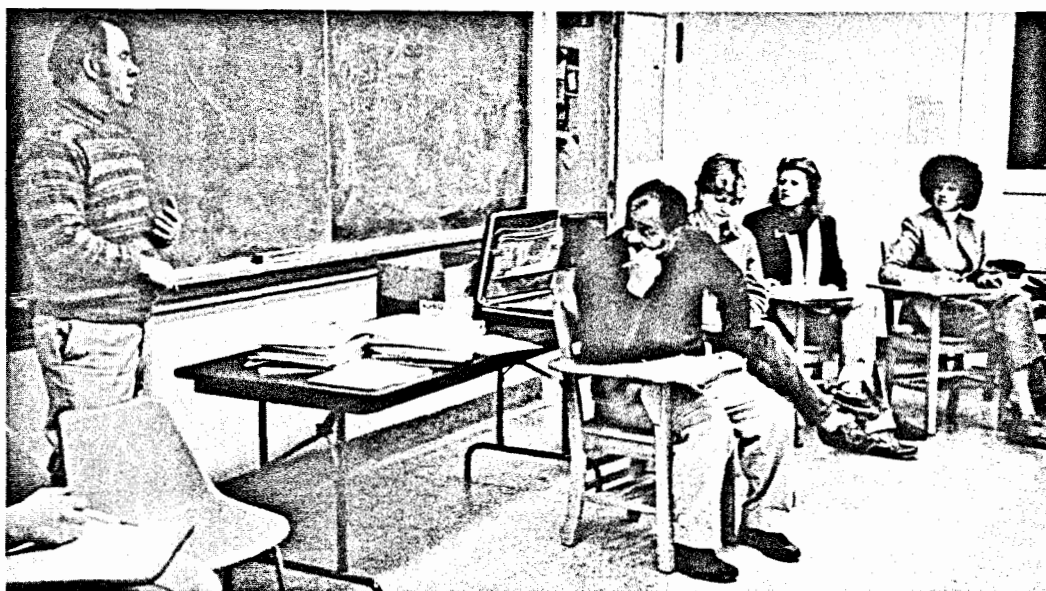
Section 01: S7: Time and place to be arranged. G. Cr 3.

HRD 699 Independent Study

Section 01: S7: Time and place to be arranged. G. Cr 1-6.

HRDS 680 Institute on Group Counseling

The course is an extension of basic knowledge and practice in the fundamentals of group dynamics and leadership. Emphasis will be on the development of concepts, attitudes, and skills necessary to understand and use counseling groups within a variety of settings. Course time will be spent as a group participant, as well as in didactic instruction. Extensive reading and a paper are required and due subsequent to the conclusion of the course. Prerequisite: HRD 626 or equivalent and permission of the instructor. *Section 01: S7; 6/20-6/24; MTWTHF 8:00-4:00; BAIL322; G. Cr. 3.*



IEP 699 Independent Study

Section 01: S7: Time and place to be arranged. G. Section 02: S7: Time and place to be arranged. G. Cr 3.

IT 300 Motion and Time Study

A study of techniques to utilize available resources (men, material, machines and facilities) in the most effective and economical manner giving full recognition to the human factors involved in engineering work methods and time measurements. *Section 01: S4; MW 7:00-9:40 pm; IDEC203; G. Cr. 3*

IT 330 Production Control

Production control as a system, types of process organization, planning and scheduling, inventory control, forecasting production control and production planning. Some of the techniques developed in Operational Research will be used to solve problems in production control. *Section 01: S4; TTH 4:15-7:00; IDEC203; G. Cr 3.*

ITI 320 Occupational Safety

Theory of industrial safety with emphasis on fundamental concepts in the industrial environment. Emphasis will be placed on the psychological, sociological, and physiological aspects of industrial safety. Consideration will be given to OSHA and its impact on the work environment. *Section 01: S1; MTW 7:00-9:40 pm; IDEC203; G. Cr 3.*

ITX 350 Principles of Industrial Management

The purpose of this course is to provide technology students in the Department of Industrial Education and Technology with the fundamental principles of management as applied to business and industrial settings. The functions of management, introduced in *Modern Industry*, will be given broader treatment by considering management of manufacturing firms. This will provide an introduction to more advanced courses in production control. *Section 01: S4; TTH 7:00-9:40 pm; IDEC203; G. Cr 3.*

IVE 300 Occupational and Trade Analysis

Identification of occupational or trade fields, units, operations, and items of related information. *Section 01: S1; TTH 7:00-9:40pm; IDEC203; G. Cr 3.*

IVE 325 Conference Leading

A course in philosophy and techniques of organizing and conducting successful conferences. Each participant will assume the responsibility of planning and leading a simulated conference. *Section 01: S1; MW 4:15-7:00; IDEC203; G. Cr 3.*

IVE 460 Independent Study in Vocational Education

An opportunity to pursue independently, a topic, project, or ex-

periment of interest. Students will prepare a contract or proposal for study to be conducted and, upon completion, submit findings in a scholarly report or other evidence of completeness. Permission of advisor. *Section 01: S7: Time and place to be arranged. G. Cr 1-15.*

EDU 604 Curriculum Development

This is a basic course in curriculum development for classroom teachers and school administrators. Course content will include analysis of curriculum development processes, educational objectives, curriculum and organizational designs, techniques of instruction, and evaluation methodology. *Section 01: S5; MTW 11:00-2:00; BAIL205; G. Cr 3.*

EDU 670 Introduction to Administration

Required first course for all master's degree candidates in educational administration. The course introduces theories of administration and provides each student with diagnostic data to conduct a needs assessment as the basis for planning a personalized program of study. Prerequisite: Admission to educational administration graduate program. *Section 01: S5; MTW 8:15-10:30; BAIL207; G. Cr 3.*

EDU 678 School Law

The purpose of this course is to acquaint students with general principles of school law as found in the interpretation of constitutional and statutory provisions by the higher courts. Laws governing pupils, teaching personnel and boards of education will be stressed with particular emphasis on Maine school law. *Section 01: S5; MTW 8:15-10:30; BAIL404; G. Cr 3.*

EDU 679 Evaluation and Supervision of School Personnel

The course considers the underlying concepts and principles of evaluating school personnel. Readings, lectures, discussions and simulated activities focus on a variety of evaluation models and strategies which facilitate the appraisal of administrators, teachers and supporting staff. Attention is directed to how personnel evaluation affects program evaluation. Prerequisite: admission to educational administration graduate program. *Section 01: S5; MTW 11:00-2:00; BAIL319; G. Cr 3.*

EDU 600 Research Methods and Techniques in Professional Education

A study of concepts, principles and techniques of educational research with emphasis on scientific inquiry and problem solving, designed for both the producer and consumer of educational research. Individual research proposals and reports are completed. *SECTION 01: S1; MW 4:00-6:40; BAIL302; G. SECTION 02: S1; MW 4:00-6:40; BAIL404; G. SECTION 03: S5; MTW 11:00-2:00; BAIL207; G. CR 3.*

EDU699 Independent Study

Section 01: S7: Time and place to be arranged. G. Cr 1-6.

EDUW 578 Robert A. Taft Institute of Government Seminars

The Taft Seminars for teachers give teachers and librarians of elementary and secondary schools the opportunity for lively participation with public officials, political activists, and university instructors in a two-week program. The Taft Institute is a resident program offering academic credit, board and room, tuition, texts, and other allowances for participants. *Section 01: S7: 7/6-7/18; MTWTHF 8:30-4:30; BAIL404; G. Cr 3.*

EDUX 501 Introduction to Computer Application in Education

An introduction to computer applications in education. Emphasis on computer literacy for educators, basic philosophies of computer-assisted instruction, and writing instructional programs. *Section 01: S6; MTW 8:15-11:30; BAIL322; G. Cr 3.*

EDUX 532 Instructional Development in Education

The student will implement a system model for identification of educational problems, development of solution alternatives, evaluation, and review cycles. This is a Utah State University course. *Section 01: S6; MTW 12:30-3:45; BAIL206; G. Cr 3.*

EDUX 560 Language Disturbance and Learning Disabilities

The course covers the relations between learning disabilities and other aspects of children's growth and development. The connection between preschool (early) or language disorders and learning disabilities is

covered. Current information in language acquisition will be highlighted with emphasis on children above five. Language assessment and intervention strategies will be provided. *Section 01: S7: 6/27-7/01; MTWTHF 8:00-4:00; BAIL322; G. Cr 3.*

SCED599 Human Genetics Section 01: Human Genetics for High School Biology Teachers

This two-week course will include a discussion of basic genetics, prenatal diagnosis of genetic disorders, cytogenetics and genetic screening, counseling and engineering. Demonstrations of genetic projects and teaching materials suitable for high school students will be included. *Section 01: S7: 7/18-7/29; MTWTH 4:00-9:00; BAIL113; S 8:00-12:00; BAIL111; G. Cr 3. Section 02: Human Genetics for Educators*

This course is designed to introduce teachers, K-8, to basic human genetics, prenatal and newborn screening, genetic counseling, genetic teaching materials suitable for K-8 instruction and includes discussions relating to children's medical problems which might be encountered in the classroom. *Section 02: S7: 7/18-7/29; MTWTH 4:00-9:00; BAIL113; S 8:00-12:00; BAIL111; G. Cr 3.*



EDU 602 Philosophy and the Teacher

During this course, several educational philosophies will be examined and the individual will analyze the function of the teacher within those frameworks. There will be an investigation of problems in education and schooling from the perspective of the philosophies studied so as to promote understanding regarding educational thought and practice. *Section 01: S5; MTW 8:15-10:30; BAIL403; G. Cr 3.*

EDU 659 Education of the Gifted and Talented

This is part of a two-course (6 credit) institute for teachers wishing to improve their effectiveness with gifted and talented students. Emphasis will be given to preparing teachers for a practicum with gifted and talented students during the Festival for Creative Youth to be held July 5 to 15. The course will include rationale for differentiated instruction, program and student objectives, identification strategies, community awareness, strategies for working with parents, in-service education, boundary breaking, and the development of creativity. Teachers should register also for the practicum, EDU 662 which immediately follows this course. *Section 01: S7: 6/27-7/1; MTWThF 8:00-4:00; BAIL 302; G. Cr 3.*

EDU 662 Practicum in Exceptionality

This course is limited to those completing EDU 659 this summer as preparation for the practicum to be conducted in conjunction with the Festival for Creative Youth. Participants will have a variety of practical experiences with gifted and talented youngsters in a program which features over 40 courses in advanced research skills, the creative-expressive modes, and academic subjects. Seminar discussions will complement the practicum experiences. *Section 01: S7: 7/5-7/15; MTWThF 9:00-4:00; BAIL 304; G. Cr 3.*

EPD 503 Arts Education Institute

The institute is designed to provide a wide variety of arts experience and arts education strategies for elementary classroom teachers who wish to

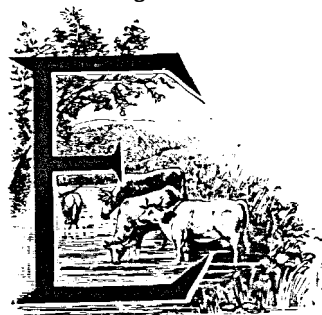
incorporate more arts in their educational programs. Graduate credit and recertification credit available. Contact: Jo-Anna Moore, 780-5460. *Section 01: S7: 8/1-8/12 MTWThF 9:00-4:00; LB; P.*

EDUX 605 Educating the Young Adolescent

The first part of the course provides a general understanding of the young adolescent's development, socialization, behavior, and search for identity. The second part focuses on the philosophic, historical, and curricular issues involved in educating the young adolescent. *Section 01: S1; MW 7:00-9:40 pm; BAIL403; G. Cr 3.*

ENG 599 Writing Institute

Section 01: S7: 6/27-7/15; Time and place to be arranged. G. Cr 6.



