

SUMMER SESSION ■ 1969

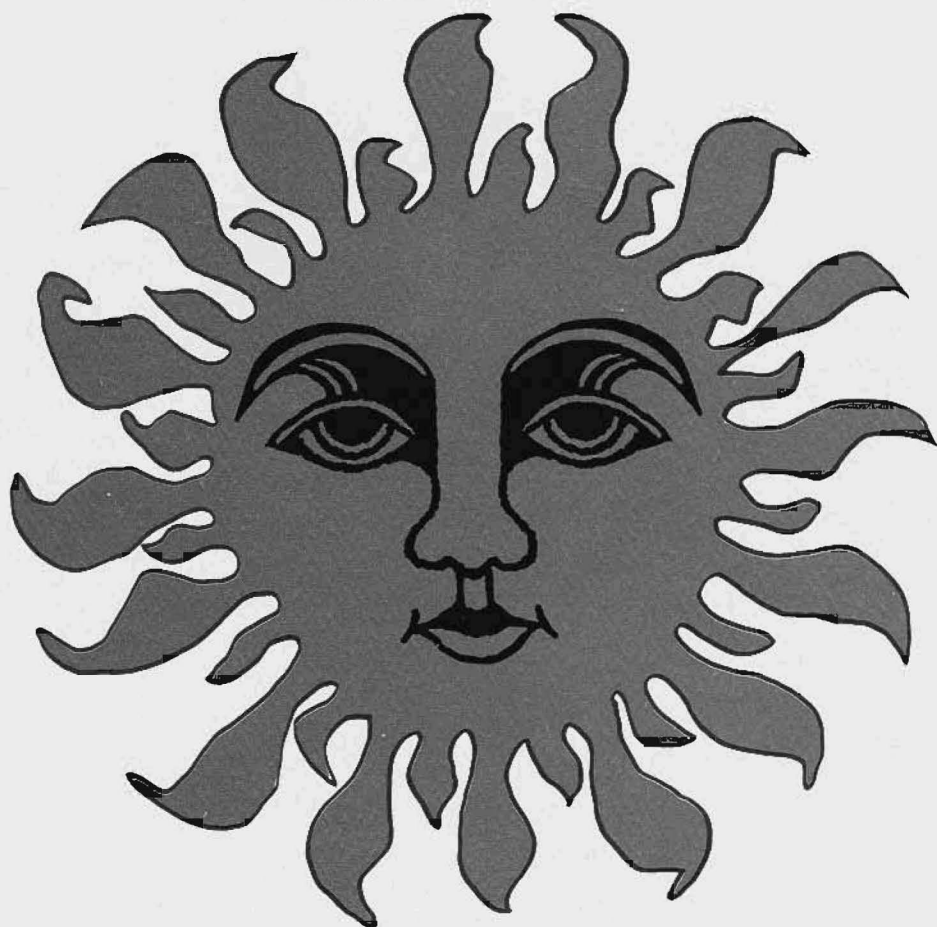
University of Oregon, Eugene

Bulletin

UNIVERSITY OF OREGON

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NUMBER 154

FEBRUARY 1969

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All Summer Session students intending to enroll for credit must file an Intent-to-Enroll Notice with the Registrar's Office before official registration procedures can be started. Personalized registration materials will be prepared from the information on this form. Delay in obtaining registration materials will be avoided by filing this notice several weeks before classes begin. Auditors need not file.

Filing of this form in no way constitutes admission; it is for registration purposes only. For information about formal admission (graduate and undergraduate) see pages 16-23 of the Summer Session Bulletin.

This notice will be forwarded to the Registrar by the Summer Session Office. If this form is received in time the Summer Session Time Schedule of Classes will be mailed to you about May 15.

Intent-to-Enroll Notice

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Any other name for you in our files? What?

