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# 1972 SUMMER SESSION UNIVERSITY OF OREGON

Eugene

All students must file a Registration Request notice with the Registrar's Office before Summer Session registration procedures can be started. Filing a Registration Request Notice does not constitute admission; filing by June 1 insures that registration materials will be available by registration day, June 19. Graduate students see pages 22-23 for admission information; undergraduate students see page 19. Complete registration information begins on page 29.

Registration Request cards are in the back of this bulletin.

## 1972 Summer Session Calendar

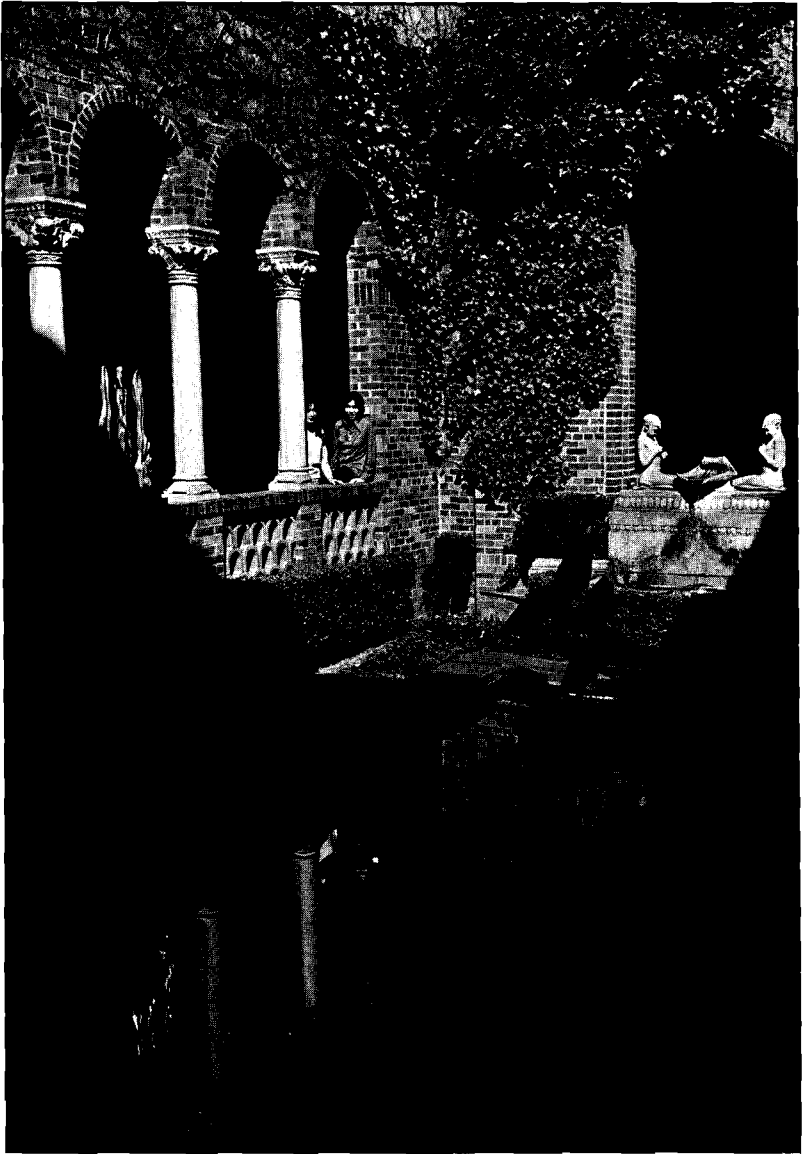
June 12, Monday	.....	Pre-session workshops begin
June 19, Monday	.....	Registration
June 20, Tuesday	.....	Classes begin
June 21, Wednesday	.....	Last day to pay registration fees for eight-week and eleven-week courses without penalty
July 12, Wednesday	.....	Last day to apply for all degrees
July 28, Friday	.....	Last day for scheduling final presentation with the Graduate School office
August 11, Friday	.....	Last day for submitting "Statement of Completion of Requirements for Master's Degree" to Graduate School Office
August 10-11, Thursday-Friday	.....	Final examinations for eight-week courses
August 12, Saturday	.....	Summer Session graduation convocation
August 18, Friday	.....	Last day for doctor's final presentation
August 29, Tuesday	.....	Last day for turning in master's theses and doctoral dissertations to Graduate School office
August 31-September 1, Thursday-Friday	.....	Final examinations for eleven-week courses
September 1, Friday	.....	End of Summer Session

UNIVERSITY OF OREGON BULLETIN

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1972 BULLETIN  
SUMMER SESSION  
University of Oregon  
Eugene

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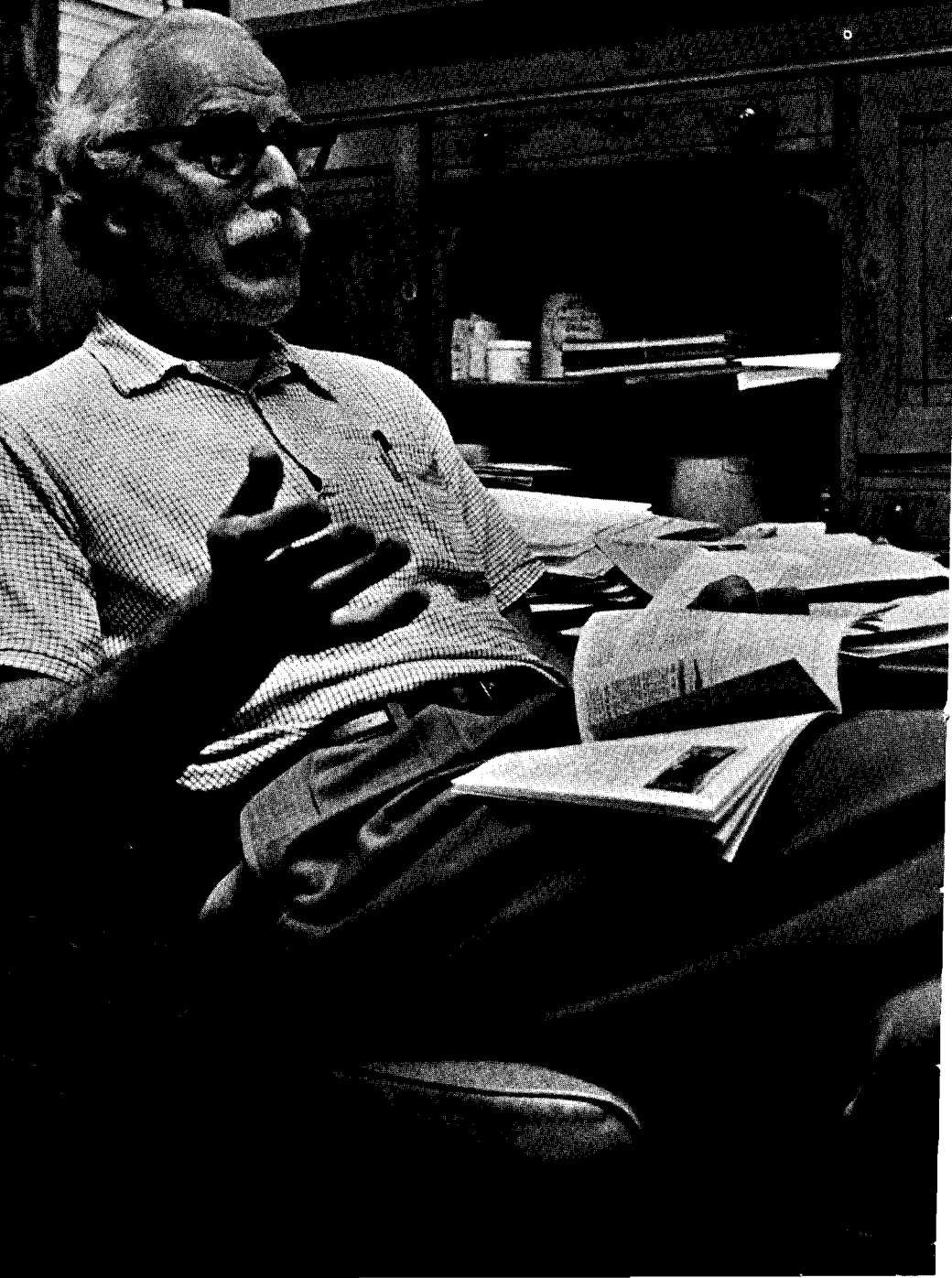
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Master. If a  
consecration meeting  
send at least a verse of Scripture  
response in my name at the roll call.





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- MARILYN J. MCCULLY, M.A., Visiting Instructor in Art History.
- DONALD F. MCGAVERN, M.S., Assistant Professor of Physical Education; Diving Coach.
- BRUCE MCKINLAY, Ph.D., Associate Professor of Community Service and Public Affairs.
- JOHN C. MCMANUS, M.A., Associate Professor of Music.
- ADELL MCMILLAN, M.S., Assistant Professor of Leisure and Cultural Service Administration.
- WALDO F. MCNEIR, Ph.D., Professor of English.
- JAMES R. MCWILLIAMS, Ph.D., Assistant Professor of German.
- JERRY F. MEDLER, Ph.D., Assistant Professor of Political Science.
- KENNETH T. METZLER, M.S.J., Associate Professor of Journalism.
- JAMES A. MILLER, A.Mus.D., Associate Professor of Music.
- MYRA S. MILLER, S.W. Certificate, Assistant Professor of Community Service.
- SUSAN MILLER, M.Ed., Senior Instructor in Education.
- WILLIAM C. MITCHELL, Ph.D., Professor of Political Science.
- ARTHUR MITTMAN, Ph.D., Professor of Education.
- THOMAS C. MOAN, M.S.W., Adjunct Instructor in Community Service.
- FULLER MOORE, M.Arch., Assistant Professor of Architecture.
- WILLIAM E. MOORE, Ed.S., Instructor in Education.
- ROBERT W. MORRIS, Ph.D., Professor of Biology.
- PERRY D. MORRISON, D.L.S., Dean of the School of Librarianship; Professor of Librarianship.
- PETER MOULTON, Ph.D., Assistant Professor of Computer Science.
- ANDREW F. MOURSUND, Ph.D., Professor Emeritus of Mathematics.
- DAVID MOURSUND, Ph.D., Associate Professor of Computer Science and Mathematics; Head, Department of Computer Science.
- CORLEE MUNSON, Ph.D., Associate Professor of Physical Education.
- GORDON J. MURPHY, M.S., Senior Instructor in Biology.
- CLAUDEEN NAFFZIGER, Ph.D., Assistant Professor of Community Service.
- JOHN M. NAGLE, Ph.D., Assistant Professor of Education; Member, Center for the Advanced Study of Educational Administration.
- LARRY L. NEAL, D.Ed., Assistant Professor of Recreation Management.

- MIKE NEILL, M.S., Visiting Instructor in Computer Science.  
ROY PAUL NELSON, M.S., Professor of Journalism.  
ROGER A. NICHOLLS, Ph.D., Professor of German; Chairman, Department of German and Russian.  
IVAN NIVEN, Ph.D., Professor of Mathematics.  
C. MAX NIXON, B.F.A., Professor of Applied Design.  
HATTIE MAE NIXON, M.S., Adjunct Assistant Professor of Home Economics.  
CHARLES NORMAN, Ph.D., Assistant Professor of Education.  
GLENN NORRIS, M.S., Assistant Professor of Physical Education.  
ROBERT E. NYE, Ph.D., Professor of Music.  
VERNICE T. NYE, M.A., Associate Professor of Education.  
MARK F. OLDHAM, B.A., Instructor in Community Service.  
LOUIS A. OLIVIER, M.A., Instructor in Romance Languages.  
DOUGLAS OLSON, Ph.D., Assistant Professor of Quantitative Methods.  
EVA O'NEIL, D.Ed., Assistant Professor of Education.  
JOHN M. ORBELL, Ph.D., Associate Professor of Political Science.  
WILLIAM N. ORR, Ph.D., Assistant Professor of Geology.  
HENRY OSIBOV, D.Ed., Associate Professor of Education; Assistant to the Dean of Faculties.  
MAURICE OUDIN, Instructor in Romance Languages.  
HAROLD J. OWEN, M.Mus., Associate Professor of Music.  
CLYDE P. PATTON, Ph.D., Professor of Geography.  
KENNETH H. PAUL, M.A., Assistant Professor of Art.  
ARTHUR PEARL, Ph.D., Professor of Education.  
JOHN W. PERRIN, Ph.D., Assistant Professor of History.  
RICHARD C. PICKERING, M.F.A., Visiting Professor of Art.  
PHILIP K. PIELE, Ph.D., Assistant Professor of Education; Director, ERIC Clearinghouse on Educational Management.  
STANLEY A. PIERSON, Ph.D., Professor of History.  
GUNTIS PLESUMS, M.Arch., Assistant Professor of Architecture.  
DAVID J. POLICANSKY, M.S., Visiting Assistant Professor of Biology.  
JOHN L. POWELL, Ph.D., Professor of Physics.  
PERRY J. POWERS, Ph.D., Professor of Romance Languages; Head, Department of Romance Languages.  
HERBERT J. PREHM, Ph.D., Professor of Education; Chairman, Department of Special Education.  
JESSIE L. PUCKETT, M.S., Associate Professor of Physical Education.  
ELIZABETH S. RADEMAKER, Ph.D., Acting Assistant Professor of Education.  
RICHARD L. RAGATZ, Ph.D., Associate Professor of Urban Planning; Head, Department of Urban Planning.  
BOYD RANDALL, J.D., Assistant Professor of Accounting.  
RICHARD J. RANKIN, Ph.D., Professor of Education.  
ROBERT P. RAUS, Re.D., Assistant Professor of Recreation Management.  
DEAN F. REA, M.A., Associate Professor of Journalism.  
CHARLES M. REICH, Ph.D., Associate Professor of Recreation and Park Management.