EDU 514 Teaching Reading in Content Areas

This course explores techniques and processes that can be applied by content teachers to improve reading ability. Emphasis is on skills that must be applied by students in the content areas and strategies for teaching them how to apply them a process of integrating the teaching of reading/study skills while teaching a subject matter. The course has practical application for all classroom teachers in grades 4 through 12. *Section 01: S5; MTW 8:15-10:30; BAIL304; G. Cr 3.*

EDU 524 Supervised Practicum in Reading Disabilities

Clinical experiences given in conjunction with the Reading Clinic or the University Reading Academy. Working under supervision, students use selected assessment instruments with adults/children who have learning and reading difficulties. Testing sessions will be unique and geared to specific diagnostic needs perceived by instructors. *Section 01: S7: Time and place to be arranged. G. Cr 1-15.*

EDU 529 Reading Clinic

Clinical experiences requiring the utilization of diagnostic and prescriptive methods for planning and implementing reading programs for students at different stages of reading progress. Tutoring experiences are augmented and related to the professional literature and research through frequent opportunities to explain and defend observations in seminars. Extensive reading from basic texts, current references, and periodicals are stressed. Emphasis is on the appropriate application of research-validated teaching and diagnostic techniques in supervised settings. Prerequisites: EDU 512 and EDU 513 or equivalents. *Section 01: S7: 6/27-8/05; MTWThF 8:00-12:00; BAIL108; G. Cr 6.*

EDU 624 Teaching Reading to Children with Special Needs

A foundation course in reading designed especially for teachers who work with students who have special needs. The course examines the five stages of reading progress with emphasis on the first three levels. Prerequisites for learning to read, initial reading and rapid development of reading progress. In addition, contemporary approaches for teaching reading, informal and standardized measures for assessing reading and methods and materials are explored. In lieu of EDUX 620 or EDUX 631 for non - reading major only. *Section 01: S6; MTW 12:30-3:45; BAIL403; G. Cr 3.*

EDU 630 Organizing for Elementary Reading Instruction

Designed for classroom teachers, a workshop/seminar course led by a successful practitioner in methods for organizing and implementing a classroom reading program. Emphasis is on the translation of professional literature and research to classroom practice. Participants are involved in the process of organizing interest centers, developing record keeping techniques and other aspects of successfully managing a reading program in a self-contained classroom. Emphasis is on the wide exposure to methods and techniques for teaching reading. Prerequisite: EDU 620. *Section 01: S5; MTW 11:00-2:00; BAIL204; G. Cr 3.*

EDU 633 Special Applications of Reading Methods

Independent study, opportunities to apply course experiences in field-based situations are encouraged. Considerable latitude is possible in pursuing options of professional interest in consultation and approval of adviser. Examples of activities include: writing projects (meeting standards of professional journals), intensive clinical experiences, educational consultation and research. Independent options must be approved in writing by the Program Coordinator. *Section 01: S7: Time and place to be arranged. G. Cr 1-15.*

EDUX 620 Foundations of Reading Instruction

The characteristics of the developmental reading program are examined. Topics are evolved from the major stages of reading progress and include: early reading correlates, reading readiness, initial reading, opportunities for independent reading, wide reading including: vocabulary development, comprehension, study skills, and reading in the content areas. Methods for diagnosing and prescribing for reading are related through case studies of students residing at different stages of reading progress. *Section 01: S5; MTW 8:15-11:30; BAIL321; G.*



School of Nursing

RTLS 095 Internship

Pre-professional assignment in three recreation settings (e.g., nursing homes for the aged, institutions, agencies, half-way houses, hospitals, parks, camps, playgrounds, schools for the handicapped, penal institutions, and rehabilitation centers). Faculty supervision and guidelines provided. The student must maintain a daily log. *Section 01: S7: Time and place to be arranged. P. Cr 9.*

RTLS 100 Lifeline

Section 01 Aerobic Dance

This is a choreographed exercise program focusing on aerobic conditioning, muscular endurance, postural flexibility, and relaxation. Simple dances ranging from slow stretching warm-ups to strenuous rhythmical routines are followed by mat work to improve muscle tone, strength, and flexibility. *S7; Time to be arranged; GYMP; P. Cr 1.*

Section 02 Walk/Jog

This is designed for the sedentary person who is not in good physical condition. Essentially a routine of walk/jogging, calisthenics, stretching, and relaxation techniques, the exercise begins slowly and progresses each week. *S7; Time to be arranged; GYM P; P. Cr 1.*

Section 03 Bodyshop/Weight Training

This is a basic weight training/cardiovascular training program. Students will be involved in supervised workout sessions in the Lifeline Bodyshop. Students should contact the Lifeline office to arrange for an initial interview. Fee course. *S7; Time to be arranged; GYM P; P. Cr 1.*

RTLS 219 Personal Fitness

This course is intended to help the student understand the basics of physical fitness and to provide sound information for developing a systematic program of exercise and physical activity that best fits the individual's needs. An understanding of how our body responds and adapts to single and repeated bouts of exercise is essential for understanding the limits of our bodies as well as for improving the functional capacity of

our heart, lungs, and muscles for the betterment of our health and well-being. In addition to the lecture material, students are provided with laboratory experiences in measuring individual aspects of fitness including body fat, flexibility, strength, respiratory function and functional work capacity. An added aspect of this course is an investigation of the interrelationships among nutrition, weight control, coronary artery disease, stress, and physical activity. There will be discussion of a wide variety of aerobic sports with emphasis on the value and feasibility of lifelong physical fitness activities. The course involves 90 minutes of lecture per week plus three exercise sessions designed to achieve an improved fitness level. Co-ed. Both semesters. 90 minutes lec., three hours lab. *Section 01: S1; MW 7:00-9:40 pm; GYMP216A; P. Section 02: S4; MW 7:00-9:40 pm; GYMP216A; P. Cr 3.*

RTLS 495 Internship

This course is to be taken in the senior year. Students are required to work a minimum of 32 to 40 hours a week at a camp, recreation department, school, agency, hospital, institution, or nursing home. Students are expected to select three different experiences, approximately five weeks at each experience, when possible, and must keep a daily log of their experiences to be passed in to the instructor at the end of the semester. A University supervisor will visit and evaluate each student at least three times during the internship. *Section 01: S7; Time and place to be arranged. P. Cr 1-9.*

NSG 199 Alternative Healing Systems

A survey course that explains various methods and systems of health and healing that are different from the modern western medical system. Ancient, modern, western and non-western systems will be described and compared to each other and to modern, western medicine. Students will have opportunity to focus on areas of special interest. *Section 01: S1; TTh 7:00-9:40 pm; PAYS306; P. Cr 3.*

NSG 300 Nursing Process I

Introduces the student to basic cognitive, affective and psychomotor skills fundamental to nursing practice. Utilization of the nursing process is emphasized to assist individuals to promote and maintain optimal health. Concepts and selected theories provide a basis for understanding the factors which facilitate and/or inhibit the growth and development of human beings. Didactic classroom and experiential learning in the Learning Resource Lab provides the opportunity to practice and develop basic skills which will be applied in selected clinical settings. Prerequisites: junior level standing in the SON. Concurrent: BIO 345. *Section 01: S1; WF 8:00-1:00, TH 8:00-4:00; PAYS301A; P. Cr 9.*

NSG 401 Health-Related Research

Various types and methods of research, concepts basic to the research process including sampling, validity, reliability and ethics will be introduced. The student evaluates and utilizes health-related research and considers implications for nursing practice and the nurse as a researcher. (Students may register for one extra credit if they plan to participate in a selected research project individually or as part of a group.) Prerequisites: statistics. Open to other than nursing students with permission of faculty. *Section 01: S2; MTW 4:00-7:45; PAYS208; P. Cr 3.*

NSG 550 Advanced Applied Pathophysiology

This course will study the mechanisms and manifestations of disease within each of the major organ systems. Primary care diseases will be stressed. Lectures will introduce theoretical concepts of pathophysiology and develop an epidemiological framework. Periodic clinical pathological conferences will enable the student to do applied pathophysiology in a seminar setting. Prerequisites: Anatomy and Physiology, Basic Pathology, or permission of the instructor. *Section 01: S1; TTh 4:00-6:40; PAYS 301A; P. Cr 3.*



School of Business, Economics and Management

Associate Business

ABUS 111 Principles of Accounting I

An introduction to the accounting cycle, working papers, and financial statements. A practical emphasis on accounting methodology with coverage of inventory control, cash control, depreciation of plant assets and payroll. *Section 01: S1; MW 7:00-9:40 pm; PAYS202; P. Cr 3.*

ABUS 112 Principles of Accounting II

A study of the procedures of accounting for owner's equity, long-term investments and the cost of manufacturing goods. the proprietorship, partnership, and corporation accounting techniques are developed in a practical approach. Prerequisite: ABUS 111. (not for SBEM baccalaureate) *Section 01: S4; MW 7:00-9:40 pm; PAYS209; P. Cr 3.*

ABUS 190 Introduction to Computers in Business

This course focuses on the role of the computer as an aid in managerial decision making. Computer operation and programming fundamentals including flowcharting and program writing in one of the common computer programming languages emphasizes business applications. Provides a basic knowledge of computer concepts; "hands on" problem solving with the computer; and the impact of computers on the business world. Required for ABA program. Transfers to baccalaureate program, but does not replace BUS 290. *Section 01: S2; MWF 12:30-3:45; PAYS207; P. Cr 3.*

ABUS 222 Real Estate Law

A study of real property law in general and Maine law in particular, land titles, acquisition and transfer, methods of ownership, rights of husband and wife, rights of landlord and tenant, easements, fixtures, land descriptions, mortgages, deeds, taxes, contracts, legal elements of brokerage relationship, selected environmental and land use regulations, coastal island registry, physical regulations of subdivisions, zoning and selected federal laws. (Completion of this course with a grade of 75, or better, provides one-third of an ap-

proved course of study for those who wish to prepare for the State of Maine real estate brokers license examination.) Offered only in the evening. *Section 01: S7: 5/16-8/15; M 7:00-9:40 pm; PAYS207; P. Cr 3.*

ABUS 240 Principles of Management

A comprehensive survey of all phases of the management of industrial and business enterprises. The influence of industrial relations is interspersed with the treatment of management's technical problems. Prerequisites: ABUS 101 and ABUS 102. *Section 01: S4; TTH 7:00-9:40 pm; PAYS208; P. Cr 3.*

ABUS 260 Marketing

A study of the marketing organization with a focus on product policies, distribution policies, promotional and pricing policies. Market research is implemented by getting students involved in casework, controversial issues, and local business community projects. Prerequisites: ABUS 102. *Section 01: S1; TTH 7:00-9:40 pm; PAYS205; P. Cr 3.*