Last term (if ever) you attended U. of O. (Do not include Division of Continuing Education enrollment)

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Class (circle one) Graduate Students only: (+) special or prefreshman Have you applied for admission to the Graduate School? (1) freshman Do you intend to earn an advanced degree here? (2) sophomore If so, what degree? (3) junior (4) senior (5) graduate (any degree) Sex (circle one) In what major? (1) male (2) female

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For additional Intent-to-Enroll Notices,
please write to :

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Calendar ■ 1969 Summer Session

- June 16, *Monday*.....Pre-session workshops begin
- June 23, *Monday*.....Registration
- June 24, *Tuesday*.....Classes begin
- June 27, *Friday*.....Last day to pay registration fees for
summer-term courses (8 or 11 weeks)
without penalty
- July 4, *Friday*.....Independence Day, holiday
- July 18, *Friday*.....Last day to submit doctoral dissertations
to committee members
- July 18, *Friday*.....Last day to apply for doctoral final oral examinations
- July 18, *Friday*.....Last day to apply for degree for August Commencement
- August 1, *Friday*.....Last day to submit "Statement of Completion
of Requirements for Master's Degree" to
Graduate School Office
- August 8, *Friday*.....Last day to hold doctoral final oral examinations
- August 11, *Monday*.....Last day to turn in master's theses and doctoral
dissertations to Graduate School Office
- August 14-15, *Thursday-Friday*.....Final examinations for eight-week courses
- August 16, *Saturday*.....Summer Graduation Convocation
- September 4-5, *Thursday-Friday*.....Final examinations for eleven-week courses
- September 5, *Friday*.....Summer Session ends

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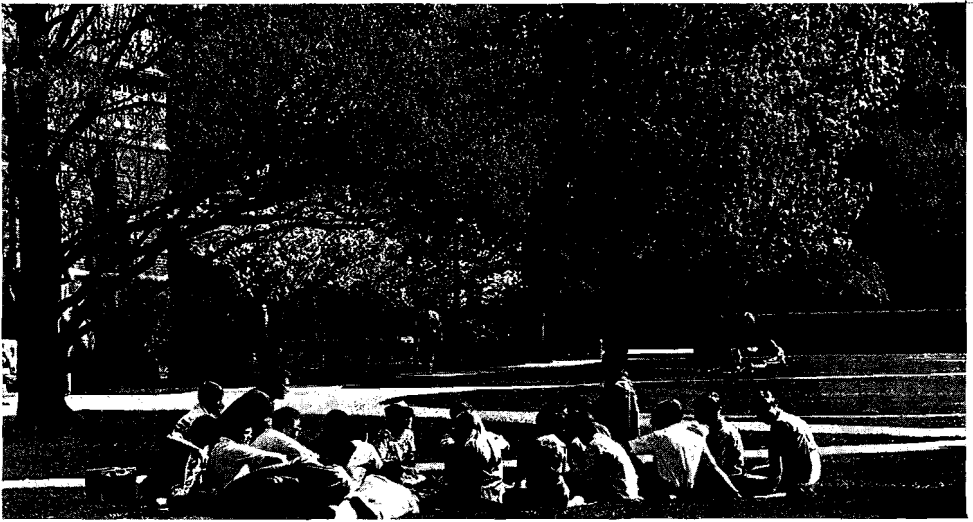
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- MYRA MILLER, B.A., Instructor in Community Service.
- SUSAN MILLER, M.A., Instructor in Education.
- ARTHUR MITTMAN, Ph.D., Professor of Education; Chairman, Department of Educational Psychology.
- WALTER MOBERLY, Ph.D., Assistant Professor of Biology.
- MICHAEL MOORAD, M.A., Instructor in Germanic Languages.
- ANDREW F. MOURSUND, Ph.D., Professor of Mathematics; Head, Department of Mathematics.
- DAVID G. MOURSUND, Ph.D., Associate Professor of Mathematics; Research Associate, Statistical Laboratory and Computing Center.
- JANET MOURSUND, Ph.D., Assistant Professor of Community Service.
- CORLEE MUNSON, Ph.D., Assistant Professor of Physical Education.
- GORDON J. MURPHY, M.S., Instructor in Biology; Coordinator, Department of Biology Summer Program.
- LEW B. MYERS, M.D., Assistant Professor of Education.
- GERALD S. McCAUGHEY, Ph.D., Professor of English, San Fernando State College; Visiting Professor of English.
- BAYARD H. McCONNAUGHEY, Ph.D., Associate Professor of Biology.
- BETTY F. McCUE, Ph.D., Professor of Physical Education; Chairman, Department of Physical Education for Women.
- LORAIN McKENZIE, B.A., Instructor in Home Economics.
- JAMES M. McLEOD, D.Ed., Assistant Professor of Education.
- JOHN C. McMANUS, M.A., Assistant Professor of Music (Clarinet, Music Education).
- JAMES R. McWILLIAMS, Ph.D., Assistant Professor of Germanic Languages.
- KARL J. NESTVOLD, M.S., Assistant Professor of Journalism.
- IVAN M. NIVEN, Ph.D., Professor of Mathematics.
- C. MAX NIXON, B.F.A., Associate Professor of Applied Design.
- W. SCOTT NOBLES, Ph.D., Professor of Speech.
- ROBERT E. NYE, Ph.D., Professor of Music (Music Education).
- VERNICE T. NYE, M.A., Associate Professor of Education.
- LARRY C. OGLESBY, Ph.D., Assistant Professor of Zoology, Pomona College; Visiting Assistant Professor of Biology.
- JOHN ORBELL, Ph.D., Assistant Professor of Political Science.
- WILLIAM N. ORR, Ph.D., Assistant Professor of Geology.
- HENRY OSIBOV, Ed.D., Associate Professor of Education; Assistant to the Dean of Faculties.
- HAROLD J. OWEN, M.Mus., Assistant Professor of Music (Composition, Music Theory).