- JAMES E. REINMUTH, Ph.D., Associate Professor of Quantitative Methods.  
EDWARD R. REUTER, Ph.D., Associate Professor of Physical Education.  
WILLIAM P. RHODA, D.Ed., Professor of Physical Education.  
CAROLYN O. RICE, M.L.S., Visiting Assistant Professor of Librarianship.  
LARRY E. RICHARDS, Ph.D., Associate Professor of Quantitative Methods.  
HELMUTH RILLING, Professor of Music, State Academy of Music, Frankfurt, Germany; Visiting Professor of Music.  
DONALD R. RINEHART, M.S.W., Adjunct Associate Professor of Community Service.  
MILDRED C. ROBECK, Ph.D., Professor of Education.  
WILLIAM J. ROBERT, J.D., LL.M., Professor of Business Law.  
HORACE W. ROBINSON, M.A., Professor of Speech.  
WILLIAM ROCKETT, Ph.D., Assistant Professor of English.  
ROY H. RODGERS, Ph.D., Professor of Sociology; Head, Department of Sociology.  
LYNN S. RODNEY, Ph.D., Acting Dean of the School of Health, Physical Education, and Recreation; Chairman, Division of Leisure and Cultural Services, School of Community Service and Public Affairs.  
STANLEY L. ROSE, Ph.D., Assistant Professor of Romance Languages.  
RONALD J. ROUSSEVE, Ph.D., Professor of Education.  
PAUL P. RUDY, Ph.D., Associate Professor of Biology; Director, Oregon Institute of Marine Biology.  
RALPH J. SALISBURY, M.F.A., Associate Professor of English.  
CHRISTOPHER L. SALTER, Ph.D., Assistant Professor of Geography, U.C.L.A.; Visiting Assistant Professor of Geography.  
H. ROYCE SALTZMAN, D.M.A., Professor of Music.  
SHARON SALVETER, M.S., Instructor in Computer Science.  
ADOLPH A. SANDIN, Ph.D., Professor of Education.  
MICHAEL G. SASLOW, Ph.D., Adjunct Associate Professor of Community Service and Public Affairs.  
NORMAN M. SAVAGE, Ph.D., Associate Professor of Geology.  
OSCAR SCHAAF, Ph.D., Professor of Education.  
BENSON SCHAEFFER, Ph.D., Assistant Professor of Psychology.  
RICHARD G. SCHLAADT, Ed.D., Associate Professor of Health Education.  
RICHARD C. SCHMIDT, Ph.D., Assistant Professor of Anthropology.  
FRANCES G. SCOTT, Ph.D., Professor of Education; Director, Center for Gerontology.  
GARY H. SEARL, M.S., Assistant Professor of Geography, Lane Community College; Instructor in Geography, University of Oregon.  
LESTER G. SELIGMAN, Ph.D., Professor of Political Science.  
LESLIE L. D. SHAFFER, Ph.D., Associate Professor of Management.  
ALYCE R. SHEETZ, M.S., Assistant Professor of Journalism.  
GUY SHELLNBARGER, M.Ed., Professor of Education.  
MICHAEL SHELLNBARGER, M.Arch., Visiting Assistant Professor of Architecture.  
GEORGE SHEPERD, Ed.D., Associate Professor of Education,

- WILLIAM C. SHEPPARD, Ph.D., Assistant Professor of Psychology.
- PETER R. SHERMAN, M.A., Senior Instructor in Mathematics.
- RONALD E. SHERRIFFS, Ph.D., Associate Professor of Speech; Director, Broadcast Communication Area.
- STEPHEN C. SHUCARD, Ph.D., Assistant Professor of Classics.
- PAUL E. SIMONDS, Ph.D., Associate Professor of Anthropology.
- DANIEL G. SIMONIN, C.A., Professor of French Literature University of Zagreb, Yugoslavia; Ecole Normale Supérieure de Saint-Cloud; Visiting Associate Professor of Romance Languages.
- CLARENCE SLOAT, Ph.D., Associate Professor of English.
- EVERETT G. SMITH, Ph.D., Associate Professor of Geography.
- RICHARD J. SMITH, Ph.D., Associate Professor of Physical Education.
- WARREN E. SMITH, Ed.D., Professor of Health Education; Head of Department.
- GARY SNOW, M.S., Instructor in Education.
- JOSE MIGUEL SOBRÉ, M.A., Instructor in Romance Languages.
- JUDITH B. SOBRÉ, Ph.D., Assistant Professor of Art History.
- WOLFGANG F. SOHLICH, Ph.D., Assistant Professor of Romance Languages.
- NORMAN E. SOWELL, B.S., Assistant Professor of Military Science.
- JOYCE SPENCE, Ph.D., Assistant Professor of Education.
- VERNON S. SPRAGUE, Ph.D., Professor of Physical Education; Head, Department of Physical Education for Men.
- JOHN STAMM, Ph.D., Assistant Professor of Education.
- GLENN STARLIN, Ph.D., Professor of Speech.
- ALAN L. STEPHENSON, Ph.D., Visiting Assistant Professor of Religious Studies.
- RICHARD C. STEVENSON, Ph.D., Assistant Professor of English.
- NONDA STONE, M.Ed., Senior Instructor in Special Education; Acting Director, Special Education Component, University Affiliated Center.
- WILLIAM C. STRANGE, Ph.D., Associate Professor of English.
- G. DOUGLÁS STRATON, Ph.D., Professor of Religious Studies.
- NORMAN D. SUNDBERG, Ph.D., Dean of Community Service and Public Affairs; Professor of Community Service and Public Affairs; Professor of Psychology.
- JOHN E. SUTTLE, Ed.D., Professor of Education.
- ROBERT A. SYLWESTER, Ed.D., Professor of Education.
- STEPHEN J. Y. TANG, M.S., Professor of Architecture.
- DONALD S. TAYLOR, Ph.D., Professor of English.
- NATHANIEL TEICH, Ph.D., Assistant Professor of English.
- ROBERT C. TERWILLIGER, Ph.D., Assistant Professor of Biology; Assistant Director, Oregon Institute of Marine Biology.
- FRANCIS C. THIEMANN, Ph.D., Associate Professor of Education; Member, Center for the Advanced Study of Educational Administration.
- CLARENCE E. THURBER, Ph.D., Professor of International Development and Public Affairs Administration; Chairman, International Development and Public Affairs and Administration.
- HOWARD E. A. TINSLEY, Ph.D., Assistant Professor of Education.
- J. BARRE TOELKEN, Ph.D., Associate Professor of English.
- DONALD E. TOPE, Ph.D., Visiting Professor of Education.

- ROBERT M. TROTTER, Ph.D., Dean of the School of Music; Professor of Music.  
MONTE E. TUBB, M.Mus., Associate Professor of Music.  
PAUL E. TUCKER, Ed.D., Assistant Professor of Education.  
ALVIN W. URQUHART, Ph.D., Associate Professor of Geography.  
MICHAEL UTSEY, M.E.D., Assistant Professor of Architecture.  
ROBERT S. VAGNER, M.Mus., Professor of Music; Director, University Bands.  
JAMES M. VAN BUSKIRK, Ph.D., Associate Professor of Mathematics.  
DONALD R. VAN HOUTEN, Ph.D., Associate Professor of Sociology.  
DONALD P. VAN ROSSEN, Ph.D., Associate Professor of Physical Education.  
ROBERT P. VAN SPYK, M.A., Instructor in Geography.  
LOUIS VERANO, Instructor in Romance Languages.  
KENNETH D. VIEGAS, M.S.W., Associate Dean of Community Service and Public Affairs; Chairman, Community Service; Associate Professor of Community Service.  
R. MAX WALES, M.A., Professor of Journalism.  
CARL J. WALLEN, Ed.D., Associate Professor of Education.  
RUTH WAUGH, Ph.D., Assistant Professor of Education; Director, DeBusk Center.  
A. KINGSLEY WEATHERHEAD, Ph.D., Professor of English.  
W. ED WHITELAW, Ph.D., Associate Professor of Economics.  
DANIEL WHITWELL, Ph.D., Professor of Music (Conducting), San Fernando State College, California; Visiting Professor of Music.  
VIRGINIA J. WHITFIELD, Ed.D., Professor of Music.  
THOMAS B. WIENS, B.A., Assistant Professor of Economics.  
DANIEL E. WILLARD, Ph.D., Assistant Professor of Landscape Architecture, The Environmental Awareness Center and The Institute for Environmental Studies, University of Wisconsin; Visiting Assistant Professor of Biology.  
NEIL E. WILSON, Ph.D., Professor of Music.  
WILLIS L. WINTER, Ph.D., Associate Professor of Journalism.  
HERBERT P. WISNER, M.S., Instructor in Biology.  
JERRY M. WOLFE, M.A., Instructor in Mathematics.  
HUGH B. WOOD, Ed.D., Professor of Education.  
ENDA P. WOOTEN, Ph.D., Professor of Physical Education.  
BEVERLY E. WRIGHT, M.L.S., School Library Consultant, Santa Barbara Public Schools, Santa Barbara, California; Visiting Assistant Professor of Librarianship.  
MARJORIE B. WRIGHT, M.S.W., Assistant Professor of Community Service.  
BOB L. WYNIA, M.S., Assistant Professor of Public Affairs and Administration.  
PHILIP D. YOUNG, Ph.D., Associate Professor of Anthropology.  
LOIS J. YOUNGEN, M.A., Assistant Professor of Physical Education.  
JAN ZACH, Professor of Art.  
M. GEORGE ZANINOVICH, Ph.D., Professor of Political Science.  
CALVIN J. ZIGLER, Ed.D., Assistant Professor of Education.  
ROBERT L. ZIMMERMAN, Ph.D., Associate Professor of Physics.



# The Summer Program

Because the University's summer session is designed to meet the educational needs of a broad range of students the curriculum is organized into calendar time spans of varying lengths.

The *eight-week session* is the primary calendar period and in 1972 begins June 20 and concludes August 11.

The *eleven-week session* begins June 20 and concludes September 1, and consists primarily of three-term undergraduate sequence courses. The first term of sequence courses is scheduled during the first four weeks of the summer session (June 20-July 14), the second term during the second four-week period (July 17-August 11), and the third term during the final three weeks (August 14-September 1).

*Special courses* of varying lengths are offered throughout the summer. Most are four weeks, but a number of two-week and one-week courses are offered. Several workshops, primarily for teachers, are scheduled for the week preceeding summer session (June 12-16).

Students may take courses in any combination of time periods.

The maximum term-hour load for undergraduate students is 21 term hours; for graduate students, 16 term hours. (Graduate students should refer to page 24 for complete information regarding term hours allowed).

During the 1972 summer session, the nonresident fee is waived; all students pay resident fees. Complete fee information begins on page 30.

Further information about the summer session may be obtained by contacting the Director of Summer Session, Room 130 Education, University of Oregon, Eugene, Oregon 97403, or at (503) 686-3475.

## Undergraduate Work

**Admission As an Undergraduate.** Formal admission to the University is not required for enrollment in the Summer Session. However, the summer student who wishes to become a candidate for a degree from the University or intends to continue his studies in the fall, winter, or spring term is encouraged to complete regular University admissions procedures. As early as possible before the opening of the summer session, such a student should send to the Director of Admissions: (1) an application on an official University form; (2) a \$10.00 application fee (not refundable); (3) official transcripts of all high-school and college records. Specific admission requirements are listed in the regular session University Catalog.

**Admission through Prefreshman Program.** A resident of Oregon who is unable to qualify for fall-term admission on the basis of his high-school record or either SAT or ACT test scores, has the opportunity to qualify for admission by doing acceptable work during summer session. Those students seeking to qualify for fall-term admission may choose between registering in a 9-term-hour structured program or 12-term-hour unstructured program of elective course work. The 9-term-hour structured program must include 3 units of writing and any 6-unit combination of humanities, social science, or science. In either the structured or unstructured program, students are required to earn a 2.00 (C) grade-point average to qualify for fall-term admission. A nonresident who fails to qualify for admission has the same options as an Oregon resident except that he must earn a

grade-point average of 2.25. Any student who plans to participate in the prefreshman program is advised to contact the Office of Admissions for complete information.

**Student Conduct.** The University of Oregon operates under a progressive student conduct program, based on the premise that a university is dedicated "not only to learning and the advancement of knowledge, but also to the development of ethically sensitive and responsible persons." The University seeks to achieve these goals through a sound educational program and policies governing student conduct that encourage independence and maturity.

The University does not provide a protective shelter for its students. The responsibility for discipline is placed on the students and their parents. If a student commits a crime in the larger community, he receives no special consideration because he is a University student. He is subject to city, state, or other laws, just as is any other offender.