Undergraduate Business

ACC 201 Principles of Financial Accounting

An introduction to accounting principles and concepts. Emphasis is placed on understanding financial statements and the accounting for assets, liabilities, equities, revenue and expenses. *Section 01: S1; MW 7:00-9:40 pm; LB209; P. Section 02: S4; 7:00-9:40 pm; LB410; P. Cr 3.*

ACC 202 Financial and Management Accounting

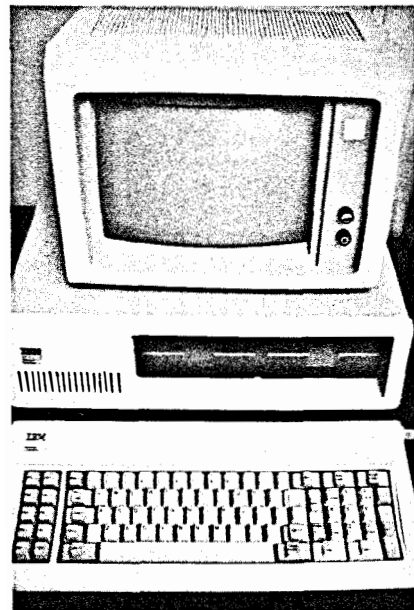
This course is designed for non-accounting majors. It deals with the selection and preparation of information which will serve to support and assist management in planning and controlling a firm's operations: the emphasis is on information needs for management decision-making. Included are analysis of financial statements, changes in financial position, cost-volume-profit analysis, budgeting, income tax considerations, and quantitative techniques integrated with more traditional approaches. Prerequisite: ACC 201. *Section 01: S4; MW 7:00-9:40 pm; LB209; P. Cr 3.*

ACC 305 Cost Accounting

Concepts and analytical procedures necessary to the generation of accounting data for management planning and control and product costing. Emphasis is on job costing, process costing, standard costs, and variance analysis and direct costing. Prerequisite: ACC 202 or ACC 301 or with permission of Instructor. *Section 01: S7: 5/09-5/27; MTWTH 8:30-12:00; LB209 P. Cr 3.*

BUS 280 Business Law

This course, an introduction to the study of business law, includes a thorough survey of the preparation for and conduct of a civil lawsuit, a brief discussion of criminal law, and a broad overview of contracts, agency, negotiable instruments, partnerships, corporations, secured transactions, labor law, and bankruptcy. This course is intended to provide a broad overview of business law and the Uniform Commercial Code. *Section 01: S6; MTW 12:30-3:45; PAYS202; P. Section 02: S1; TTH 7:00-9:40 pm; PAYS207; P. Cr 3.*



BUS 290 Introduction to Computers in Business

The role of the computer as an aid in managerial decision-making. Computer operation and programming fundamentals including flow charting and program writing in one of the common computer program languages emphasizing business applications. *Section 01: S4; TTH 7:00-9:40 pm; PAYS211; P. Cr 3.*

BUS 320 Business Finance

This course deals with the promotion, organization, and financing of the single proprietorship, partnership, and corporation. It also utilizes advanced cases and problems related to the above topics. Prerequisites: ECON 201, ECON 202, ACC 201, ACC 202 or ACC 301, MS 212. *Section 01: S2; MTW; 12:30-3:45; PAYS211; P. Cr 3.*

BUS 327 Investment Management

Provides the planning and management of investment programs for all types of investors. Evaluates the various media of investments in terms of their risks and profits. The functions of the stock market and its behavior are examined. Prerequisite: BUS 320. *Section 01: S1; MW 7:00-9:40 pm; LB326; P. Cr 3.*

BUS 340 Principles of Management

A comprehensive survey of all phases of management in public and private sectors. The influences of human, social and political factors are interspersed with the treatment of management's structural and technical processes. Analyses focus on such themes as planning, decision-making, organizational design, supervisory skills, communications, and information systems. Prerequisites: ECON 201 and ECON 202. *Section 01: S3; MTW 8:15-11:30; PAYS202; P. Cr 3.*

BUS 360 Marketing

Explores the "marketing concept" and considers the effect of product place, promotion and price on strategic planning. Investigates the components of market research, target marketing, positioning and other related issues. Prerequisites: ACC 201, ECON 201, ECON 202. *Section 01: S2; MTW 8:15-11:30; PAYS211; P. Cr 3.*

BUS 395 Cooperative Education - Business Administration I

The student has the opportunity to relate academic knowledge to practical experience in the business world. The University makes arrangements with certain institutions and/or industries to employ students to fill specific jobs on a semester basis. The student's work is in a related field, and the work experience increases in difficulty and responsibility as the student progresses through the academic curriculum. The work experiences are approved in advance by the faculty. Open to sophmores, juniors, and seniors in the School of Business, Economics and Management with permission. *Section 01: S7: Time and place to be arranged. P. Cr 1-5.*

BUS 396 Cooperative Education - Business Administration II

Open to sophmores, juniors, and seniors in the School of Business, Economics and Management with permission. Prerequisite: BUS 395. *Section 01: S7: Time and place to be arranged. P. Cr 1-5.*

BUS 397 Cooperative Education - Business Administration III

Open to juniors and seniors in the School of Business, Economics and Management with permission. Prerequisite: BUS 396. *Section 01: S7: Time and place to be arranged. P. Cr 5.*

BUS 490 Independent Study

Selected topics in the various areas of accounting, finance, management, and marketing may be studied and researched on an independent basis. Prerequisites: senior standing and permission of the instructor and chairman of the department. *Section 01: S7: Time and place to be arranged. P. Cr 1-15.*



Graduate Business

MBA 505 Introduction to Computers in Management

Utilization of computers, microprocessors, data processing, and information systems in organizations. *Section 01: S4; TTH 7:00-9:45; Augusta. Cr 3.*

MBA 506 Intensive Survey of Business Functions Section 01: Management Module Section 02: Marketing Module.

Two independent modules presenting basic concepts involved in management and marketing of goods and services. Prerequisites: MBA 501, MBA 502. *Section 01: S4: 7/06-7/27; MW 7:00-9:40 pm; LB402; P. Section 02: S4: 8/01-8/17; MW 7:00-9:40 pm; LB402; P. Cr 1.5.*

MBA 610 Managerial Economics

The application of economic analysis to the management of business enterprises. Designed to develop the student's ability to understand some of the important economic concepts and tools relevant to making decisions within a business firm. Particular attention is given to the use of interest and cost gradient tables, annual cost and present worth analysis, rate of return analysis, economic life, replacement economy cost minimization, and the impact of taxes upon a decision. Prerequisites: MBA 501, MBA 502, MBA 503, MBA 504, MBA 505. *Section 01: S4; TTH 7:00-9:40 pm; PAYS202; P. Cr 3.*

MBA 613 Macroeconomic Analysis and Forecasting

The first part of the course examines forecasting techniques that are important to managers. The second part of the course develops the analytic framework of macroeconomic analysis. This framework is applied in examining the major economic problems of inflation, unemployment, cyclical fluctuations, and economic growth. Alternative stabilization policies and instruments will be explored. In addition, there will be an examination of the recent performance of the U.S. economy. Prerequisites: MBA 501, MBA 504. Section 01: S1; MW 7:00-9:40 pm; Augusta. Cr 3.

MBA 651 Industrial Relations and Personnel Management

A comprehensive investigation of the changing pattern of industrial relations in the United States. Major emphasis is on the human, social, and economic aspects of employer-employee relationships in both union and non-union settings. Provides an understanding of and appreciation for the crucial importance of the development of sound and flexible personnel policies by top management. Among the areas considered are: the changing nature of the labor force; wages, salaries, and fringe benefits; hours of work; and the impact of technological change on the work force. Prerequisite: MBA 506 Management Module. Section 01: S1; TTH 7:00-9:40 pm; LB209; P. Cr 3.

Economics

ECON 201 Principles of Economics I

A theoretical analysis of the basic characteristics, institutions, and operational activities of a modern capitalistic economy which is involved in the transformation of scarce economic resources into the goods and services demanded by consumers. Topics discussed include inflation, unemployment, government monetary and fiscal policy to achieve full employment and economic growth. Section 01: S1; TTH 7:00-9:40 pm; LB510; P. Section 02: S3; MTW 8:15-11:30; LB503; P. Cr 3.

ECON 202 Principles of Economics II

A theoretical analysis of the firm and its role in the transformation of scarce economic resources into the goods and services demanded by consumers. Special attention is focused on the development of a market mechanism for the exchange of goods, services, and resources within a capitalistic economy. Topics discussed include consumer preferences and consumer behavior, production theory and production costs, the monopoly firm, and resource pricing. Section 01: S4; TTH 7:00-9:40 pm; PAYS209; P. Section 02: S6; MTW 12:30-3:45; LB503; P. Cr 3.

ECON 351 Economic Systems of the Soviet Union

A study of the development, institution, and structure of the Soviet economy. Emphasis on current theories and problems of central planning. Prerequisites: ECON 201 and ECON 202. Section 01: S1; TTH 7:00-9:40 pm; PAYS304; P. Cr 3.

ECON 370 International Trade

The principles and practices of international trade and finance are thoroughly treated. Special emphasis is given to current trends in the international economy and to United States commercial policy. Prerequisites: ECON 201 and ECON 202. Section 01: S4; TTH 7:00-9:40 pm; PAYS207; P. Cr 3.



Courses by Session

Session 1: May 16-June 30

P	ABUS 111	Principles of Accounting I
P	ABUS 260	Marketing
P	ACC 201	Principles of Financial Accounting
P	BIO 101	Biological Principles
P	BUS 280	Business Law
P	BUS 327	Investment Management
G	CS 100	Introduction to Computer Science
P	CS 160	Introduction to Programming — FORTRAN
P	CS 230	Programming in COBOL & RPG
P	ECON 201	Principles of Economics I
P	ECON 351	Economic Systems of the Soviet Union
G	EDU 303	Elementary Reading
G	EDU 600	Research Methods and Techniques
G	EDUX 605	Education of Young Adolescents
P	ENG 120	Introduction to Literature
P	ENG 209	Business and Report Writing
P	ENG 389	Writers of Maine
P	ENG 395	Modern Short Story: Themes and Methods
P	ENG 492	Seminar: Modern American Literature
P	ENG 592	Seminar: Modern American Literature
P	GEOL 111	Physical Geology
P	HIST 131	U.S. History to 1877
P	HIST 261	History of England
G	HRD 333	Human Growth and Development
G	HRD 604	Life Span Development I
G	HRD 620	Fundamentals of Counseling Skills
G	HRD 626	Group Process and Procedure
G	HRD 632	Curriculum Construction for Adult Learning
G	HRD 665	Psychological Measurement and Evaluation
G	HRD 676	Human Learning
G	ITI 320	Occupational Safety
G	IVE 300	Occupational Trade Analysis
G	IVE 325	Conference Leading
P	MBA 613	Macroeconomic Analysis
P	MBA 651	Industrial Relations and Personnel Management
G	MS 010	Elementary Algebra
P	MS 011	Intermediate Algebra
P	MS 109	Linear Systems
P	MS 110	Elementary Mathematical Analysis
P	MS 120	Introduction to Statistics
G	MS 211	Probability
P	MS 211	Probability
P	MUS 100	Music Appreciation and History
P	NSG 199	Alternative Healing Systems
P	NSG 300	Nursing Process I
P	NSG 550	Applied Pathophysiology
P	POL 101	Introduction to American Government
P	PSY 101	General Psychology I
P	PSY 223	Child Development
P	RTLS 219	Personal Fitness