If a student interferes with the University's educational objectives or with the health or safety of others in the University community, he is then disciplined through one of the University's student courts. Minor offenses are generally handled by minor courts, while major offenses come before the student-faculty court.

The student has the right of appeal to a higher body, such as the University Appeals Board or other appropriate appellate bodies. The student also has the right to counsel. He may receive assistance from the student defender (a law student who works through the coordinator of the student conduct program), ask a friend or faculty member to appear in his behalf, hire an attorney, or defend himself. The student accused of a violation of the Student Conduct Code has an opportunity to know the nature and source of evidence against him and to present evidence in his own behalf. The coordinator administers the program and is available to counsel with each student referred through him to the student courts.

The section of the Student Conduct Code concerned with general policies, violations, and sanctions appears in the Summer Session Time Schedule of Classes. A complete copy of the code may be obtained from the Office of Student Conduct, Room 62 Straub-Omega Hall.

**Orientation for New Students.** Newly matriculating students are encouraged to attend an orientation meeting at 6:30 p.m. on Sunday, June 18, in the Erb Memorial Union—room to be posted. Resource personnel will be available from the Office of the Registrar, Admissions, Academic Advising, Student Services, Financial Aids, and the Student Health Center. This session is planned to assist new students in understanding the general academic policies and procedures of the University.

**Grading System.** Student work is graded as follows: A, excellent; B, good; C, satisfactory; P, satisfactory or better; N, unsatisfactory; I, incomplete; W, withdrawn; X, no grade reported by instructor; Y, no basis for grade. Students ordinarily receive one of the four passing grade or N. When the quality of the work is satisfactory, but some minor yet essential requirement of the course has not been completed for reasons acceptable to the instructor, a report of I may be made and additional time (normally not more than three terms) may be granted for completion of the work. In certain no-grade courses, students receive marks of P (pass), or N (no pass). W indicates official withdrawal from a course by filing the proper forms in the Registrar's Office in accordance with University regulations.

Students have the option of electing certain of their courses on an ungraded basis (P or N). Ninety-six term hours in ungraded course may be applied to a baccalaureate degree. Each department, school, or special curriculum has its own regulations on ungraded courses for majors. Before exercising this option, students should confer with their advisers.

**Program Planning.** Essential tools for program planning during the summer are the Summer Session Bulletin and the Time Schedule of Classes. Students who plan to attend fall term should also check the Regular Session Bulletin, which contains statements of official policy and practices on nearly every aspect of the University's operation, including admission to the regular session and degree requirements as well as all of the courses offered in schools and departments of the University.

The Summer Session Time Schedule of Classes indicates the times and places that classes meet. It also has a directory of faculty advisers, the summer academic calendar and term examination schedule, and notes on prerequisites. The Regular Session Bulletin may be consulted in the University Library and in departmental offices; the Time Schedule of Classes is available in the Registrar's Office.

**Meeting with an Adviser.** Every student who so desires will be advised by a member of the teaching faculty. All new students admitted on a regular basis are required to present a program signed by their adviser when their registration materials are checked. The objectives of the advising program are to help each student make the most of his educational opportunities and, specifically, to help him plan an academic program and to interpret the University's academic requirements and regulations. A Directory of Advisers, which lists faculty advisers by field, can be found in the Summer Session Time Schedule of Classes. Students who have selected a major field should consult with one of the appropriate advisers in the Directory. Other students should report to the Office of Academic Advising, Room 140, Hendricks Hall, for advising.

**Study Loads.** Students may take courses in both the eleven-week and eight-week sessions concurrently. A maximum of 21 term hours is allowed for undergraduates during the summer session. *No exceptions will be made.*

**Major.** It is not necessary that a student declare an official major during the summer session.



## Graduate Work

Many summer courses are available for graduate students; in some departments and professional schools much and sometimes all of the work for a master's degree may be completed in summer sessions.

**Admission as a Graduate School Student.** A student who intends to use the credits he earns in the summer session toward an advanced degree at the University must be admitted to the Graduate School. To be admitted to the Graduate School, a student must be a graduate of an accredited four-year college or university and must also be accepted by the professional school or major department in which he proposes to study.\* This acceptance is subject to the approval of the dean of the Graduate School. The schools and departments of the University determine their own specific requirements for graduate admission, which the student should familiarize himself with before applying. Initial acceptance may be either conditional or full.

If the student intends to work on his graduate program only in summer sessions, he should try to submit his application for admission to the Graduate School well in advance of his arrival on the campus, so as to make sure before coming that he will be accepted in his intended graduate program. If for any reason he is unable to submit his application before enrolling, he must submit it as early as possible in his first summer of enrollment. Unless he has been accepted by a school or department and admitted to the Graduate School by July 15, the credits he earns during the term cannot be applied toward a graduate degree at the University.

Former University of Oregon students must be formally admitted to the Graduate School in the same way as students from other colleges and universities. A student who has been formally admitted to the Graduate School and who desires to change his major must file a "Change of Major" form with his new department and any official documents the department may require.

If a student has not been enrolled previously at the University of Oregon, he must pay a \$10.00 admission application fee at the time he submits his application.

An applicant should address inquiries concerning graduate admission to the department or school in which he plans to study, not to the Graduate School or the Office of Admissions.

**Documents Supporting Application.** An applicant for admission to the Graduate School must submit to the Office of Admissions the first copy of an "Application for Graduate Admission" form, and an official transcript from the college or university from which he received *either* his bachelor's degree or a subsequent advanced degree. The remaining copies of this form, and an official transcript of *all* previous college work, both undergraduate and graduate, must be sent to the department or professional school in which the student wishes to study. The individual school or department may require other materials, such as scores on the Graduate Record Examination or Miller Analogies Test, or letters of recommendation. The applicant should ascertain from the school or department what additional material, if any, is expected.

**Continuing Study during Fall Term.** A student who enrolls as a Graduate School student in the summer session and wishes to continue his study in the fall term must submit an "Intent to Re-enroll" form no later than July 15. Because acceptance for the summer session does not of itself comprise acceptance for the succeeding fall, the "Intent to Re-enroll" form must be approved by both the Graduate School and the school or department in which the student wishes to study.

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\* Students from unaccredited institutions which offer the equivalent of baccalaureate instruction but not the degree itself may be admitted under special procedures if they are accepted by a school or department.



**Admission as a "Transient" Graduate Student.** A student with a baccalaureate or higher degree who wishes to take graduate courses at the University in the summer session but who does not wish to work for a graduate degree need not apply for admission to the Graduate School. He will be designated a "transient" graduate student. The work he takes will be recorded on his transcript as graduate credit and is transferable to another institution subject to whatever regulations govern such transfer at the institution concerned, but it may not be used toward an advanced degree at the University. Such a student may enroll in graduate courses under the same conditions as those that apply to students admitted to the Graduate School, but in courses where class size is limited, Graduate School students will be given preference in enrolling.

**Continuous Enrollment.** A student who has been admitted to the Graduate School either to work toward an advanced degree, or to take a specific program of graduate courses in pursuit of a nondegree objective (certificate, credential) must enroll continuously (except for summer session) in the University from the time he first registers until he has completed all requirements for the degree or for the certificate or credential.\*

In any term in which the student is making use of University services or facilities, he must enroll for a minimum of 3 term hours of graduate course work and pay the appropriate fees. Ordinarily he is expected to take this work in residence, but he may register by proxy for course work to be taken in absentia, when for example he is living elsewhere and writing his thesis or dissertation, sending portions of it to his adviser for criticism.

If the student interrupts his program of study for one or more terms (excluding summer session), he must register for on-leave status in order to maintain his standing in the Graduate School and his school or department. When the student registers for on-leave status, he is not required to pay fees, but neither is he permitted to make any demands on University staff or facilities. If he fails to register for on-leave status, it will be assumed that he has decided to discontinue his program, and his Graduate School standing will be canceled. In this event, if he should later wish to return he would be required to apply for readmission to the Graduate School and would be subject to the requirements for admission that are in force at that time.

On-leave status is granted for a stated period of time. A student pursuing his graduate study during the regular academic year may be granted on-leave status for a stated period of time, not to exceed one calendar year. A student who does all of his graduate work in summer session must secure leave for each ensuing academic year, and may request extensions of leave until he receives the degree, subject only to the seven-year time limit for master's degrees (see "Time Limit," below). An application for on-leave status, endorsed by the major department or professional school, must be received by the Graduate School not later than the last day to register for classes in that term as stated in the Time Schedule of Classes.

**Credit Requirements.** For a master's degree, the student must complete an integrated program of study totaling not less than 45 term hours in courses approved for graduate credit, at least 24 of these hours being earned in University graduate courses graded A, B, or C. Integration may be achieved either through a departmental major or through a program of interdisciplinary studies. For the master's degree with a departmental major, a minimum of two-thirds of the work (30 term hours) must ordinarily be in the major field. A student earning a second master's degree in a different field is required to take not less than 30 term hours in his new major, of which 24 must be in University courses graded A, B, or C. Graduate courses graded P may be counted in the 45 term hours required for a

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\* Registration for extension courses taken in the Division of Continuing Education does not satisfy the continuous enrollment requirement.

master's degree (or the 30 for a second master's), but may not be counted in the required 24 hours of courses graded A, B, or C.

**Grade Requirement.** A graduate student is required to earn at least a 3.00 average in all University courses graded A, B, or C taken for graduate credit in his degree program. A grade-point average of less than 3.00 at any time during the student's graduate studies is considered unsatisfactory, and may result in disqualification by the dean of the Graduate School after consultation with the student's major department or school. Disqualification means that the student's degree program is terminated and he is dropped from the Graduate School. Graduate credit is not granted for a course in which the student earns a grade of N.

**Residence Requirement.** The residence requirement for the master's degree is 30 term hours of work earned as a Graduate School student on the Eugene campus.

**Transferred Credit.** Credit earned at other accredited institutions, or in the Division of Continuing Education of the Oregon State System of Higher Education, may be counted toward the master's degree under the following conditions: (1) the total of transferred credit may not exceed 15 term hours in a 45-hour master's degree program; (2) the courses must be relevant to the degree program as a whole; (3) the transfer must be approved by the student's major department and the Graduate School; (4) the grades earned must be A, B, or P; (5) transferred credit may not be used to meet the requirement of 24 term hours of credit in University graduate courses graded A, B, or C (see also "Time Limit," below).

**Distinction Between the M.A. and M.S. Degrees.** For the M.A. degree, the student must show a competence in one foreign language; the level of proficiency and the method of determining that level are decided by his school or major department. There is no language requirement for the M.S. and professional degrees unless specified by the school or department.

**Course Requirement.** For the M.A. or M.S. degree with a departmental major, at least 9 term hours are required in 500-599 courses; for the interdisciplinary master's degrees, at least 6 term hours in 500-599 courses are required.

**Time Limit.** All work for a master's degree must be completed within a period of seven years. This includes work for which credit is transferred, thesis, and final examination.

**Maximum Course Load.** The maximum summer course load for a graduate student devoting full time to graduate study is 16 term hours for either the eight-week session or the eleven-week session. *Credits earned in pre- or post-session workshops, seminars, or other credit-yielding activities must be included in the 16-hour maximum.* All requests to exceed the 16-hour maximum must be approved by the dean of the Graduate School. If a petition is approved, the student will be assessed a \$20.00 surcharge for each term hour in excess of the 16-hour limit.

All graduate students using campus facilities or studying under the supervision of a member of the faculty during either the eight-week or eleven-week session are required to register for a minimum of 3 term hours of course work.

**Thesis Registration.** All graduate students working for an advanced degree for which a thesis is required must register for Thesis (503). The candidate for a master's degree with thesis is required to register for a minimum of 9 term hours in Thesis (503) before completing the program for the degree. A student working toward a doctor's degree is required to register for a minimum of 18 term hours in Thesis before completing the program for the degree. With school or department approval, up to 3 of the 9 hours of Thesis required for the master's

degree and up to 6 of the 18 required for the doctorate may be in Research (501) instead. Credit for Thesis (503) and Research (501) is granted on a pass/no pass basis.

## Interdisciplinary Studies

In addition to specialized graduate work in the traditional fields of learning, the University provides opportunities for integrated interdisciplinary studies leading to the M.A. or M.S. degree—including programs planned according to the individual student's interests and established programs of interdisciplinary studies organized and administered through interdepartmental faculty committees.

Graduate students pursuing a program of interdisciplinary studies during the summer session may supplement courses offered by the several departments and schools with individualized studies, for which they may enroll under the following course numbers:

- ISt 501. **Research.** Hours to be arranged.
- ISt 503. **Thesis.** Hours to be arranged.
- ISt 507. **Seminar.** Hours to be arranged.



## Graduate Program for Teachers

A special program of graduate study for students working toward the satisfaction of the Oregon state requirement of a fifth year of college work for final high school teacher certification is offered as one of the University's programs of interdisciplinary studies. The student must have a reasonable background of undergraduate study in education and in the field in which he proposes to work, and must complete prerequisites for specific courses. The requirements for a master's degree in the program for teachers are as follows:

A total of between 45 and 51 term hours in graduate courses, distributed in accordance with (a) and (b) below:

(a) A total of 36 term hours in subject fields (normally work in liberal arts departments or professional schools other than education), distributed in accordance with one of the following options:

**Option 1.** Between 15 and 21 term hours in each of two subject fields.

**Option 2.** A minimum of 36 term hours in one of the following fields: computer science, English, French, geography, history, mathematics, and school librarianship.

**Option 3.** A minimum of 36 term hours in the composite field of social studies or the composite field of science. A program in social studies must include work in at least three of the following fields: anthropology, economics, geography, history, political science, psychology, and sociology. A program in science must include work in at least three of the following fields: biology, chemistry, geology, mathematics, and physics.

In each of the options listed above, at least 6 term hours of work must be taken in 500 courses. The remaining courses may include, with some restrictions, both the 400 (G) and 400 (g) series. The student's program must be planned to provide well-rounded knowledge, and must not be made up of scattered, unrelated courses.

For the first two options, 18 term hours in each of the subject fields involved must be presented as an undergraduate prerequisite. For Option 3, the prerequisite is 12 term hours in each of the specific fields involved.

(b) Between 9 and 15 term hours in graduate courses in the field of education, the number of hours to be determined on the basis of the amount of work in education completed by the student as an undergraduate.

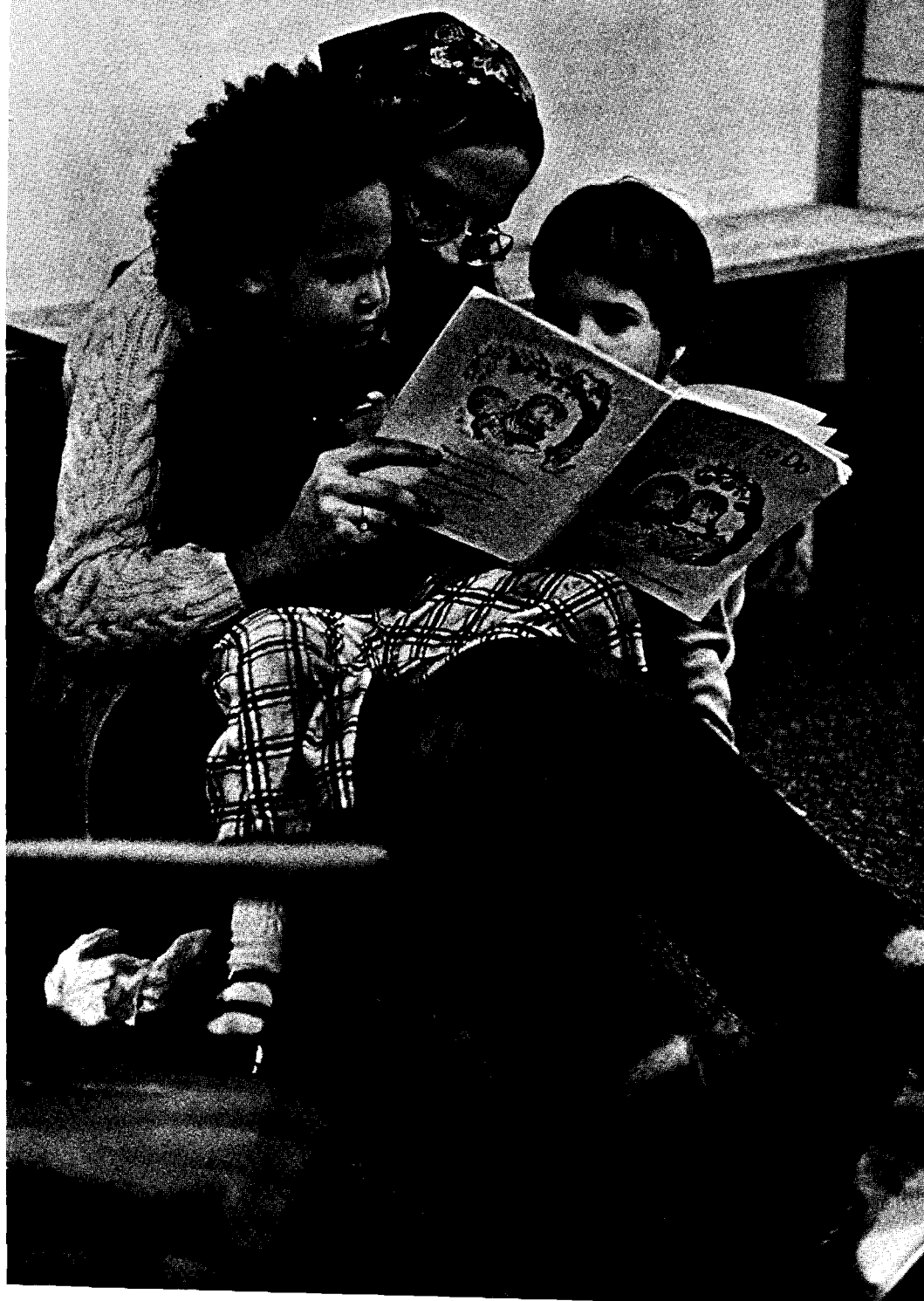
The combined total of work transferred from other accredited institutions and work done in the Division of Continuing Education of the Oregon State System of Higher Education cannot exceed 15 term hours.

Inquiries about the interdisciplinary programs for teachers in history, English, mathematics, geography, and French should be directed to the chairmen of these academic departments. Inquiries about programs in other areas should be directed to Lloyd R. Sorenson, Department of History.

## Administrative Certificates

The College of Education at the University of Oregon offers a comprehensive program of graduate work in educational administration based upon a recognized five-year teacher-education program. This provides (1) a plan for professional preparation in a teaching area, (2) an understanding of the learning process, and (3) a generalized conception of the foundations of education in American society.

One objective of the College of Education is to produce educational administrators with technical knowledge, skills, and attitudes necessary to the efficient operation of a single school, a multiple district, or a completely unified district embracing all levels from kindergarten through twelfth grade and higher education. Such preparation implies: (1) acquisition of knowledge and understanding formu-



lated by interdisciplinary studies, such as the behavioral sciences of anthropology, economics, education, political science, psychology, and sociology; (2) association, on local, state, and national levels, with the professional organizations involved in promoting the best programs in leadership development and maintaining that leadership in the field; (3) participation in research that evaluates the results of educational programs in order to reorganize, reemphasize, retain, or delete phases of the total educational operation; (4) professional development through field studies, in-service workshops, and off-campus internships at all levels of administration.

The program of upper-division and graduate courses, requiring a minimum of 33 term hours for school principals and 45 term hours for superintendents, includes participation in all of the above areas of emphasis with expectation of greater depth in some. It is the aim of the college to make the prospective or practicing administrator an educational leader who is able to analyze, interpret, and recommend solutions for complex educational problems.

The candidate who seeks admission to the planned program must have: (1) a valid basic teaching certificate; (2) completed a five-year general teaching norm at the level to be administered; (3) three years of legal, successful teaching experience at the level to be administered; (4) an acceptably high score on a standard college or university examination such as the Miller Analogies Test or Graduate Record Examination; (5) at least three recommendations from persons qualified to evaluate the candidate's potential for becoming a successful school administrator; (6) official admission granted by the University of Oregon and the College of Education.

The candidates who are admitted to a program are required to: (1) complete *in residence* 18 term hours of the 33 required for a standard principal's certificate and 24 term hours of the 45 required for a standard superintendent's certificate. The remainder of the credit hours may be taken at any other accredited institution in or out of Oregon, or in the Division of Continuing Education, Oregon State System of Higher Education; (2) maintain a grade average of "B" or better for the required work in the planned program for the standard administrative certificate; (3) plan with an adviser a 33- or 45-term-hour program which will achieve the desired standard administrative certificate; (4) complete the total planned program for a standard administrative or supervisor's certificate within a four-year period of time.

**Requirements for a Basic Administrative Certificate (Two-Year).** A basic administrative certificate valid for a period of two years shall be issued to an otherwise qualified applicant who: (1) holds a valid basic teaching certificate; (2) has completed a five-year general teaching norm at the level to be administered; (3) verifies three years of legal, successful teaching experience at the level to be administered; (4) verifies completion of 9 term hours of upper-division or graduate study in or accepted by a college or university approved by the Oregon Board of Education for the preparation of school administrators, this preparation to be applicable to a planned sixth-year program in the preparation of Administrators.

**Requirements for a Standard Administrative Certificate (Five-Year).** A standard administrative certificate, valid for a period of five years, shall be issued to an otherwise qualified applicant who: (1) holds a valid Oregon standard teacher's certificate or a five-year regular Oregon teacher's certificate; (2) verifies five years of successful teaching and administrative experience, at least two years of which shall have been in some supervisory or administrative capacity; (3) is recommended by the approved college or university in which the applicant completed his graduate program in preparation for school administration as having the qualifications essential for a school administrator; (4) verifies completion of the specialized professional requirements in the norm for school administration as determined by the Oregon Board of Education.

**Requirements for a Basic Supervisory Certificate (Two-Year).** A basic supervisory certificate valid for a period of two years shall be issued to an otherwise qualified applicant who: (1) holds a basic teaching certificate; (2) has completed the standard teaching norm in the areas to be supervised; (3) verifies three years of successful teaching experience in the regular public-school classroom or in the area of specialization in which the supervisor's certificate is requested; (4) verifies completion of nine term hours of graduate study in, or accepted by, a college or university approved by the Oregon Board of Education for the preparation of school supervisors, this preparation to be applicable to a planned program for the preparation of supervisors.

**Requirements for a Standard Supervisory Certificate (Five-Year).** A standard supervisory certificate, valid for a period of five years, shall be issued to an otherwise qualified applicant who: (1) has five years of successful teaching experience in the regular public-school classroom or in the area of specialization in which the supervisor's certificate is requested; (2) verifies 15 quarter hours of upper-division or graduate-level preparation subsequent to the master's degree completed in, or accepted by, a college or university approved by the Oregon Board of Education for the preparation of supervisors; (3) holds a standard teaching certificate with standard norms in the areas to be supervised; (4) completes a planned program for preparation of supervisors, with subject matter including improvement and evaluation of instruction, philosophy and techniques of supervision, group processes and organization, adult psychology and counseling skills, research skills, field experience or internship in supervision, or practicum in clinical supervision.

The above listed requirements are for persons whose major responsibilities lie in any one or more of the following areas: (1) organization and maintenance of professional growth program for certified personnel; (2) leadership responsibility for planning and development of curriculum; (3) improvement of instructional practices; (4) selection, maintenance, and use of effective instructional materials; (5) continuous evaluation of instruction and curriculum; (6) direction or supervision of special education.

All certificate programs are the responsibility of the department in the College of Education that provides the work leading to the particular "certificate."

**The Sixth-Year Certificate.** The College of Education of the University of Oregon offers a sixth-year program which calls for a total of 60 term hours of upper-division and graduate study beyond the master's degree. The 60-term-hour program provides time for study in social sciences, humanities, and professional-school administration areas beyond that required to attain a standard certificate.

Sixth-year certificates may be earned by superintendents, principals, supervisors, or any other professional-school employees upon completing the 60-term-hour planned program. This certificate will in most cases meet any membership requirements in state or national organizations of principals, superintendents, supervisors, or other educational specialists. The candidate and his adviser can always arrange programs to cover special needs and interests.

## Registration

All Summer Session students intending to enroll for credit must file a REGISTRATION REQUEST notice with the Registrar's Office before official registration procedures can be started. REGISTRATION REQUEST forms are in the back of this bulletin.

Personalized registration materials will be prepared from the information on this form. *In order to avoid delays in completing the registration process the REGISTRATION REQUEST notice must be filed with the Registrar's Office by June 1*

for all eight-week or eleven-week courses. Students registering for courses (usually workshops) that begin June 12 or after June 20 must file their REGISTRATION REQUEST notice at least three weeks prior to the beginning of the course. Filing of a REGISTRATION REQUEST notice in no way constitutes admission; the notice is for registration purposes only. For information about admission see pages 19 and 22 of this bulletin.

Registration will be held in McArthur Court on Monday, June 19, for all summer courses. (See Late Registration below for instructions on registering for short courses beginning after June 23.) Basically, the arena registration process allows students to register alphabetically in time-block periods. The entire registration process may be completed in McArthur Court and should take the student about an hour. The alphabetical listing below indicates the times when students will be allowed to register. Detailed registration procedures are included in the Time Schedule of Classes, which will be available about May 15 and will be mailed to all students who received a copy of this bulletin by mail.

### Registration Schedule, Monday, June 19

If your last name begins with			Your registration time is	If your last name begins with			Your registration time is
Muo	through	Pern	8:00 a.m.	Cop	through	Dunm	1:00 p.m.
Pero	through	Robert	8:30 a.m.	Dunn	through	Fz	1:30 p.m.
Roberts	through	Shaq	9:00 a.m.	Ga	through	Hand	2:00 p.m.
Shar	through	Stic	9:30 a.m.	Hane	through	How	2:30 p.m.
Stid	through	Uz	10:00 a.m.	Hox	through	Kellr	3:00 p.m.
Va	through	Wilr	10:30 a.m.	Kells	through	Leu	3:30 p.m.
Wils	through	Zz	11:00 a.m.	Lev	through	McCoy	4:00 p.m.
Aa	through	Bek	11:30 a.m.	McCr	through	Mun	4:30 p.m.
Bel	through	Burj	12:00 noon				
Burk	through	Coo	12:30 p.m.				