P	SWE 101	Introduction to Social Welfare
P	SWE 199	Alternative Healing Systems

Session 2: May 16-June 8

P	ABUS 190	Introduction to Computers in Business
P	ANY 101	Anthropology: The Cultural View
P	ARTH 111	History of Art I
G	ARTS 231	Ceramics
G	ARTS 331	Intermediate Ceramics
G	ARTS 431	Advanced Ceramics
P	BUS 320	Business Finance
P	BUS 360	Marketing
G	COM 290	Small Group Communication
G	EDU 200	Studies in Educational Foundations
P	ENG 130	Literature of Sports
P	ENG 200	Advanced Essay Writing
P	NSG 401	Health Related Research
P	OCN 100	Introduction to Oceanography
P	PLY 105	Introduction to Philosophy: Theories of Human Nature
P	POL 120	Government and Politics of Maine
P	PSY 101	General Psychology I
P	PSY 361	Sensation and Perception
P	SOC 330	Sociology of the Family

Session 3: June 20-July 13

P	ARTS 151	Fundamental Drawing I
G	ARTS 271	Photography
P	BUS 340	Principles of Management
P	COM 102	Introduction to Communication
G	CORE 103	Revolution in the Arts
P	ECON 201	Principles of Economics I
G	EDU 305	Methods of Teaching Elementary School Mathematics
P	ENG 120	Introduction to Literature
P	ENG 381	Colonial American Literature
P	HIST 299	Leaders of the 20th Century
P	PSY 102	General Psychology II
P	PSY 333	Psychopathology
P	SOC 100	Introduction to Sociology
P	SOC 371	Sociology of Minority Groups
P	THE 170	Public Speaking

Session 4: July 5-August 18

P	ABUS 112	Principles of Accounting II
P	ABUS 240	Principles of Management
P	ACC 201	Principles of Financial Accounting
P	ACC 202	Financial and Management Accounting
P	BUS 290	Introduction to Computers in Business
P	CHEM 100	Foundations for College Chemistry
P	COM 310	Nonverbal Communication
P	CS 160	Introduction to Programming — FORTRAN
P	ECON 202	Principles of Economics II

P	ECON 370	International Trade
P	ENG 001	Writing Lab
P	ENG 100	College Writing
P	HIST 132	U.S. History Since 1877
P	HIST 299	Europe — Turn of Century
G	HRD 333	Human Growth and Development
G	HRD 605	Life Span Development II
G	IT 300	Motion and Time Study
G	IT 330	Production Control
G	ITX 350	Principles of Industrial Management
P	MBA 505	Introduction to Computers in Management
P	MBA 506	Intensive Survey of Business Functions: Management
P	MBA 506	Intensive Survey of Business Functions: Marketing
P	MBA 610	Managerial Economics
P	MS 010	Elementary Algebra
G	MS 011	Intermediate Algebra
P	MS 120	Introduction to Statistics
P	MS 140	Pre-Calculus Mathematics
P	MS 212	Statistics
P	PLY 103	Introduction to Human Alienation
P	PSY 224	Adolescent Development
P	RTLS 219	Personal Fitness
P	SOC 100	Introduction to Sociology
P	SOC 170	Social Issues: Inequality and Alienation
P	SWE 370	Human Development and Social Welfare
P	THE 170	Public Speaking

Session 5: June 27-July 27

G	ARTE 412	Visual Art and Skills
G	EDU 322	Remedial Reading
G	EDU 514	Teaching Reading in Content Areas
G	EDU 600	Research Methods and Techniques
G	EDU 602	Philosophy and the Teacher
G	EDU 604	Curriculum Development
G	EDU 630	Organizing for Elementary Reading Instruction
G	EDU 670	Introduction to Administration
G	EDU 678	School Law
G	EDU 679	Evaluation and Supervision of School Personnel
G	EDUX 620	Foundations of Reading Instruction
P	ENG 100	College Writing
P	ENG 260	Shakespeare
G	HRD 625	Counseling the Elderly

Session 6: July 25-August 17

G	ARTS 371	Intermediate Photography
G	ARTS 412	Sculpture Workshop
P	BUS 280	Business Law
P	ECON 202	Principles of Economics II
G	EDU 308	Teaching Elementary School Science
G	EDU 336	Children's Literature
G	EDU 624	Teaching Reading to Children with Special Needs



G EDUX 501 Introduction to Computers in Applied Education
 G EDUX 532 Instructional Developmental Education
 P HIST 399 American Military History
 P HIST 599 American Military History
 P MUS 110 Fundamentals of Music
 P PLY 101 Introduction: Man and His Will
 P PSY 235 Psychology of Women

Session 7: Variable

P ABUS 222 Real Estate Law
 P ACC 305 Cost Accounting
 P ARTS 363 Painting/Watercolor
 P ARTS 365 Intermediate Watercolor
 P ARTS 366 Advanced Watercolor
 P BIO 281 Microbiology and Disease
 P BIO 282 Microbiology and Disease Laboratory
 P BUS 395 Cooperative Education — Business Administration I
 P BUS 396 Cooperative Education — Business Administration II
 P BUS 397 Cooperative Education — Business Administration III
 P CHEM 101 Introduction to Chemistry
 P CHEM 102 Introduction to Laboratory Measurement
 P CHEM 103 Introduction to Organic Biochemistry
 P CHEM 104 Introduction to Organic Biochemistry Laboratory
 G CS 100 Introduction to Computer Science
 G CS 160 Introduction to Programming — FORTRAN
 G CS 234 Computer Programming for Elementary Teachers
 G CS 528 Computer Programming I
 G EDU 524 Supervisory Practicum in Reading Disabilities
 G EDU 529 Reading Clinic
 G EDU 633 Special Applications of Reading Methods
 G EDU 659 Education of the Gifted and Talented
 G EDU 662 Practicum in Exceptionality
 G EDUI 537 Haystack Teach/Craft Institute
 G EDUI 594 1983 Principals Academy
 P EPD 503 Arts Education Institute 83
 G EDUW 578 Robert A. Taft Institute of Government Studies
 G EDUX 560 Language Disabilities and Learning Disabilities
 G ENG 302 Fiction Workshop
 G ENG 303 Poetry Workshop
 G ENG 502 Fiction Workshop
 G ENG 503 Poetry Workshop
 G ENG 504 Writing the Contemporary Novel
 G ENG 599 Writing Institute
 P FRE 101 Beginning French I

P FRE 102 Beginning French II
 G GEOL 350 Geological Field Methods
 G GYAY 200 Archaeology Field School
 P HIST 300 History Internship
 P HIST 534 Maine History and Travel
 G HRD 628 Introduction to Family and Marriage Counseling
 G HRD 686 Internship in Counselor Education
 G HRD 687 Internship in Adult Education
 G HRD 690 Individual Counseling Practicum
 G HRDS 680 Institute in Group Counseling
 G IEPW 685 Curriculum Development Workshop
 P MS 140 Pre-Calculus Mathematics
 P MS 152 Calculus A
 P MS 153 Calculus B
 G MS 231 Algebra for Elementary Teachers
 P MS 252 Calculus C
 G MUED 523 Conducting the Concert Band
 G MUS 521 Workshop Jazz & Show Choirs
 P POL 352 Private Sector Internship
 P POL 353 Municipal Administration Internship
 P POL 354 State Internship
 P POL 355 Congressional Internship
 P POL 356 Washington Internship
 P RTLS 095 Internship
 P RTLS 100 Lifeline Aerobic Dance
 P RTLS 100 Lifeline Walk/Jog
 P RTLS 100 Bodyshop/Weight Training
 P RTLS 222 Recreation for Special Populations
 P RTLS 495 Internship
 G SCED 599 Human Genetics
 P SOC 395 Internship
 P SPN 101 Beginning Spanish I
 P SPN 102 Beginning Spanish II
 G THE 199 Summer Theater Production

Division of Public Service

The Division of Public Service is responsible for the development, coordination, and support of all non-credit programming at USM. Among the units within the division offering courses during the 1983 Summer Session are the Department of Conferences, the Department of Continuing Education for Nursing and Health Professions, and Greater Portland Lifeline.

The division offers Continuing Education Units (CEUs) for many courses offered in the various departments. CEUs are a nationally accepted measurement applicable to non-credit courses. Participants may attend many different programs while accumulating a nationally uniform permanent record.

The Division of Public Service is pleased to announce that effective February 2, 1983, a new Department of Continuing Education for Business and Industry has been created and that specific non-credit business programming will commence in the fall of 1983. Inquiries at this time should be directed to Bill Mortensen, director, at 780-4092.

For more information on any of the programs, please contact the appropriate department:

Public Service 780-4092

Conferences 780-4074

Community Programs 780-4045

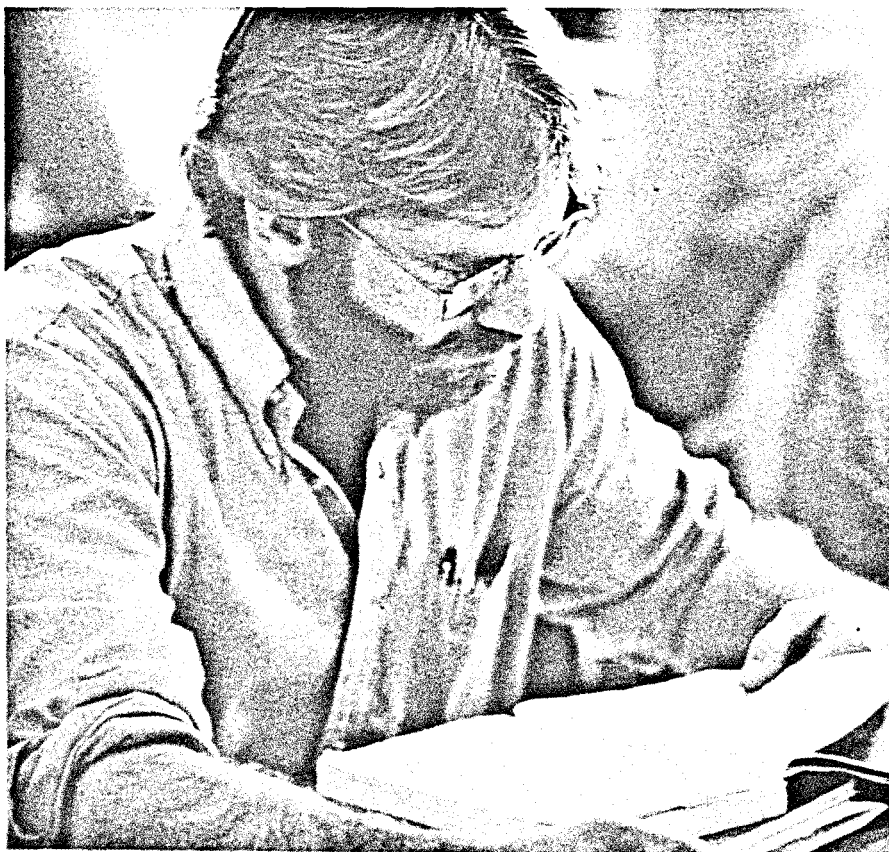
Nursing and Health Professions 780-4150

Center for Real Estate Education

The Center for Real Estate Education offers continuing education courses and seminars (including television courses) for licensed salespeople and brokers statewide. These courses and seminars are also available to anyone who has an interest in real estate related subjects. The Center publishes a real estate journal, *Real Estate Update*, which is mailed six times a year to brokers, bankers, lawyers, home builders, oil dealers, landlords, colleges, and universities offering real estate courses.