### Late Registration

For those who do not complete registration for eight-week or eleven-week courses on Monday, June 19, late registration will begin Tuesday, June 20. Students registering after Monday, June 19 should pick up their registration materials at the Registrar's Office. Late registration fee penalties will be charged after Wednesday, June 21. See page 32 for late-registration fee schedule.

Students registering in short courses which begin after June 23 may register on the first day of the class and will not be charged a late registration fee.

### Summer Session Tuition and Fees

Registration and other summer session fees are listed below. Fee payment may be made in the Erb Memorial Union on June 19, 20, and 21 from 8:00 a.m. to 4:00 p.m. During the remainder of the summer, the Business Office will be open for fee payment in Emerald Hall from 10:00 a.m. to 12:00 noon and from 1:00 p.m. to 5:00 p.m., Monday through Friday.

When this catalog was printed, the Oregon State Board of Higher Education had not yet established the summer session tuition and fees. The fee schedule shown is the one in effect during the 1971-72 academic year. No change in tuition and fees is anticipated for the 1972 summer session; however, the Board of Higher



*Education reserves the right to make changes in the tuition and fee schedule without notice.*

**Tuition and Fee Policies.** Regular charges paid by students enrolled in the institutions of the Oregon State Systems of Higher Education include (1) tuition, and (2) health service, incidental, and building fees.

Tuition and regular fees are paid by all students under the usual conditions of undergraduate or graduate study, and are payable in full at the time of term registration. Special fees are paid under the conditions indicated.

Payment of the stipulated tuition and fees entitles students enrolled for academic credit to services maintained by the University for the benefit of students. These services include: instruction in University courses; use of the University Library; use of laboratory and course equipment and materials in connection with courses for which the student is registered; medical attention at the Student Health Center; use of gymnasium equipment (including gymnasium suits and laundry service); a subscription to the student daily newspaper; admission to concerts and lectures sponsored by the University. *No reduction in fees is made to students who may not desire to take advantage of some of these privileges.*

### Fee Schedule

Undergraduate registration for 12 to 21 term hours (full time) .....\$167.50  
Each additional term hour over 21 (if approved) ..... 10.50

#### Part-time fees for undergraduates (resident or nonresident)

1 or 2 term hours .....	\$ 48.50	7 term hours .....	\$103.00
3 term hours .....	59.00	8 term hours .....	116.50
4 term hours .....	69.50	9 term hours .....	130.00
5 term hours .....	80.00	10 term hours .....	142.50
6 term hours .....	90.50	11 term hours .....	155.00

Graduate registration (any student holding a baccalaureate degree)  
for 9 to 16 term hours (full time) ..... 221.50

#### Part-time fees for graduates

1 or 2 term hours .....	\$ 67.50	6 term hours .....	\$153.50
3 term hours .....	87.50	7 term hours .....	176.50
4 term hours .....	107.50	8 term hours .....	199.50
5 term hours .....	130.50		

Each additional term hour over 16 ..... 20.00

Graduate fellow (summer appointment, at least .15 FTE), per term ..... 41.50

### General Deposit

All persons who enroll for academic credit (except staff members) must make a general deposit of \$10.00, payable at the time of registration. The general deposit is required for protection of the University against loss of or damage to institutional property such as dormitory and laboratory equipment, military uniforms, Library books, and locker keys, and against failure to pay promptly nominal fines and assessments, such as Library fines, campus traffic fines, and Health Center charges. If at any time charges against this deposit become excessive, the student may be called upon to re-establish the original amount.

### Refunds

**Fee Refunds.** Fee refunds may be made only to a student withdrawing from the University or reducing his course schedule to part-time status for reasons beyond the student's control. Withdrawal does not automatically result in a refund,

for which a specific written request must be made. The refund schedule has been established by the State Board of Higher Education, and is on file in the University Business Office. All refunds are subject to the following regulations:

(1) Any claim for refund must be made in writing before the close of the term following the term of withdrawal.

(2) Refunds in all cases are calculated from the date the student officially withdraws from the University, not from the date when the student ceased attending classes, except in unusual cases when formal withdrawal has been delayed through causes largely beyond the control of the student.

(3) No refunds will be made for any amount less than \$1.00.

(4) Refunds of incidental fees are subject to return of Certificate of Registration.

**General Deposit Refund.** The \$10.00 general deposit, less any deductions which may have been made, is refundable not earlier than the sixth week after the close of the term.

## Special Fees

The following special fees are paid by University students under the conditions indicated:

Staff Fee.....per term hour, \$3.00

With the approval of the Budget Office (Johnson Hall) for academic staff and the Personnel Office (Emerald Hall) for civil service staff, staff members enrolled in University courses pay a special staff fee of \$3.00 per term hour. Full-time staff members (academic or civil service) may enroll under this fee for a limited amount of work for credit, generally for not more than 3 term hours of work in any term; staff members employed half-time or more, but less than full-time, may enroll under this fee for a maximum of 10 term hours of work.

Auditor's Fee.....Same as regular student

An auditor is a person who has obtained permission to attend classes without receiving academic credit; such a person is not considered an enrolled student.

Late-Registration Fee.....minimum, \$5.00

A full-time or part-time student who registers after June 21 pays a late-registration fee of \$5.00 for the first late day plus \$1.00 for each late day thereafter.

Change-of-Program Fee.....\$1.00

A student may be required to pay this fee for each change in his official program.

Reinstatement Fee.....\$2.00

If for any reason a student has his registration canceled during a term for failure to comply with the regulations of the institution, but is later allowed to continue his work, he must pay the reinstatement fee.

Special Examination Fee.....per term hour, \$5.00

A student pays a fee of \$5.00 per term hour for the privilege of taking an examination for advanced credit, or other special examinations.

Graduate Qualifying Examination Fee.....\$1.00 to \$15.00

Paid by students taking the Graduate Record Examination or other standard tests of ability to do graduate work.

Transcript Fee.....\$2.00

For a transcript of his University academic record, a student pays a fee of \$2.00 for the first copy and \$1.00 each for additional copies furnished at the same time. The University reserves the right to withhold transcripts for persons who have financial obligations to the institution that have not been met.

Check Irregularity Penalty.....\$5.00

Penalty assessed when a check in payment for institutional charges is returned because of irregularity for which the student is responsible (NSF, illegible signature, etc.)

# PROBLEMS



## Living Accommodations

All students may select their own living accommodations.

**Dormitories.** The University dormitories open at 9:00 a.m. on Sunday, June 18. Upon arrival students should go to the Housing Office in Carson Hall, Thirteenth Avenue and Emerald Street, to obtain assignments. No deposit, advance payment, or reservation is required for regular summer-session dormitory accommodations. Both single and double rooms are available, and since dormitory room assignments are made as students arrive, friends may room together if they are in the same class and register for their rooms at the same time. Although advance registration is not required, the student who wishes to live in a particular dormitory unit should write to the Housing Office. Every effort will be made to honor the student's request.

*Terms and Conditions of Occupancy.* Students must sign a contract (terms and conditions of occupancy) which explains rights, privileges, responsibilities, and obligations while the student is a resident of the dormitories. These terms are based on consideration for other residents, health and safety standards, and compliance with established laws and the University Student Conduct Code. Students who do not comply with the terms and conditions of occupancy may be subject to eviction from the dormitories. Housing will be granted only to those students who agree to room and board throughout their length of stay. (In the event of withdrawal from the University, or approved withdrawal from the dormitory, unused room and board payments will be refunded providing the withdrawal does not occur within the last 10 days of a length of stay. There is no refund if space is vacated during the last 10 days of a length of stay.) Students may choose seven-day-week board or five-day-week board (the five-day-week board includes Monday breakfast through Friday lunch; students choosing five-day board may purchase weekend meals on a per meal basis). Any students leaving the University during their designated length of stay will be released from their contract.

*Dormitory Facilities.* Exclusive of personal items students may need, all of the following are furnished:

- (1) Food service: 20 meals each seven-day week; no meals are served Sunday evenings. Food service begins with breakfast on Monday, June 19.
- (2) Bed linens (two sheets a week), pillow and case, mattress pad and cover, one blanket.
- (3) Draperies, desk, lamp, study chair, mirror, wastebasket, water glass.
- (4) Recreation: Color television sets, ping pong tables, vending machines, basketball standards, and tennis courts.
- (5) Coin operated washers, dryers (free of charge), ironing boards.
- (6) Locked storage space for luggage, trunks, etc.
- (7) Telephone: Floor phones are provided. Residents may order a private telephone for an additional charge.

*Charges.* Room and board charges are payable in advance at the opening of the summer session. Students attending eight-week or eleven-week sessions may, however, elect to pay in two installments each of one-half the total charge. The first installment is due June 19, payable not later than June 28. The second installment is due July 17, payable not later than July 26. A penalty charge of \$1.00 per day up to a maximum of \$5.00 is made if the first installment is not paid by June 28, or if

the second installment is not paid by July 26. Dormitory residents enrolled for short courses are charged upon arrival for the number of weeks they will be staying.

Board and room charges are payable at the University Cashier's Office, Emerald Hall, open Monday through Friday, from 10:00 a.m. to 12:00 noon, and from 1:00 p.m. to 4:00 p.m.

*Dormitory Rates.* The tentative rates for room and board in the University dormitories during the summer session are as follows:

Length of Session	Board			Room*	
	Five-Day Week	Seven-Day Week	Multiple	Single	
Eleven Week .....	\$182.00	\$216.00	\$114.00	\$171.00	
Ten Weeks .....	165.00	196.00	108.00	162.00	
Nine Weeks .....	149.00	178.00	100.00	150.00	
Eight Weeks .....	132.00	158.00	92.00	138.00	
Seven Weeks .....	116.00	138.00	84.00	126.00	
Six Weeks .....	99.00	118.00	76.00	114.00	
Five Weeks .....	83.00	98.00	64.00	96.00	
Four Weeks .....	76.00	84.00	60.00	90.00	
Three Weeks .....	57.00	63.00	48.00	72.00	
Two Weeks .....	38.00	42.00	32.00	48.00	
One Week .....	19.00	21.00	16.00	24.00	
Daily .....	4.50	4.50	3.50	5.00	

\* A city room tax of 3 per cent is assessed for a stay of less than 30 days.

**Off-Campus Housing.** Because of budgetary limitations, the University does not maintain a list of off-campus rentals.

The *Eugene Register-Guard* may be consulted for available community rentals.

**Housing for Married Students.** The University operates housing units for married students, some of which are available for the summer session. Married students interested in these quarters should write as soon as possible to the Director of University Housing, Carson Hall.

Dormitory facilities are available for married couples without children at the regular double-room rate for each person. Married couples, to be certain of accommodations, must make advance reservations with the Director of Housing, Carson Hall. Individual applications must be submitted by husband and wife.

**Summer Workshops and Conferences.** Organizers and sponsors of summer session workshops or conferences may contact Mr. Charles Harris, the Housing Department Conference Coordinator, at extension 4279, to be assured of housing and food service accommodations for the participants. Past workshops and conferences have found that having the participants live together as a group contributed to the success of the workshop or conference. Limited dormitory facilities are available for housing groups together.



# Services and Facilities

**The University Library.** The services of the University of Oregon Library are organized in broad subject divisions: Social Science, Science, Humanities, and General Reference. Each of the divisions has its own reading areas, conveniently integrated with its book collections. All University students have access to the book stacks.

The services of the subject divisions are supplemented by the Audiovisual Media Center which provides facilities for the production, preservation, and use of recordings, slides, films, and similar materials, and by the Special Collections Division which is responsible for the development and care of collections of Pacific Northwest historical materials, rare books, manuscripts, and University archives.

The Library's facilities for undergraduate work are excellent, and strong collections for advanced study and research are being built in the various fields of liberal and professional scholarship. All of the books in the libraries of the institutions of the Oregon State System of Higher Education are available to the students and faculty of the University.

Books other than reference books and those especially reserved for use in the Library may be borrowed for a period of two weeks, with the privilege of renewal if there is no other demand. Library privileges are extended to all University students and staff members, and may be granted to other persons upon application.

Library hours will be announced just prior to the summer session.

**Museum of Art.** The primary purpose of the Museum of Art is to promote among students and staff of the University of Oregon and the general public an active interest in the visual arts, both past and present. Erected in 1930, the Museum of Art, and the garden court adjoining it are dedicated to the memory of Prince Lucien Campbell, fourth President of the University.

Outstanding collections at the Museum of Art include the Murray Warner Collection of Oriental Art. This collection includes more than 3,000 accessioned objects, representing principally the cultures of China and Japan (but also including some works of art from Cambodia, Korea, Mongolia, and Russia), and was given to the University in 1921 by Mrs. Gertrude Bass Warner as a memorial to her husband, Major Murray Warner. The Museum also houses an extensive and expanding collection of more than 900 works by contemporary Northwest artists, including 501 works by the renowned Northwest painter Morris Graves. These works are both finished and archival in nature. Other collections include contemporary American works as well as Oriental works, both contemporary and ancient. Featured at the Museum are two new galleries, one devoted to the sculpture of India, and the other to contemporary Northwest art.