If you are interested in receiving *Update*, which includes a schedule of real estate courses, please contact: The Center for Real Estate Education, USM, 96 Falmouth St., Portland, Me. 04103.

The Center will be offering two non-credit courses during the summer session and one credit course. For more information on these courses, please contact the Center at the address above.



Community Programs

The Department of Community Programs serves all segments of the community with a wide variety of fall, winter, and spring non-credit programs designed for adults who require courses with convenient times, lengths, and locations. Programs are taught by professionals who share their knowledge and skills while providing a practical approach to relevant subjects. The Department offers many certificate programs designed to expand and upgrade professional skills.

The Department of Community Programs is located in Room 103, Payson Smith Hall on the Portland campus (96 Falmouth Street). Drop by and we'll be happy to answer your questions about upcoming fall courses. Or call 780-4045. VISA and MasterCard registrations are welcome. Office hours: 8:00 A.M. to 5:00 P.M.

Theatre Arts: A Tool For Helping

April 4

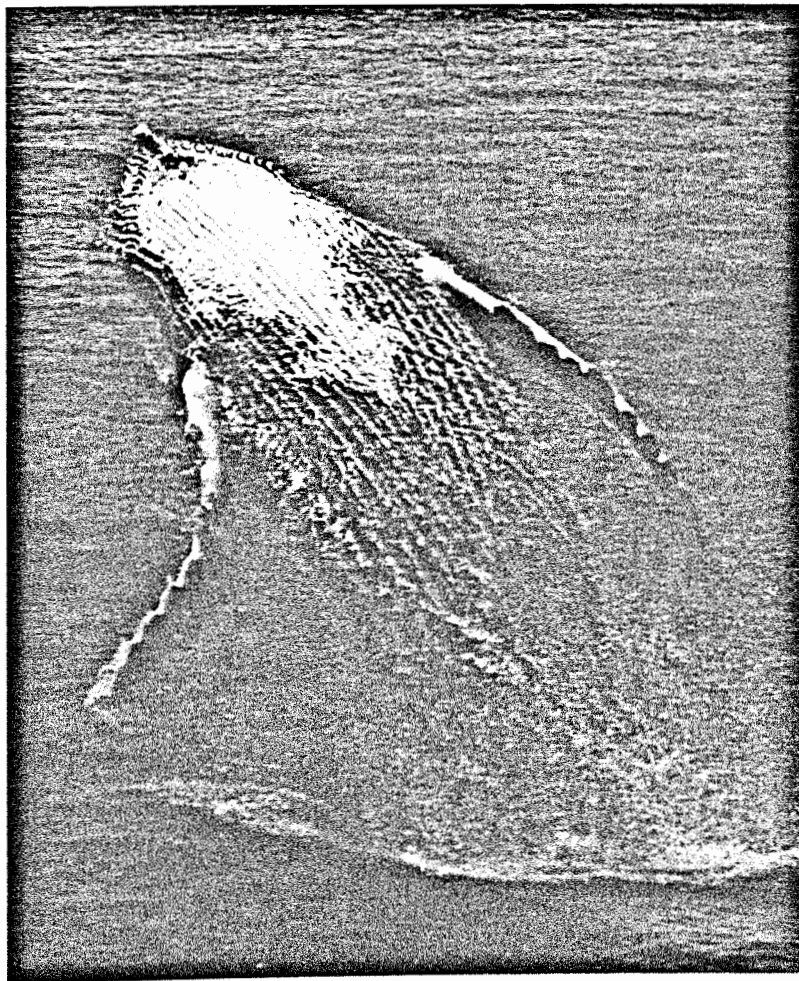
Learn the creative use of role playing, theatre games, and improvisation as techniques in the helping professions. This workshop is designed to teach a new tool which will be beneficial to counselors, teachers, and recreation and human service professionals. It will be a good basic introduction to creative arts therapies. Workshop activities will include: discussing the psychological roots of theatre and play as a therapeutic tool; creating and participating in expressive exercises, new games, and improvisational theatre; and learning the beginnings of creating and evaluating a program for the specific needs of the people with whom you work. 9:00 A.M. to 3:00 P.M.; The Portland Club, 157 State Street, Portland, 0.5 CEUs. Fee \$45.00 (includes lunch).

Issues of the Workplace

May 5

The changing nature and values of today's work force may mean that your traditional personnel policies are no longer effective. This workshop is designed to provide an opportunity for chief executive officers, personnel managers, and organizational policy-makers to explore current issues of the workplace including: flexible work scheduling; innovative benefits package; wellness in the workplace; and organizational support for day care. Experienced leaders for each of these topic areas will serve as morning panelists and resource facilitators for afternoon work sessions. 9:00 A.M. to 4:00 P.M.; The Shawmut Inn, Kennebunkport. Fee: \$125.00 (includes lunch and wine and cheese reception).

Interested in a whale watch and/or a short course on whales and other marine mammals late this spring? Call Community Programs at 780-4045.



Celia Young

Continuing Education for Nursing and Health Professions

The Department of Continuing Education for Nursing and Health Professions provides continuing education offerings for health professionals such as nurses, pharmacists, physical therapists, occupational therapists, dietitians, respiratory therapists, and others at locations throughout the state of Maine. Programs are offered using a variety of formats, including workshops, seminars, and evening courses.

Medications in the Elderly May 3, Ellsworth; May 4, Portland

This workshop is designed to expand the nurses' knowledge of clinical pharmacology in the older adult. Monitoring for adverse effects and patient teaching in the elderly will be emphasized. Designed for RNs and LPNs practicing in a variety of settings. Instructor: Betsy Todd, R.N., M.S. 0.6 CEUs.

Camp Nursing June 11, Portland

Examination of new trends and theories involved in nursing at an organized campsite. Prevention activities, management of common health problems, and crisis intervention are explored. Designed for RNs, LPNs, EMTs. Instructor: Louise Czuryna, R.N., M.S. 0.6 CEUs.

Women's Health Care Issues Date to be announced, Waterville May 19, Portland

An exploration of the historical development of the more active role of women in providing and receiving health care. While important gains have occurred, many issues remain unsolved. Designed for RNs, LPNs, and other health care professionals. Instructor: Joellen Hawkins, R.N., Ph.D., F.A.A.N. 0.6 CEUs.

Pharmacology in the 80s May 2, Presque Isle

This program is designed to expand the nurse's knowledge of clinical pharmacology, thereby increasing effectiveness in administering drugs safely, and teaching patients about their prescribed drugs. Betsy Todd, R.N., B.S. 0.6 CEUs.

Infant Stimulation June 14-15, Portland

Learn stimulation techniques for the premature infant and normal newborn as they respond to the environment. Designed for RNs working with newborns, infants. Instructor: Susan Ludington, R.N., C.N.M., Ph.D. 0.6 CEUs/day. Co-sponsored with Maine Medical Center.

Cardiac Rehabilitation May 24, Bangor; May 25, Portland

An examination of the needs of the chronically ill cardiovascular patient and family and the organization and ongoing implementation of a rehabilitation program to meet their needs. Designed for RNs and other health professionals. Instructor: Ursula Anderson, R.N., M.S. 0.6 CEUs.

Competency-Based Education/ Staff Development May 27, Portland

Making a CBE program work within a health care institution. Designed for health professionals in staff development positions. Instructor: Cathy Boyer, R.N., M.S. 0.6 CEUs.



Conferences

The primary goal of the Department of Conferences is to provide a forum for qualified resource people to share with others information, develop ideas, upgrade professional skills, and develop a greater understanding of current problems. The Department will provide specialized services to governmental agencies, professional organizations, private business, and community groups in the areas of program design, planning, and development.

The department offers a total conference planning service. The staff will help in planning a program and its content. They can assist in selection of the following facilities and services: University residence/dining halls; University recreation facilities; cultural resources such as art galleries, summer theater, and concerts in the Greater Portland area; classroom, auditorium facilities; referral to local motels for housing during the academic year; and area tourist facilities.

The department will also assist in promotion and publicity; meeting facilities; registration services; special arrangements, including the selection of resource people; and post-conference evaluations, reports, and financial statements.

Program costs will vary with the number of participants, length of program, and special requirements. The staff will prepare a budget to include cost of service desired and will be responsible for collection of fees, payment of expenses, and preparation of a financial statement at the completion of the conference.

Soccer Camp

Girls' Week (ages 12-17): June 26-July 1

**Boys' Junior Week (ages 11-14):
July 24-29**

**Boys' Senior Week (ages 15-17):
July 31-August 5**

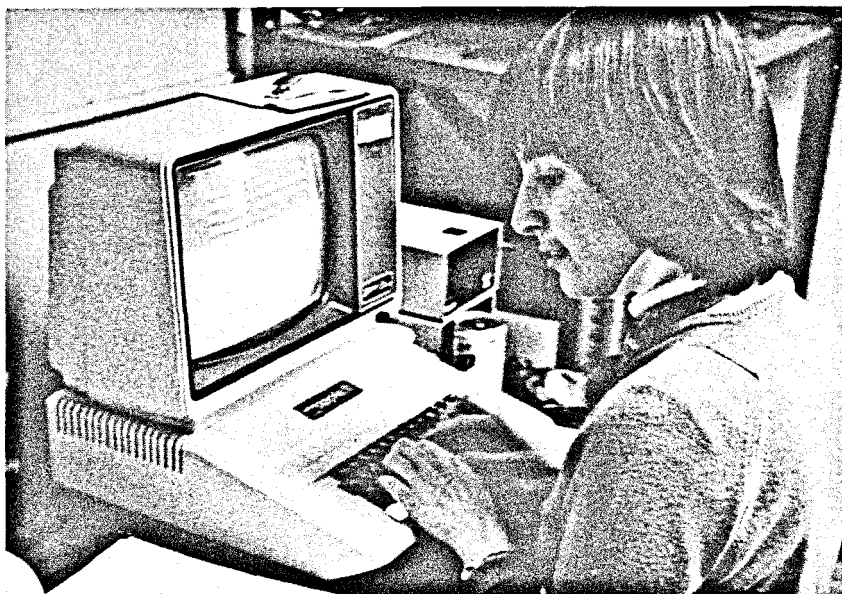
The purpose of the Soccer School is to provide progressive instruction in the basic soccer skills for young players. It is a technique and tactics program, not a recreational program. All sessions will be organized and demonstrated by licensed United States Soccer Federation teachers, under the direction of Chris Baumann, USM head soccer coach.

Each year the demand for this camp grows, but we will continue to limit enrollment to 100 campers per session.

This limit enables us to provide the high quality, individualized instruction for which the Soccer Camp is well known. The fee includes registration, tuition, accident insurance, facilities, a copy of the USSF Soccer Rules Guide, and a Soccer School jersey. The boarder fee of \$180.00 includes room and board at the USM Gorham campus. The commuter fee is \$155.00.

Each person must have a soccer ball. You may bring your own or purchase one at Camp for \$15.00.

To register, please send name, address, age, sex, and session desired to: USM Soccer School, Department of Conferences, University of Southern Maine, 96 Falmouth Street, Portland, Maine 04103. Registrations are accepted on a first-come, first-served basis.



Summer Computer Camp

July 11-22 (Tentative)

For the first time, the University of Southern Maine will offer a two-week summer camp on computers for students entering grades 6 through 12. Students attending this camp will be exposed to a variety of programming languages; group and individual instruction; guest speakers on the specific areas of computer hardware and software; hands-on experience

from microcomputers to main frames; organized recreation and sports; tours of computing centers and manufacturing facilities.

The camp is open to beginning and experienced computer users. Students can register as residents or commuters.

For more information and registration materials contact: Summer Computer Camp, Department of Conferences, University of Southern Maine, 96 Falmouth Street, Portland, Maine 04103.

Southern Maine Music Camp

July 10-23

The Southern Maine Music Camp will again offer a two-week concentrated musical experience for high school students. Major ensembles offered this summer include concert band, jazz band, and choir. In addition, the campers will be involved in chamber music and will study basic music theory and music history. Several faculty recitals will be presented and the closing concert will provide an exciting climax to the camp.

The major ensemble conductors will be Peter Martin, concert band, and Bob Russell, choir. These conductors will be joined by other instructors and guest lecturers throughout the two weeks in areas such as voice, percussion, piano, brass, woodwind, theory, and history. The Music Camp is under the general direction of Mr. John Boden of the USM music department.

Students can register as either a resident or a commuter. The fee for commuters is \$135.00, which includes tuition, registration fees, and scores. The resident fee is \$295.00, which includes tuition, registration fees, scores, and full room and board for the two weeks.

The program starts at 8:00 A.M. and ends at 5:00 P.M. each day. Individual lessons are available and can be arranged prior to the camp opening or when students arrive. Individual practice time and various extracurricular activities have also been planned.

To register for the Southern Maine Music Camp, please send your name, address, age, sex, instrument, and choice of resident or commuting status to: Southern Maine Music Camp, Department of Conferences, University of Southern Maine, 96 Falmouth Street, Portland, Maine 04103.

Requests for information regarding the Southern Maine Music Camp program should be directed to: Mr. John Boden, USM Music Department, 37 College Avenue, Gorham, Maine 04038, or telephone 780-5265.

Baseball Day Camp

July 4-7

The University of Southern Maine is offering its first baseball day camp for 8 to 12 year olds. The USM Baseball Camp's objectives are to give campers an opportunity to learn more about the game of baseball, to polish their individual skills, and to develop interest and knowledge of the game to their maximum potential.

The staff is selected for their knowledge of baseball and their ability to teach fundamentals. The daily schedules are designed to cover every phase of the game. Emphasis is placed

on individual instruction with specialized instructors in pitching, hitting, catching, base running, etc. The six to one ratio of campers to coaches will ensure ample time for all campers to develop skills in each specialty area.

The \$125.00 Baseball Day Camp registration fee includes tuition, lunch each day, and accident insurance. A \$25.00 nonrefundable deposit must accompany your registration form.

To register for the Baseball Day Camp, please send the name, address, and age to: Baseball Day Camp, Department of Conferences, University of Southern Maine, 96 Falmouth Street, Portland, Maine 04103.



SWISH Basketball Camp

Girls' Week (grades 7-12):

June 26-July 1

Boys' Senior Week (grades 10-12):

July 31-August 5

Boys' Junior Week (grades 7-9):

August 7-12

The 1983 SWISH Basketball Camp will again be under the direction of Bob Brown, assistant basketball coach at Boston University. Coach Brown, formerly head coach at South Portland High School, is an outstanding clinician and speaker, bringing extensive experience working with motivating young players. Coach Brown will be joined by a number of outstanding clinicians and lecturers from throughout the country. Continuing in the position of camp director will be Joey Bouchard, USM head basketball coach.

The SWISH Camp experience seeks to provide instruction in all phases of basketball to boys and girls entering grades 7 through 12. Each camper will receive individual, team, and group instruction. The camp features training concepts and programs, discussion on the care and prevention of basketball injuries, team concepts, modern facilities, divisions of competition, and a positive approach to the world of basketball.

The SWISH Camp registration fee for either session is \$190.00 for boarders or \$160.00 for commuters. The boarder fee includes tuition, room and board, a SWISH shirt, and accident insurance. The commuter fee does not include room or breakfast, but does include a noon and evening meal. A \$25.00 nonrefundable deposit must accompany your registration form. Registration is limited with applications accepted on a first-come, first-served basis.

To register for one of the SWISH Basketball Camp sessions, please send the name, address, age, sex, and session desired to: SWISH Basketball Camp, Department of Conferences, University of Southern Maine, 96 Falmouth Street, Portland, Maine 04103.

STIX Field Hockey Camp

July 17-22

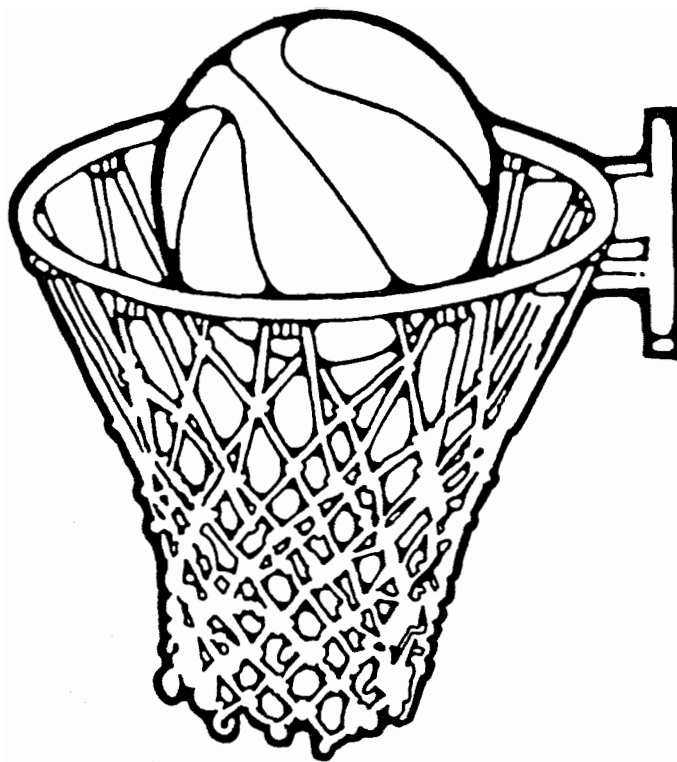
The objective of the Field Hockey Camp is to provide the highest quality instruction in all phases of field hockey to girls entering grades 7 through 12. Emphasis will be placed on individual and team instruction, fair play, positive thinking, and the world of field hockey. The camp will feature training concepts and programs, discussion on the care and prevention of injuries, modern facilities, and division of competition.

The camp will be under the direction of Janet Willis, head coach at South Portland High School. For the past three years, Coach Willis has been the director of the Northeast Field Hockey Camp; she has also coached

the Memorial Junior High School team to five championships in the Greater Portland League in the past five seasons. Joining Coach Willis will be other high school and college coaches from throughout New England.

The registration fee includes tuition, camp shirt, accident insurance, and a copy of field hockey rules. The commuter fee of \$140.00 includes lunch each day, while the boarder fee of \$180.00 includes room and board on the Gorham campus. A \$25.00 non-refundable deposit must accompany your registration. Registration is limited with applications accepted on a first-come, first-served basis.

To register, or for further information, please contact: STIX Field Hockey Camp, Department of Conferences, University of Southern Maine, 96 Falmouth Street, Portland, Maine 04103.



Elderhostel

Week I: July 10-16

Week II: July 17-23

Week III: July 24-30

Elderhostel, a network of over 400 colleges, universities, and other schools, combines the best tradition of education and hosting. The USM Elderhostel offers week-long academic programs to people over the age of 60 or to those whose spouse or companion qualifies.

The University of Southern Maine will offer three weeks of Elderhostel this summer. The courses being offered in this summer's Elderhostel are both challenging and exciting. The courses are non-credit and are taught by University faculty members. There are no exams, no grades, and no required homework. The courses in general do not presuppose previous knowledge of the subject. Lack of formal education is not a barrier. Whether you've finished grade school or earned a Ph.D., if you have an adventurous spirit, you're perfect for Elderhostel.

The registration fee for one week of Elderhostel at USM is \$180.00. This includes tuition, room and board for the week (Sunday dinner through Saturday lunch), and the various extra-curricular activities available to hostellers. For local Elderhostellers who do not wish to live on campus, the registration fee is \$85.00. The program will be held on the Gorham campus.

To register, please send your name, address, age, and Social Security number, along with the Elderhostel week you want to attend to: Elderhostel, Department of Conferences, University of Southern Maine, 96 Falmouth Street, Portland, Maine 04103.

The course offerings for each of the Elderhostel weeks are as follows:

Week I, July 10-16

The Literature of Sport Contemporary short stories, poems, and articles on the subject of the game. Discussion of the social and cultural implications of sports past, present, and future.

The Age of Computers This course will examine the use of computers in our personal lives. Opportunity will be provided for students to use a small computer.

Memory, Drawing, and Collage An introduction to art-making derived from memory sources, using a wide variety of drawing and collage materials. Course includes daily studio, critique, and discussion. Appropriate for students of diverse experience.

Down East: An Introduction to the History of Maine A brief survey of the history of the state of Maine, from discovery to the present, with special emphasis on Greater Portland. A bus tour of historic places in Greater Portland will be included.

Week II, July 17-23

Fitness and Recreation This course is designed to help people learn about exercise and physical recreation. The major objective is to teach people the hows and whys of exercise.

Mussolini: Portrait of a Dictator

This course will focus on the rise of fascism in Italy and on the career of Il Duce. Mussolini's personality and his ability to gain and hold power will be explored.

Infectious Diseases and History This course will study the influence of selected infectious diseases in shaping the events of human history, and the potential impact of infectious diseases on the future world.

Week III, July 24-30

Abraham Lincoln and Hannibal Hamlin A discussion of Lincoln, a figure of intrinsic value and enduring fascination, and his vice-president, Hamlin, one of Maine's finest statespersons.

Stress and its Management This course is an introduction to current ways of understanding stress and the self-assessment of stress in your own life. Stress management techniques will be surveyed.

Short History of the Arabs A brief account of the history and culture of the Arab people, beginning in the 6th century and ending in modern times.



Lifeline

The Lifeline Adult Fitness Program is a comprehensive approach to cardiovascular disease prevention, intervention, and rehabilitation. Classes for sedentary but healthy adults are offered, including walking/jogging, aquatics fitness, and dance fitness. All participants undergo medical screening and fitness assessments before receiving individual exercise prescriptions.