The Museum operates an active statewide-services program of exhibitions and workshops, as well as the Rental-Sales Gallery and the Museum Shop. The first-floor galleries are devoted primarily to changing exhibitions of national and international scope. All of these activities are financed primarily by the Friends of the Museum, membership in which is open to the public, with dues ranging from \$3.00 (student) to \$250.00 annually. Museum hours: 12 noon-5 p.m. Tuesday through Sunday. Closed to the public Mondays. Admission free.

**Museum of Natural History.** The Museum of Natural History is primarily a research department devoted to studies of the history of the earth, plants, animals, and man as found in Oregon. The knowledge gained in these studies is made available to the public through displays, publication, a public-school loan program, a museum information service, and loans to other institutions. As a repository, the Museum of Natural History maintains large collections of fossils, plants, animals, rocks, and the objects used by aboriginal man.

In addition to storage and display areas, the Museum of Natural History has a preparation laboratory and shop, an archaeology laboratory, paleoecology labo-

ratories including facilities for the study of sedimentation and pollen, and drafting, illustration, and darkroom areas, for staff and graduate-student research.

**Student Health Center.** The purposes of the Student Health Center are to assure students of the University of Oregon a healthy environment in which to live and work, to safeguard the general health of the students, and to teach them the value of preventive and curative medicine through health education and individual, informal, health counseling.

The student health services in the institutions in the Oregon State System of Higher Education are supported by student registration fees. Every student registered for credit during Summer Session is entitled to all the services offered by the Student Health Center. Physical examinations and immunizations are not required of summer students. Summer Session students enrolling in fall term should consult the general bulletin for immunization and physical examination requirements. Health Center hours are 8:00 a.m. to 4:30 p.m., Monday through Friday and 8:00 a.m. to 11:30 a.m. on Saturdays. Visits are by appointment, except for emergencies.

**The Union.** The Erb Memorial Union is a building dedicated to making the extracurricular activity of students an integral part of their education. A staff of program advisers is available to assist individuals and groups in planning programs. The Union provides group meeting rooms, a lounge, soda bar, cafeteria, and dining room, an art gallery, a large ballroom, and a Browsing Room, a branch of the University Library. Student activity offices are on the third floor. For recreation there is a "listening room" for classical music, a room for jazz, a piano practice room, a "combo" practice room, a sixteen-lane bowling alley, pool and billiard tables, and table tennis and shuffleboard facilities. Also housed in the building are a branch of the United States Post Office, an outdoor supply shop, a concessions stand, an information center, and a lost-and-found office.

**Student Personnel-Services Division.** Under the general direction of the dean of Student Personnel Services, assistance and counseling with students is provided in all aspects of student life at the University—status with the selective service, academic probation and reinstatement, personal difficulties, financial needs, education abroad, and others. The dean is assisted by staff members who deal with problems of undergraduate students, graduate students, international students, student conduct, and career planning and placement. The University Counseling Center is also under the general direction of the dean of Student Personnel Services.

Students are encouraged to call on the dean or his staff for advice and help.

**Office of Academic Advising.** The main responsibility of the Office of Academic Advising is to provide academic advising for students who have not chosen a major field. When a previously uncommitted student selects a major field, he is referred to his department or school for advising.

This office also serves as a coordinating center for the advising program and as a clearing house for information on academic requirements and regulations. Students can direct inquiries on these matters to the Office of Academic Advising.

**Counseling Center.** The University Counseling Center provides facilities for testing and counseling University students. Counseling is available for career decision-making, academic planning, premarriage and marriage counseling, and for other personal concerns. The center offers group as well as individual counseling. In addition, human relations and encounter groups are available. Counseling services are available without fee. A fee of \$7.50 is charged for educational and vocational testing, or for the services of the Reading and Study Skills Center.

The *Reading and Study Skills Center*, operating in conjunction with the Counseling Center, provides an opportunity for scientific diagnosis and correction of student reading difficulties. Primary emphasis during the summer is on improvement of reading rate and comprehension (speed reading). Classes meet four hours a week for six weeks. The program is noncredit and nongraded.



**Financial Aid.** The University of Oregon has scholarships, loans, and part-time work available through the College Work-Study Program, although on a relatively restricted basis, during the summer session. The largest amount of this aid accrues to continuing students rather than to those attending only the summer session. Persons planning to attend the summer session and who are in need of financial assistance are advised to contact the Office of Financial Aid in Emerald Hall either in person or by mail to permit an early determination of their eligibility for the various types of financial aid available.

**International Student Adviser.** The staff of this office advises students from abroad who are attending the University, to assist them with personal problems and with adjustments to the customs and procedures of American educational systems. The international student adviser is prepared to give advice and help in connection with visas, government regulations, scholarships, employment, and general orientation to American life. He is also prepared to advise American students planning study abroad.

**University Placement Service.** The University maintains a centralized Placement Service to assist graduating students and alumni seeking new or better positions. The Placement Service serves students in all schools and departments in the University, including those trained in business and technical fields, education, and the liberal arts.

Students who are enrolled for or have completed 12 hours of matriculated work at the University are eligible to register for career placement services. Limited placement services are granted without charge to students during their senior year at the University and to seniors who go on to graduate school. Alumni and graduate students from other institutions must pay a yearly registration fee.

The Placement Service is located on the second floor of Susan Campbell Hall.

**Student Employment.** The Student Employment Office, in cooperation with the State of Oregon Employment Division, assists University of Oregon students in finding part-time or temporary work while attending school and assists wives or other dependents of students in finding full-time or part-time work. There is no fee charged for this service. The office is located in the basement of Susan Campbell Hall.

**Selective Service System.** Selective Service regulations current at the time of this printing require that undergraduate students be enrolled for at least 12 term hours of credit in order to be certified as full-time. In addition, undergraduates are expected to maintain "normal progress" toward a degree, which usually means progressing to the next highest class standing at the beginning of each academic year. Graduate students should be enrolled for at least 9 term hours of credit.

If you wish to have your local board informed that you are registered at the University in the summer, see the veterans' selective service clerk in the Registrar's Office.

**Veterans' Benefits.** Information about the G.I. Bill, Oregon State Veterans' Aid and War Orphans' Education Assistance is available at the Registrar's Office. Those who wish to receive benefits for summer attendance should see the veterans' clerk promptly to process the necessary papers and to obtain information about Veterans' Administration rules which affect summer benefits. Veterans registered spring term do not automatically receive benefits for summer session unless they register with the veterans' clerk.

**Parking Regulations.** Students, full or part-time, who use University-owned parking lots must purchase and display the proper parking permit. The permit may be purchased during academic registration in the student registration lines or any time in the Office of Campus Security located in Alpha Straub Hall. Hours are from 8:00 a.m. to 5:00 p.m. Monday through Friday. Student parking permits are \$6 during the summer session.



# Instruction

## Eight-Week and Eleven-Week Sessions

*Eight-week-session courses* begin Tuesday, June 20, and conclude Friday, August 11. Courses whose calendar period is not indicated are eight-week-session courses.

*Eleven-week-session courses* begin Tuesday, June 20, and conclude Friday, September 1.

*Short Courses.* Courses of less than eight weeks are indicated by calendar date.

## Course Numbering System

100-299 Lower-division courses ; freshman-sophomore level.

300-499 Upper-division courses ; junior-senior level.

500-599 Graduate courses ; all courses numbered in the 500s carry graduate credit, as do those in the 400s which have been approved by the Graduate Council. Approved courses in the 400s are designated in this catalog by (G) or (g) following the course title. Courses designated (G) may form a part of either a major or a minor ; courses designated (g) may be taken toward a minor or as graduate service courses, or, in certain circumstances, as part of an interdisciplinary master's program. Undergraduate enrollment in 400 courses designated (G) is generally restricted to seniors ; undergraduate enrollment in 400 courses designated (g) is generally restricted to juniors and seniors.

Courses numbered in the 500s and designated (p) represent instruction offered at a level of intellectual maturity suitable for graduate students who have earned a bachelor's degree in a field other than their professional field. Such courses carry credit toward a master's degree, but this credit may not be counted toward the minimum requirement of 30 term hours in the major.

## Credit Hours

Credit hours are listed as "hours" in this bulletin ; they are indicated immediately after the course title. The number of lecture, recitation, laboratory, or other periods required per week for courses may be found in the Summer Session Time Schedule of Classes, available about May 15.

# College of Liberal Arts

## Honors College

Associate Professors : DILLER, ROSS.

Assistant Professor : FROHNMAYER.

### HC 404. Colloquium: The Trial as a Social Sacrament. 9 hours.

A study of legal issues and social justice in great works of literature. Discussions of certain legal processes using literary and legal writings. Social and moral transgressions, conflicting legal and moral codes, ideals of justice and questions of communal necessity as formulated and explored in great works of literature such as Plato's *Apology*, Sophocles' *Antigone*, Camus' *The Stranger*, Kafka's *The Trial*, Dostoyevski's *Crime and Punishment*, etc. The function of court trials as public rituals, ideological platforms, and social sacraments in such works will be identified and examined. Discussion leaders in both law and literature participate. Guest speakers. Diller, Ross, Frohnmayer.

## Anthropology

Professor : DUMOND.

Associate Professors : SIMONDS, YOUNG.

Assistant Professor : SCHMIDT.

Instructors : L. WOLFE, K. WOLFE.

### Anth 101, 102, 103. General Anthropology. 3 hours each term.

Three-term sequence. Meets two hours each day, M, Tu, W, Th. Schmidt, K. Wolfe, Young.

Anth 102. *General Anthropology*. 3 hours.

First four weeks. Prehistoric cultures. June 20-July 14. Schmidt.

Anth 101. *General Anthropology*. 3 hours.

Second four weeks. Man as a living organism ; biological evolution ; fossil man. July 17-August 11. K. Wolfe.

Anth 103. *General Anthropology (Third Term)*. 3 hours.

Three weeks. Organization and functioning of culture. August 14-September 1. Young.

### Anth 321. Palaeoanthropology. 3 hours.

First four weeks, June 20-July 14. Fossil evidence of human evolution ; man's place among the primates ; variability of populations of fossil hominids. Prerequisite : 9 term hours in anthropology or consent of instructor. Meets two hours each day, M, Tu, W, Th. Wolfe.

### Anth 407. Seminar: Modern Latin America. (g) 3 hours.

Second four weeks, July 17-August 11. Introduction to the anthropological literature on Latin America. Delineation of cultural entities in Latin America, the broad outlines of social and economic organization, views of the world, race and ethnic group relations ; case examples illustrating subcultural and national variation. Problems of the rural (as opposed to urban) population of Latin America ; the phenomenon of migration to the city. Prerequisite : 9 hours in social science or consent of instructor. Reading knowledge of

Spanish and/or Portuguese desirable but not required. Meets two hours each day, M, Tu, W, Th. Young.

Anth 408. **Field Work in Anthropology.** (G) 6-12 hours.

Introduction to archaeological field techniques by excavation of local sites; lectures and laboratory in techniques. Meets eight hours daily. Dumond.

Anth 414. **Race and Culture.** (G) 3 hours.

August 14-September 1. Racial classifications and comparisons; the biological base of culture; attitudes toward race in human relations. Prerequisite: 9 hours in anthropology or consent of instructor. Meets two hours each day, M, Tu, W, Th. Simonds.

Anth 501. **Research.** Hours to be arranged.

Anth 503. **Thesis.** Hours to be arranged.

Anth 505. **Reading and Conference.** Hours to be arranged.

## Arts and Letters

Assistant Professor: SHUCARD.

SL 405. **Reading and Conference.** Hours to be arranged.

AL 407. **Seminar: Problems of Translation.** (g) 9 hours.

Readings and discussions of foreign (chiefly classical Greek and Latin) texts in English translation, along with guest lectures by modern language faculty. Study of general principles and problems of translation and consideration of special difficulties posed by individual languages and authors. A reading knowledge of at least one foreign language (classical or modern) is strongly recommended.

AL 407. **Seminar: The Trial as a Social Sacrament.** (g) 9 hours.

A study of legal issues and social justice in great works of literature. Discussions of certain legal processes using literary and legal writings. Social and moral transgressions, conflicting legal and moral codes, ideals of justice and questions of communal necessity as formulated and explored in great works of literature such as Plato's *Apology*, Sophocles' *Antigone*, Camus' *The Stranger*, Kafka's *The Trial*, Dostoyevski's *Crime and Punishment*, etc. The function of court trials as public rituals, ideological platforms, and social sacraments in such works identified and examined. Discussion leaders in both law and literature participate. Guest speakers. Diller, Ross, Frohnmayer.

AL 426. **Gogol.** (G) 3 hours.

Comprehensive study of Gogol's works; critical analysis of *Evenings on a Farm near Dikanka*, *Mirgorod*, Petersburg tales, *The Inspector General* and other plays, *Dead Souls*. Readings in English; Russian majors do selected readings in the original. Meets one hour each day, M, Tu, W, Th. Beebe.

SL 503. **Thesis.** Hours to be arranged. No-grade course.

SL 505. **Reading and Conference.** Hours to be arranged.

## Biology

Visiting Faculty: FRANCIS, POLICANSKY, WHITE.

Professors: CLANCY, KEZER, SCHEER.

Instructors: MURPHY, WISNER.

Bi 101, 102, 103. **General Biology.** 4 hours each term.

A three-term sequence. Fundamental principles of life science illustrated by studies of structure, function and evolution in animals and plants. Students who have taken one or two terms previously should consult the instructor. Lecture two hours daily; laboratory three hours each day, Tu, W, Th. Policansky.

Bi 101. *General Biology (First Term).* 4 hours.

First four weeks, June 20-July 14.

Bi 102. *General Biology (Second Term).* 4 hours.

Second four weeks, July 17-August 11.

Bi 103. *General Biology (Third Term).* 4 hours.

Three weeks, August 14-September 1.

Bi 111. **Introduction to Biology.** 4 hours.

An introductory course dealing with basic concepts for students with no biology background. Two hours each day, days to be arranged. Francis.

Bi 376. **Natural History of Oregon.** 4 hours.

Plants and animals of Oregon; their identification and study of factors relating to their occurrence, distribution and abundance. Intended primarily for prospective elementary-school teachers planning to teach in Oregon. Lectures, laboratory and field trips. Two hours each day, Tu, W, Th; field trips will be scheduled on four Saturdays. Dates to be arranged. Murphy.

Bi 401. **Research.** Hours to be arranged. Staff.

Bi 403. **Thesis.** Hours to be arranged. Staff.

Bi 405. **Reading and Conference.** Hours to be arranged. Staff.

Bi 407. **Seminar.** Hours to be arranged. Staff.

Bi 408. **Laboratory Projects.** (G) Hours to be arranged. Staff.

Bi 408. **Laboratory Projects: COSIP Workshop.** (G) Hours to be arranged.

Bi 423. **Genetics.** (G) 4 hours.

An introduction to the fundamental principles of genetics with integrated laboratory exercises. Prerequisite: Ch 104, 105, 106, and Mth 105. Lecture one hour each day, M, W, F; laboratory three hours each day, M, W, F. Clancy.

Bi 429. **Cytology.** (G) 4 hours.

Microscopic and submicroscopic structures of the nucleus and cytoplasm, and its relation to cell function; structure and behavior of chromosomes and other nuclear components. Methods of study and experimental procedures. Lecture one hour each day, M, W, F; laboratory three hours each day, M, W, F. Kezer.

Bi 459. **Ornithology.** (G) 4 hours.

Natural history and identification of birds involving field work and supporting laboratory activities. Study will include aspects of structural adaptation, behavior, distribution, migration and ecology. Consideration of the relationship of human activities to breeding success of birds; birds as possible indicators of environmental conditions. Of special value to teachers. Prerequisite: consent of instructor. Meets three hours each day, Tu, Th (early morning). Field trips on four weekends. Dates and hours to be arranged. Wisner.

Bi 471. **Principles of Ecology.** (G) 4 hours.

Examination of the relationships between organisms and their environment. Includes the study of the distribution and abundance of organisms; examples from Oregon plants and animals; field work. Prerequisite: general biology or equivalent, general chemistry, and college algebra. Lectures two hours each day, days to be arranged. Field work on four or five Saturdays. Dates and hours to be arranged. White.

Bi 494. **Laboratory and Field Methods in Biology.** (G) 4 hours.

Designed primarily for biology teachers. Emphasis on sharpening the abilities of teachers to direct laboratory and field studies toward generating questions and answers concerning the functional relationships to be found in biological systems. Collection, culture, and utilization of field material in experimental

and descriptive work in the biology teaching laboratory. Field trips taken to explore the various kinds of habitats found in the Northwest. Students learn to design and create their own teaching tools, using photographs, television, and other media. Meets three hours Th afternoon, five hours F morning. Field trips on Saturdays. Dates and hours to be arranged. Gass.

Bi 501. **Research.** Hours to be arranged.

Bi 502. **Supervised College Teaching.** 1-6 hours.

Practical experience in planning and teaching college biology (laboratories and discussion).

Bi 503. **Thesis.** Hours to be arranged.

Bi 505. **Reading and Conference.** Hours to be arranged.

Bi 507. **Seminar.** Hours to be arranged.

Bi 590. **Recent Advances in Biology.** 3 hours.

Survey of recent advances in the rapidly moving areas of biology. Course intended primarily for COSIP Workshop participants, but interested students may enroll by obtaining consent of instructor. Lecture meets two hours each day, Tu, Th. Scheer.

## Oregon Institute of Marine Biology

Professor : MORRIS.

Associate Professors : McCONNAUGHEY, RUDY.

Assistant Professors : HARTMAN, TERWILLIGER, WILLARD.

The following courses will be offered June 19-August 11 at the Oregon Institute of Marine Biology, Charleston, Oregon. A detailed description of these courses is published in a special announcement available on request to the Director, Oregon Institute of Marine Biology, Charleston, Oregon 97420.

An application, available with the announcement, must be submitted as soon as possible in order to enroll at this institute.

Bi 401, Bi 501. **Research.** Hours to be arranged.

Bi 403, Bi 503. **Thesis.** Hours to be arranged.

Bi 406. **Environmental Projects.** (G) 4 hours.

A group research project which focuses on local environmental problems. Work will center on pollution sources, water quality, and its biological implications. Field class without formal lectures. Prerequisite: inorganic chemistry, general biology, or consent of instructor. Rudy.

Bi 407, Bi 507. **Seminar in Marine Biology.** 2 hours.

Bi 408. **Laboratory Projects.** Hours to be arranged.

Bi 413. **Comparative Physiology.** (G) 8 hours.

Lectures, demonstrations, and laboratory experiments with emphasis on respiration, osmoregulation and excretion, nerve and muscle physiology of major animal groups. Prerequisite: cell or general physiology, organic chemistry, college zoology, or consent of instructor. Hartman, Terwilliger, guest lecturers.

Bi 458. **Marine Birds and Mammals.** (G) 4 hours.

An introduction to some general principles of ecology, ethology, and systematics as demonstrated through study of birds and mammals of the coast. Intensive study of the comparative faunas from the open sea to the inland dry communities. Prerequisite: introductory biology. Willard.



**Bi 461. Invertebrate Zoology.** (G) 8 hours.

Survey of representative invertebrate groups, with emphasis on marine forms, morphology systematics, life history, and ecology. McConnaughey.

**Bi 551. Biology of Fishes.** (G) 8 hours.

Anatomy, development, and systematics of fishes found in the Coos Bay region. Morris.

## Chemistry

**Ch 324. Quantitative Analysis.** 5 hours.

Laboratory work devoted mainly to volumetric analysis. Satisfies the requirements in quantitative analysis for admission to medical or dental schools. One hour each day, M, Tu, W, Th; laboratory, three hours each day, M, Tu, Th.

**Ch 331, 332. Organic Chemistry.** 3 hours each term.

Two-term sequence. A study of the compounds of carbon, their structure, reactions, and applications. Designed primarily for paramedical students. Prerequisite: Ch 106 or Ch 206 with a grade of C or better. One hour daily.

**Ch 331. Organic Chemistry (First Term).** 3 hours.

Five and one-half weeks, June 20-July 26.

**Ch 332. Organic Chemistry (Second Term).** 3 hours.

Five and one-half weeks, July 27-September 1.

**Ch 337, 338. Introductory Organic Laboratory.** 2 hours each term.

Two-term sequence. The principles and techniques of laboratory practice in organic chemistry. Prerequisite: Ch 109 or Ch 209 with a grade of C or better. Three hours each day, W, F.

**Ch. 337. Introductory Organic Laboratory (First Term).** 2 hours.

Five and one-half weeks, June 20-July 26.

**Ch 338. Introductory Organic Laboratory (Second Term).** 2 hours.

Five and one-half weeks, July 27-September 1.

**Ch 401, Ch 501. Research.** Hours to be arranged.**Ch 403, Ch 503. Thesis.** Hours to be arranged.**Ch 405, Ch 505. Reading and Conference.** Hours to be arranged.**Ch 409. Special Laboratory Problems.** (G) Hours to be arranged.

Students wishing laboratory instruction not classifiable as research or thesis may enroll under this number.

**Ch 429. Survey of Analytical Chemistry.** (g) 5 hours.

Lectures on the fundamentals of quantitative analysis; laboratory work devoted mainly to volumetric analysis. Intended to satisfy the needs of secondary teachers and others not majoring in chemistry. One hour each day, M, Tu, W, Th; laboratory, three hours each day, M, Tu, Th.

## Classics

Assistant Professor: SHUCARD.

Fellow: ROOD.

**CL 60, 61, 62. First-Year Latin.** 4 hours first two terms; 3 hours third term.

Fundamentals of Latin and reading of selections from Caesar. Meets two hours daily. Shucard, Rood.

**CL 60. First-Year Latin (First Term).** 4 hours.

First four weeks, June 20-July 14.

- CL 61. *First-Year Latin (Second Term)*. 4 hours.  
Second four weeks, July 17-August 11.
- CL 62. *First-Year Latin (Third Term)*. 3 hours.  
Three weeks, August 14-September 1.
- AL 407. **Problems of Translation**. 3 hours.  
For description, see ARTS AND LETTERS.
- CL 503. **Thesis**. Hours to be arranged.
- CL 505. **Reading and Conference**. Hours to be arranged.
- CL 507. **Greek Seminar**. Hours to be arranged.

## Computer Science

Visiting Faculty : NEILL.

Associate Professor : D. MOURSUND.

Assistant Professors : KLOPFENSTEIN, MOULTON, OLSON.

Instructors : ASHBY, BEISSE, HEILMAN, SALVETER, WOLFE.

The Computer Science Department offers bachelor's and master's degrees in computer science. It also offers a master's degree in computer science education especially suitable for secondary-school mathematics and science teachers. Summer session courses are offered at all levels, with special emphasis on courses of interest to nonmajors and teachers.

Several computer science courses are offered in a summer institute for teachers supported by the National Science Foundation. A limited number of teachers who are not participants in the summer institute will be allowed to enroll in these courses.

The University of Oregon has an IBM 360/50 computer for batch processing and a PDP-10 computer with a number of remote terminals for time shared computing. It also has a number of mini computers such as the Varian 620-i. Many different programming languages are available and are covered in the various summer session courses listed below.

- CS 221. **Concepts of Computing**. 2 hours.  
An introduction to the capabilities and limitations of computers, including a survey of current applications. Not a computer programming course. Meets one hour each day, M, Tu, Th.
- CS 233. **Introduction to Numerical Computation**. 4 hours.  
An introduction to FORTRAN programming and fundamental principles of problem analysis and solution via digital computer. Prerequisite: Mth 104 or equivalent. Meets one hour daily.
- CS 331. **Business Data Processing**. 4 hours.  
An introduction to COBOL programming and the fundamental principles of business data processing. Prerequisite: CS 233 or a knowledge of one programming language such as BASIC or FORTRAN. Meets one hour daily.
- CS 405. **Reading and Conference**. (g) Hours to be arranged.
- CS 407. **Seminar: Computing Concepts**. (g) 2 hours.  
An introduction to BASIC programming and the use of application packages for students concurrently enrolled in CS 221. Of particular interest to teachers. Meets two hours each week, days to be arranged.
- CS 407. **Seminar: Computing in the Social Sciences**. (g) 4 hours.  
A service course in programming techniques of data file manipulation and statistical analysis with emphasis on problem areas encountered in the social sciences. Prerequisite: CS 233 or equivalent. Meets one hour daily. Beisse.

**CS 407. Seminar: System Programming.** (g) 4 hours.

An elementary introduction to basic systems areas such as I/O support, utilities, control languages, supervisory systems, core management, interrupt processing, and queue management. Prerequisite: CS 421, CS 424, or equivalent. Meets one hour daily. Ashby.

**CS 407. Seminar: Computer Simulation.** (g) 4 hours.

Introduction to the use of simulation models of discrete probabilistic processes. Introduction to a programming language used in simulation, such as SIMSCRIPT. Prerequisite: CS 233 and one term of elementary statistics, or equivalent. Meets one hour daily.

**CS 407. Seminar: Use of Small Computers in the Laboratory.** (g) 3 hours.

An introduction to the use of computers for experimental control, for scientists with no previous experience in the field. Experiments in nuclear magnetic resonance, electron spin resonance, and gas chromatography. The Varian 620-i computer will be used extensively. Prerequisite: consent of instructor. Meets one hour each day, M, W, F. Klopfenstein.

**CS 410. PL/I Business Data Processing.** (g) 4 hours.

An introduction to the programming language PL/I with special emphasis upon features and techniques applicable to business data processing. Prerequisite: CS 331 or equivalent, or concurrent enrollment in CS 331. Meets one hour daily.

**CS 421. FORTRAN in an Operating Environment.** (g) 4 hours.

Advanced programming techniques and the capabilities and limitations of FORTRAN IV in an IBM 360 operating environment. Prerequisite: CS 233 or equivalent. Meets one hour daily.

**CS 424. Assembly Language Programming.** (g) 4 hours.

An introduction to assembly language programming, with primary emphasis upon IBM 360 assembly language. Prerequisite: CS 421 or equivalent (concurrent enrollment is allowed). Meets one hour daily.

**CS 507. Seminar.** Hours to be arranged.**CS 507. Seminar: Computer Simulation.** 4 hours.

Covers the same material as the Seminar: Computer Simulation, (CS 407). Involves a more extensive programming project. Prerequisite: one year of statistics and one year of computer science. Meets one hour daily.