Lifeline promotes adult learning through courses in stress management, smoking cessation, weight control, and nutrition counseling. All Lifeline activities are designed to promote positive lifestyle changes through education and exercise. Lifeline Adult Fitness Programs generally require medical clearance. Application to all programs should be made well in advance. All inquiries are welcomed at 780-4170.

Aerobics Programs

Starting Date: July 18

Walk/Jog is a program designed for the sedentary person who, for one reason or another, is not in good physical condition. This aspect of Lifeline is essentially a routine of walking/jogging, calisthenics, stretching, and relaxation techniques. Exercise begins slowly and progresses each week. At the end of ten weeks, one may elect to go into the intermediate program.

Aquatics is a cardiovascular exercise program for those who prefer swimming. Non-swimmers may also participate, as many of the exercises can be performed in the shallow end of the pool. A combination warm-up/water calisthenics routine is followed by a peak exercise period where heart rates are elevated to improve cardiorespiratory endurance. The exercise session ends with a cool-down period of slow walking and swimming, and final stretch downs on the pool deck.

Aerobic Dance is a choreographed exercise program focusing on aerobic conditioning, muscular endurance, postural flexibility, and relaxation. Simple dances ranging from slow stretching warm-ups to strenuous rhythmical routines are followed by mat work to improve

muscle tone, strength, and flexibility. The program develops proper body alignment and maximum range of motion. Various relaxation techniques are explored at the end of each class.

Rehabilitation Programs

Heartline Post-coronary and high risk individuals can join Lifeline's Heartline program of cardiac rehabilitation. This is a physician-supervised class, utilizing walking and jogging to recondition persons who need close supervision while exercising. All participants must be referred to Heartline by their personal physicians. Throughout the program, periodic reports are sent to the primary physician and all significant events are promptly reported. Heartline is intended to improve communications between the participant and his or her personal physician. All necessary forms are provided by the Heartline office. All participants must enter at the start of a new session. (Sessions begin in mid-August, late October, early January, mid-March, and late May.)

The program provides exercise three times a week for 20 weeks. Exercise progresses from low-level stretching calisthenics and walking to moderately vigorous development calisthenics and perhaps jogging. Although done in a group, all exercise is individually prescribed and suited to each individual's capacity.

Pulmonary Rehabilitation Lifeline believes that patients with chronic obstructive pulmonary disease can achieve the highest functional activity level of which they are capable through a comprehensive, intensive program of exercise, education, and proper medical management. This is accomplished by increasing their awareness of their disease and its management, and through participation in a progressive cardiopulmonary exercise program. Participants are enrolled in the program only after referral from their primary care physician.

This program provides the opportunity for patients and their families to learn about anatomy, physiology, and respiration; the conditions that interfere with normal respiration; medications; diet; breathing exercise; relaxa-

tion; and respiratory hygiene. Because Lifeline believes that learning is active rather than passive, patients are considered as part of the involved team and are expected to share responsibility for their care. Class and activities are planned so that the patient has an opportunity to practice skills, integrate knowledge, and be involved in individualizing his/her home program. We assess the patient's learning needs, plan a program, guide the patient's learning, and evaluate the results.

Participants who are accepted into this program should express a need for help, offer personal goals, and stop smoking or be willing to attend non-smoking classes.

Low Back is a ten-week program consisting of progressive low-level exercise routines combined with periodic educational sessions. Emphasis is placed upon the improvements of postural and muscular strength and endurance, body flexibility, and relaxation techniques. Along with the exercise sessions, specific time is devoted to topics relating to low back problems. Medical clearance is required for all participants regardless of age. Appropriate medical forms will be provided for your physician to sign.



Health Education

Stress Reducer This four-week course deals with stress theory and management. Physical, psychological, and socio-cultural dimensions of stress will be discussed. Methods of stress management will be presented for discussion and experimental involvement. Topics will include relaxation training, aerobic exercise, and personality factors.

The instructor is Roger Zimmerman, Ph.D., practicing psychologist in the Portland area. Course offerings are at various times throughout the year.

Weight Reduction Small group sessions offered for nine weeks use a many-sided approach to weight reduction. The primary emphasis is on the individual identification and solution to problem-eating behaviors which may lead to or maintain overweight conditions. Proper nutrition and eating plans are emphasized and developed for participants, along with discussions on the myths of exercise.

The instructor is Barbara Keilson, Lifeline staff nutritionist and registered dietician. Courses are offered at various times throughout the year.

No Smoking—"I Quit" This course, offered for four weeks, two times per week, is designed to assist the smoker in making the decision to quit and does not offer false hopes of 100 percent success. The primary purpose is to help the smoker identify reasons for smoking and through group support make some decisions about stopping.

The instructor is Len Jordan, Lifeline exercise specialist. Courses are offered at various times throughout the year.

Selected Programs

Bodyshop helps people improve their posture and strength in a supervised program of weight training. A complete assortment of weight training equipment is available including Nautilus, Universal, and free weights. The Bodyshop program is a sensible approach to progressive resistance weight training for improving body tone, muscular strength, power, and endurance. Individually prescribed programs of exercise are designed to meet the particular goals and needs of each participant.

Each applicant will be interviewed. At this time a body assessment will be conducted which includes height, weight, flexibility, strength, body composition, blood pressure, and girth measurements, as well as an evaluation of respiratory function.

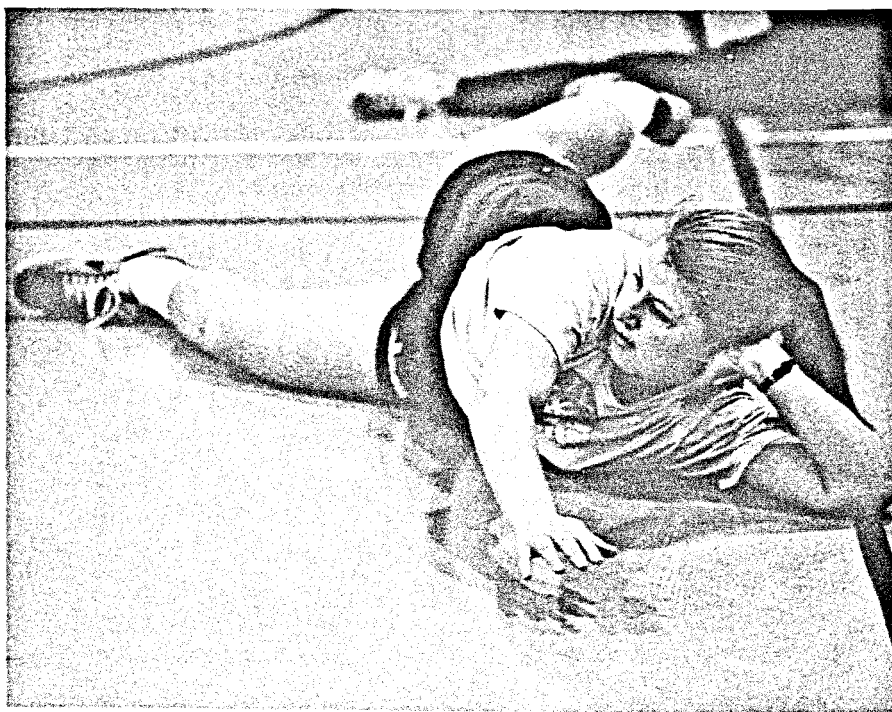
Senior Lifeline is designed for persons over age 60, including those who require a low level of exercise. Cardiovascular conditioning, determined by individual age-predicted heart rates, includes stationary bike riding, walking, or a combination of walking and jogging. Emphasis is placed on flexibility and muscular improvement of specific muscle groups. Senior Lifeline should be considered a maintenance type of exercise program, where individuals progress at their own rate. Participants may enroll on a continual basis.

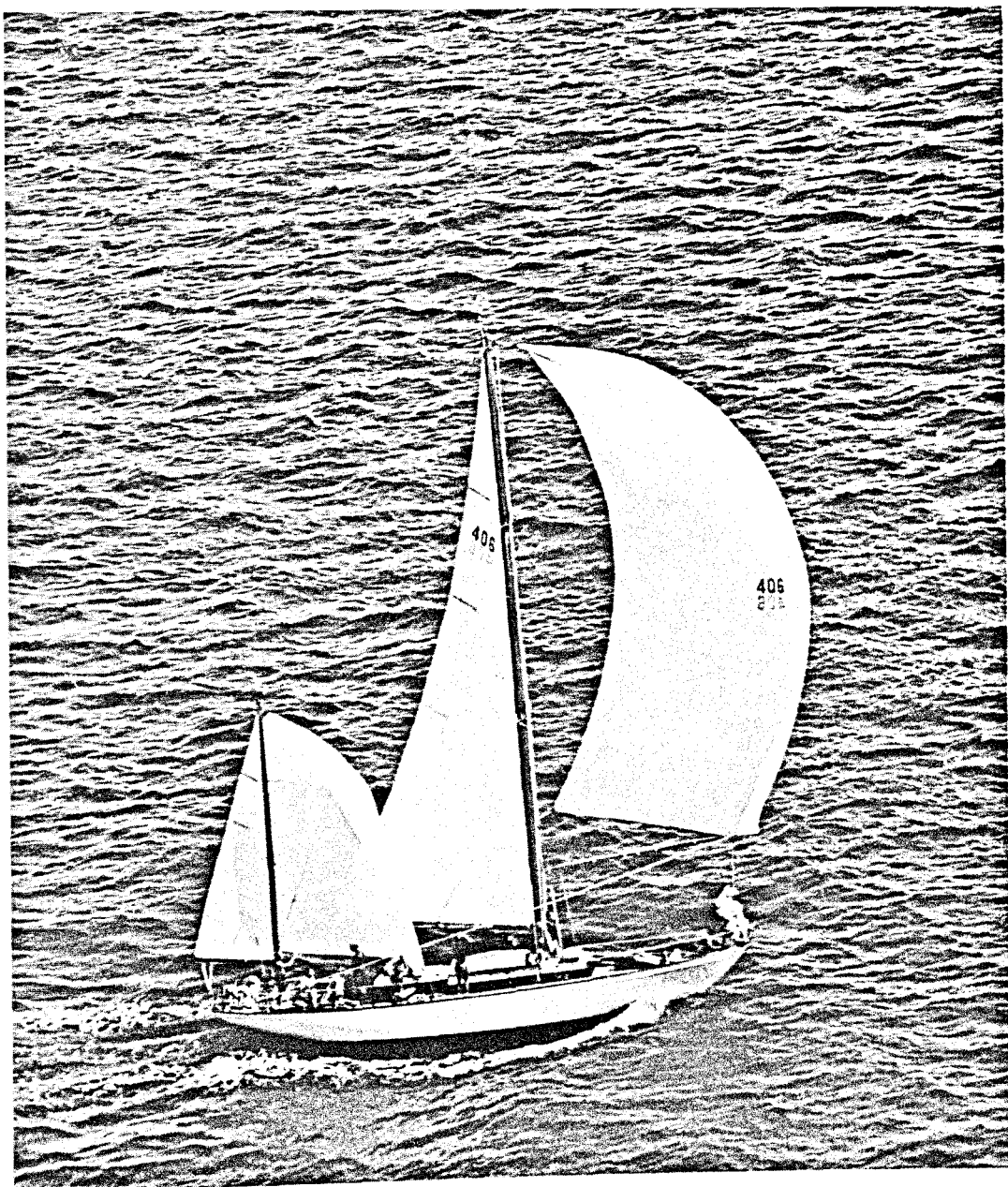
Food and Fitness is designed for individuals who are overweight and have limited or no exercise habits. A combination of progressive exercise, nutritional information/lecture, and

group support sessions are utilized throughout the ten-week session. Medical clearance is required of all participants.

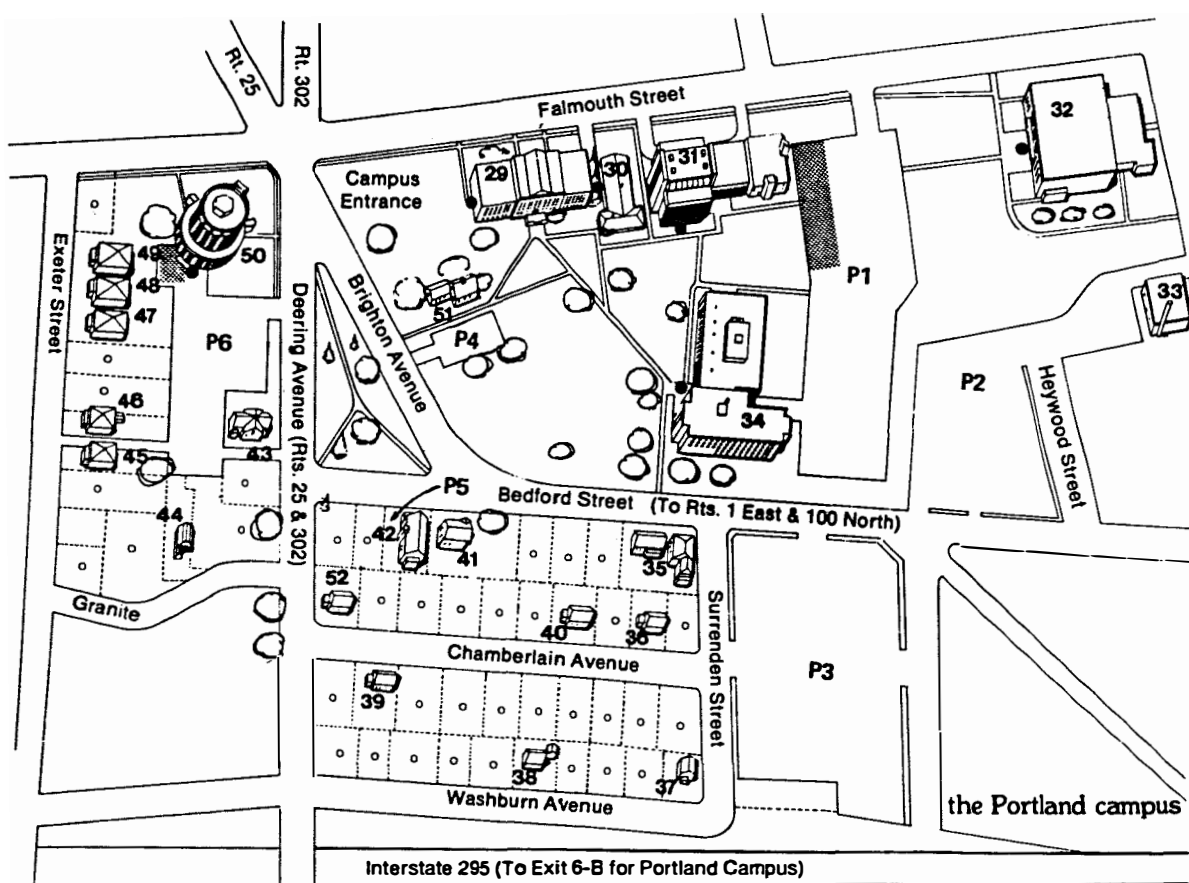
Youth Weight Training/Conditioning Program Lifeline offers a supervised training program for boys and girls 14 to 18 years of age. Courses are offered throughout the year utilizing the Lifeline Bodyshop. The program is designed to teach proper conditioning values and techniques; increase muscular strength and endurance; increase flexibility; and increase cardiovascular conditioning.

Lifeline Leisure-Learn Program The Portland Gymnasium facilities are available to the general public. The Leisure-Learn program provides group activities, leagues, clinics, and physical fitness opportunities for its members. Leisure-Learn offers participants activities and equipment for racquetball, handball, squash, volleyball, basketball, weight training, sauna baths, badminton, jogging, tennis, table tennis, dance, and many others.





Portland Campus



Accessible buildings provide entrances (indicated by dots) and elevators adequate for all handicapped persons. Parking areas for the handicapped are shown by dotted areas.

Portland Campus

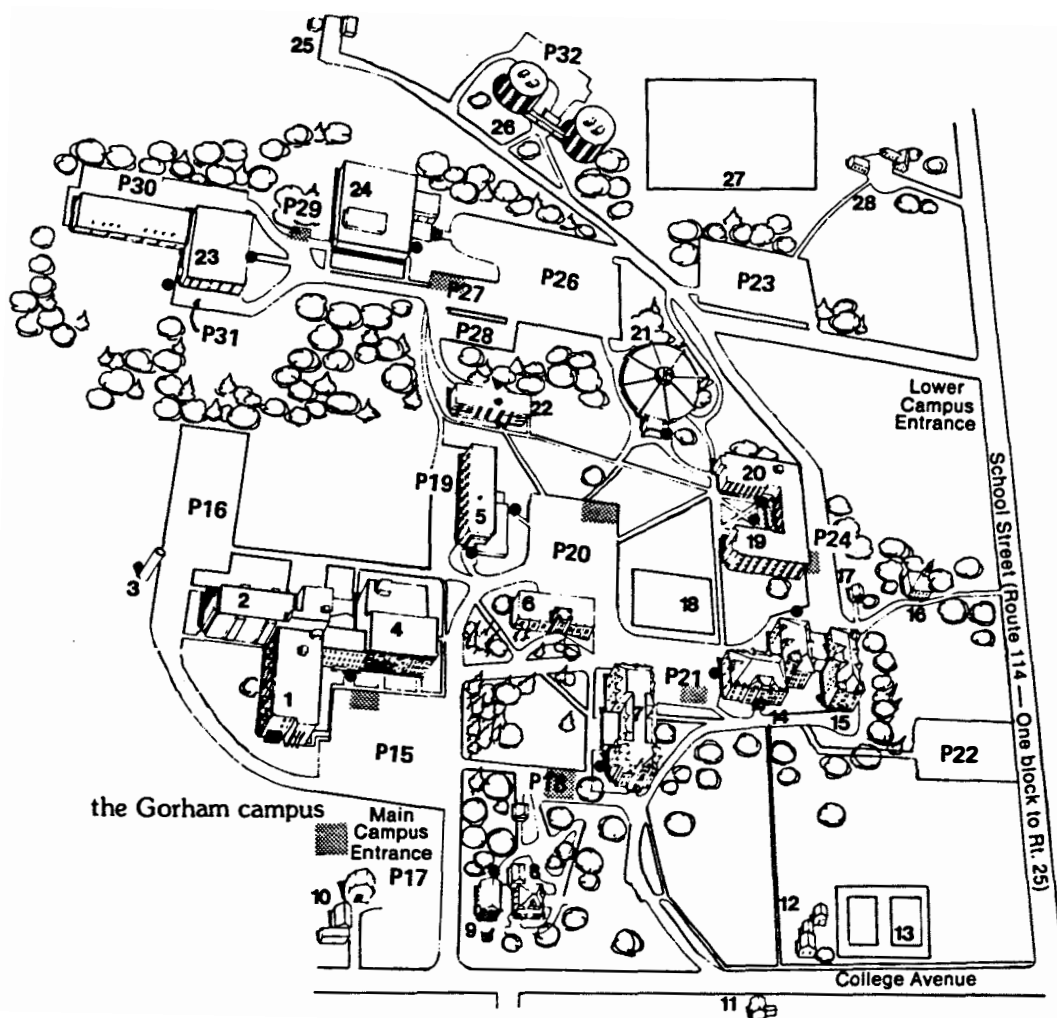
- 29. Payson Smith Hall
- 30. Bookstore
- 31. Science Building
- 32. Portland Gymnasium
- 33. Central Heating Plant
- 34. Luther Bonney Hall and Library
- 35. Student Union Buildings, 92 & 94 Bedford Street
- 36. Faculty Offices, 7 Chamberlain Avenue
- 37. Faculty Offices, 3 Washburn Avenue
- 38. Faculty Offices, 25 Washburn Avenue
- 39. Faculty Offices, 38 Chamberlain Avenue
- 40. Cooperative Extension Services, 15 Chamberlain Avenue
- 41. Faculty Offices, 118 Bedford Street
- 42. Faculty Offices, 120 Bedford Street
- 43. President's and Provost's Offices, Summer Session Office 228 Deering Avenue

- 44. Faculty Offices, 11 Granite Street
- 45. Faculty Offices, 39 Exeter Street
- 46. Maine Public Broadcasting Network, 45 Exeter Street
- 47. Faculty Offices, 55 Exeter Street
- 48. Faculty Offices, 59 Exeter Street
- 49. Faculty Offices, 65 Exeter Street
- 50. Law School/Center for Research and Advanced Study
- 51. Alumni House
- 52. Administrative Offices

Parking

- P1. Faculty/Staff/Student Commuter
- P2. Student Commuter
- P3. Student Commuter/Resident
- P4. Faculty/Staff/Visitor
- P5. Faculty/Staff
- P6. Faculty/Staff/Visitor

Gorham Campus



Accessible buildings provide entrances (indicated by dots) and elevators adequate for all handicapped persons. Parking areas for the handicapped are shown by dotted areas.

Gorham Campus

1. Bailey Hall (Science)
2. Bailey Hall (Classroom)
3. Water Tower
4. Bailey Hall (Library)
5. Woodward Hall
6. Russell Hall
7. Corthell Hall
(Admissions, Summer Session Office)
8. President's House
9. Art Gallery
10. Facilities Management
11. University College of Education,
24 College Avenue
12. Maine Children's Resource Center,
19 College Avenue
13. Tennis Courts
14. Robie Hall

15. Andrews Hall
16. The Academy
17. Service Building
18. Tennis Courts
19. Hastings Hall
20. Upton Hall
21. Dining Center
22. Anderson Hall
23. Industrial Education Center
24. Warren G. Hill Gymnasium
25. Heating and Sewage Plants
26. Dickey-Wood Residential Towers
27. Athletic Field
28. McLellan House

Parking

- P15. Faculty/Staff
P16. Student Commuter
P17. Faculty/Staff
P18. Visitor
P19. Student Commuter
P20. Faculty/Staff
P21. Faculty/Staff
P22. Student Resident
P23. Student Resident
P24. Student Resident
P26. Student Resident
P27. Faculty/Staff/Student Commuter
P28. Student Resident
P29. Faculty/Staff
P30. Student Commuter
P31. Faculty/Staff
P32. Faculty/Staff

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