**CS 507. Seminar: Computer Logic Design.** 4 hours.

A one-term course in the logical design and organization of digital computers covering basic digital circuits, elements of switching algebra and network analysis and synthesis, the design of functional computer elements, and the description and simulation of organizations of these computer elements. Prerequisite: CS 421, CS 424, or consent of instructor. Meets one hour daily.

## Computer Science Institute

The University of Oregon has a grant from the National Science Foundation to conduct a summer institute in computer science and a summer institute in mathematics. The mathematics institute is discussed in the MATHEMATICS section of this bulletin. Courses in these institutes are especially designed for in-service teachers. A limited number of teachers who are not institute participants will be allowed to enroll in the computer science courses listed below. They must have the approval of David Moursund, the institute director.

**CS 407. Seminar: Elementary Numerical Analysis.** (g) 5 hours.

An introduction to the use of digital computers in mathematical problem solving. Solution of polynomial and other nonlinear equations, solution of linear equations, linear programming, interpolation, and numerical integration. Major emphasis on developing programs in BASIC to solve problems

arising at various levels in secondary-school mathematics. Prerequisite: a working knowledge of secondary-school mathematics, and a knowledge of BASIC or concurrent enrollment in CS 412. Meets one hour daily. Moursund.

**CS 412. Scientific Computation.** (g) 5 hours.

A comprehensive introduction to the programming languages BASIC and FORTRAN and to the fundamental principles of problem analysis and solution via digital computer. Applications to secondary-school curricula will be discussed. Prerequisite: a knowledge of second-year high-school algebra. Meets one hour daily.

**Mth 429. Numerical Analysis.** (g) 5 hours.

An introduction to mathematical problem solving, using computers, for teachers with a working knowledge of elementary calculus. Solution to polynomial and other functional equations, linear and nonlinear systems of equations, Taylor's series approximations, interpolation theory, numerical differentiation, and numerical integration. Time-shared BASIC will be used extensively. Prerequisite: a working knowledge of elementary calculus, CS 412 or equivalent (concurrent enrollment is allowed). Meets one hour daily. Wolfe.

**CS 507. Seminar: Advanced Programming.** 5 hours.

A course in computer programming and other topics in computer science for teachers with a working knowledge of one programming language. Emphasis will be placed on the languages BASIC and FORTRAN, and the rudiments of assembly language; extensive study of underlying theory. Prerequisite: a working knowledge of one programming language. Meets one hour daily.

**CS 507. Seminar: Instructional Use of Computers.** 2 hours.

Lecture and discussion sessions on the instructional uses of computers; designed to help teachers use computers in their classrooms, and to learn how to teach computer programming. Prerequisite: CS 412 or equivalent (concurrent enrollment is allowed). Meets one hour each day, M, W, F. Moursund.

## Economics

Visiting Faculty: CIPOLLA.

Professor: CAMPBELL.

Associate Professors: GOLDSTEIN, WHITELAW.

Assistant Professor: WIENS.

**Ec 199. Special Studies in Economics.** 1 hour.

To be taken in conjunction with Ec 376 or Ec 415. For students who desire additional technical or mathematical background. Meeting hours to be arranged.

**Ec 201. Introduction to Economic Analysis.** 3 hours.

A systematic introduction to the tools of economic analysis for students without previous work in economics. Meets one hour each day, M, Tu, W, Th. Goldstein.

**Ec 202. Special Topics in Economics: The Unemployment-Inflation Dilemma.** 3 hours.

Application of economic analysis to the problem of maintaining a stable price level and full employment. Prerequisite: Ec 201. Meets one hour each day, M, Tu, W, Th.

**Ec 203. Special Topics in Economics: Economics and the Quality of the Environment.** 3 hours.

Application of simple economic analysis to the problem of controlling environmental quality. Prerequisite: Ec 201. Meets one hour each day, M, Tu, W, Th. Campbell.

Ec 376. **Intermediate Economic Analysis.** 3 hours.

Theory of the consumer ; theory of the firm ; price determination in various kinds of markets. Prerequisite : Ec 201. Meets one hour each day, M, Tu, W, Th. Wiens.

Ec 401. **Research.** Hours to be arranged.

Ec 405. **Reading and Conference.** Hours to be arranged.

Ec 407. **Seminar.** Hours to be arranged.

Ec 407. **Seminar: Economic Problems of the Third World.** 3 hours.

Alternative models for economic development ; relations with developed countries ; role of planning ; current policy issues. Prerequisite: Ec 201 or consent of instructor. Meets two hours each day, Tu, Th. Wiens.

Ec 407. **Seminar: Fiscal Dilemmas of State and Local Governments.** 3 hours.

State and local governments in the Federal fiscal system ; "new" taxes versus revenue sharing, issues in educational finance, impact of taxes on urban and regional development. Prerequisite: Ec 201 or consent of instructor. Meets two hours each day, M, W. Whitelaw.

Ec 409. **Supervised Tutorial Practicum.** 1-3 hours.

Ec 415. **Regional and Urban Economics.** 3 hours.

Metropolitan growth and development ; problems of race and poverty ; urban education ; urban transportation ; normative models of the city. Prerequisite: Ec 201. Meets one hour each day, M, Tu, W, Th. Whitelaw.

Ec 440. **International Economics.** 3 hours.

Foreign exchange rates ; the international balance of payments ; fixed versus "floating" exchange rates ; international financial adjustment problems ; implications of suggested changes in the international monetary system. Prerequisite : Ec 201. Meets one hour each day, M, Tu, W, Th. Goldstein.

Ec 490. **Development of Industrial Economies.** 3 hours.

Population growth, production techniques, overseas expansions ; the economic history of modern Europe: 1500-1900. Meets one hour each day, M, Tu, W, Th. Cipolla.

Ec 501. **Research.** Hours to be arranged.

Ec 503. **Thesis.** Hours to be arranged.

Ec 505. **Reading and Conference.** Hours to be arranged.

Ec 507. **Seminar.** Hours to be arranged.

Ec 507. **Seminar: Special Studies in Economic History.** 3 hours.

Population, education, public health, and economic development in historical perspective. Meets two hours each day, M, W. Cipolla.

## English

Visting Faculty : BOWERMAN.

Professors : BARTEL, CADBURY, GRIFFITH, HANDY, MCNEIR, TAYLOR, WEATHERHEAD, WICKES.

Associate Professors : ALBRECHT, BALL, HYNES, MALARKEY, MAVEETY, SALISBURY, STRANGE, TOELKEN.

Assistant Professors : ALLEN, ALY, BOREN, COLEMAN, LYONS, MALSCH, ROCKETT, STEVENSON, TEICH.

Instructor : JACKSON.

## Literature

- Eng 104. **Introduction to Literature (First Term)**. 3 hours.  
Literature and the nature of literary experience through the reading of great works of prose and poetry from English and other literature. The principal literary types are read in their entirety when possible, with emphasis on structure, style, characterization, imagery, and symbolism. Meets one hour each day, M, Tu, W, Th.
- Eng 105. **Introduction to Literature (Second Term)**. 3 hours.  
For description, see Eng 104. Meets one hour each day, M, Tu, W, Th. Stevenson.
- Eng 106. **Introduction to Literature (Third Term)**. 3 hours.  
For description, see Eng 104. Meets one hour each day, M, Tu, W, Th. Taylor.
- Eng 108. **World Literature (Second Term)**. 3 hours.  
Literary and cultural foundations of the western world through the analysis of a selection of masterpieces of literature, ancient and modern, read in chronological order. Readings include continental, English, and American works. Meets one hour each day, M, Tu, W, Th.
- Eng 109. **World Literature (Third Term)**. 3 hours.  
For description, see Eng 108. Meets one hour each day, M, Tu, W, Th. Teich.
- Eng 201. **Shakespeare (First Term)**. 3 hours.  
The important plays: comedies, histories, and tragedies. Required for English majors. Meets one hour each day, M, Tu, W, Th. Boren.
- Eng 202. **Shakespeare (Second Term)**. 3 hours.  
For description, see Eng 201. Meets one hour each day, M, Tu, W, Th. Boren.
- Eng 203. **Shakespeare (Third Term)**. 3 hours.  
For description, see Eng 201. Meets one hour each day, M, Tu, W, Th. Rockett.
- Eng 254. **Survey of American Literature (Second Term)**. 3 hours.  
American literature from its beginnings to the present day. Meets one hour each day, M, Tu, W, Th. Albrecht.
- Eng 322. **English Novel (Second Term)**. 3 hours.  
From Richardson and Fielding to the present. Meets one hour each day, M, Tu, W, Th. Stevenson.
- Eng 394. **Twentieth-Century Literature (First Term)**. 3 hours.  
A critical survey of British, American, and some European literature from 1890 to the present; significant works of poetry, drama, and fiction studied in relation to intellectual and historical developments. Meets one hour each day, M, Tu, W, Th. Hynes.
- Eng 395. **Twentieth-Century Literature (Second Term)**. 3 hours.  
For description, see Eng 394. Meets one hour each day, M, Tu, W, Th.
- Eng 396. **Twentieth-Century Literature (Third Term)**. 3 hours.  
For description, see Eng 394. Meets one hour each day, M, Tu, W, Th. Weatherhead.
- Eng 403. **Thesis**. Hours to be arranged.
- Eng 405. **Reading and Conference**. Hours to be arranged.
- Eng 407. **Seminar: Black Literature for Teachers**. (G) 3 hours.  
Meets one hour each day, M, Tu, W, Th. Coleman.
- Eng 407. **Seminar: Experimental Readings in Black Literature**. (G) 3 hours.  
Meets one hour each day, M, Tu, W, Th. Coleman.
- Eng 407. **Seminar: Existentialism and the Modern Novel**. (G) 3 hours.  
Meets one hour each day, M, Tu, W, Th. Handy.

- Eng 407. **Seminar: Science Fiction.** (G) 3 hours.  
Meets one hour each day, M, Tu, W, Th. Allen.
- Eng 407. **Seminar: Responses to Literature and Art.** (G) 3 hours.  
Meets one hour each day, M, Tu, W, Th. Bowerman.
- Eng 407. **Seminar: Folklore Field Collection.** (G) 3 hours.  
Meets one hour each day, M, Tu, W, Th. Toelken.
- Eng 407. **Seminar: Film Criticism.** (G) 3 hours.  
Undergraduates must have instructor's permission to enroll. Meets one hour each day, M, Tu, W, Th. Cadbury.
- Eng 416. **History of Literary Criticism (Third Term).** (G) 3 hours.  
Studies in the theory and practice of literary criticism from Plato and Aristotle to the present. Meets one hour each day, M, Tu, W, Th. Handy.
- Eng 419. **American Folklore.** (G) 3 hours.  
Native American folklore; its connections in American history and culture; its role in the development of the writings of selected American authors (e.g., Hawthorne, Melville). Meets one hour each day, M, Tu, W, Th. Toelken.
- Eng 422. **Modern Drama (Third Term).** (G) 3 hours.  
International developments in drama from 1941 to the present. Meets one hour each day, M, Tu, W, Th. Ball.
- Eng 428. **Chaucer.** (G) 3 hours.  
As much of Chaucer's work read as time permits. Meets one hour each day, M, Tu, W, Th. Allen.
- Eng 430. **Literature of the Renaissance (First Term).** (G) 3 hours.  
Renaissance thought. Meets one hour each day, M, Tu, W, Th. Maveety.
- Eng 436. **Advanced Shakespeare.** (G) 3 hours.  
Intensive study of selected plays. The course may concentrate on plays currently being presented in Ashland. Meets one hour each day, M, Tu, W, Th. McNeir.
- Eng 451. **Eighteenth-Century Literature (Second Term).** (G) 3 hours.  
Primarily Swift and Pope. Meets one hour each day, M, Tu, W, Th. Taylor.
- Eng 460. **The Romantic Poets (First Term).** (G) 3 hours.  
Wordsworth and Coleridge. Meets one hour each day, M, Tu, W, Th. Strange.
- Eng 479. **Nineteenth-Century American Literature (Third Term).** (G) 3 hours.  
Intensive study of the American literary tradition. Realism and naturalism. Meets one hour each day, M, Tu, W, Th. Griffith.
- Eng 481. **Major American Writers (First Term).** (G) 3 hours.  
Intensive study of two or three major authors each term, such as Hawthorne, Emerson, Whitman, Melville, James, Twain, Dickinson, Frost, Eliot, Hemingway, Faulkner. Meets one hour each day, M, Tu, W, Th. Ball.
- Eng 488. **Literary Analysis for Teachers.** (g) 3 hours.  
For students interested in teaching high-school English. Training in comprehension and analysis of fiction, poetry, and drama from English and American literature. Meets one hour each day, M, Tu, W, Th. Bartel.
- Eng 491. **History of the English Language.** (g) 3 hours.  
A general view of modern English vocabulary, grammar, pronunciation, and spelling. Recommended for students preparing for the teaching of English in the secondary schools. Meets one hour each day, M, Tu, W, Th. Sloat.
- Eng 492. **Modern English Grammar.** (g) 3 hours.  
Comprehensive study of the grammar of modern English, for prospective teachers of English; examination of traditional, structural, and transformational theories. Meets one hour each day, M, Tu, W, Th. Malsch.