- DAVID P. PARK, B.A., Instructor in Romance Languages.
- WILLIAM H. PARKS, Ph.D., Assistant Professor of Finance.
- CECIL B. PASCAL, Ph.D., Associate Professor of Classics.
- GERALD R. PATTERSON, Ph.D., Professor of Education.
- C. P. PATTON, Ph.D., Professor of Geography; Head, Department of Geography.
- RICHARD PAULIN, M.A., Assistant Director of Art Museum; Assistant Professor of Art Education.
- ARTHUR PEARL, Ph.D., Professor of Education.
- ANIELA E. PELCH, M.S., Assistant Professor of Home Economics.
- DONALD L. PETING, M.Arch., Assistant Professor of Architecture.
- IONE F. PIERRON, M.S., Associate Professor of Librarianship.
- JUDSON S. POND, Ph.D., Senior Instructor in Chemistry.
- PATRICIA B. POND, M.A., Assistant Professor of Librarianship; Assistant Professor of Education.
- FRANCES M. POSTELL, B.S.L.S., Assistant Professor of Librarianship.
- PERRY J. POWERS, Ph.D., Professor of Romance Languages.
- HERBERT J. PREHM, Ph.D., Associate Professor of Education.
- JESSIE L. PUCKETT, M.S., Associate Professor of Physical Education.
- ARTHUR J. QUINN, Ph.D., Assistant Professor of History.
- DAVID J. QUINN, M.A., Instructor in Romance Languages.
- KENNETH D. RAMSING, D.B.A., Associate Professor of Management.
- RICHARD J. RANKIN, Ph.D., Associate Professor of Education.
- M. DOUGLAS RAY, M.S., Acting Assistant Professor of Community Service and Public Affairs; Acting Director, Office of Career Counseling and Advising.
- DEAN F. REA, M.A., Assistant Professor of Journalism.
- R. W. REID, B.A., Acting Assistant Professor of English.
- STEVEN F. RENDALL, Ph.D., Assistant Professor of Romance Languages.
- CLAUS RESCHKE, B.A., Instructor in Germanic Languages.
- EDWARD R. REUTER, Ph.D., Associate Professor of Physical Education.
- FLORA ELIZABETH REYNOLDS, M.A., Assistant Professor of Librarianship.
- WILLIAM P. RHODA, D.Ed., Professor of Physical Education; Director, Service Course Program for Men.
- LARRY E. RICHARDS, M.B.A., Assistant Professor of Business Statistics.
- MILDRED M. ROBECK, Ph.D., Associate Professor of Education.
- GORDON ROCKETT, Ph.D., Assistant Professor of English.
- EDITH RODE, M.S., Instructor in English.
- ROY H. RODGERS, Ph.D., Associate Professor of Sociology.
- LYNN RODNEY, Ph.D., Professor of Recreation Management; Head, Department of Recreation and Park Management; Chairman, Leisure and Cultural Services Program.
- LAWRENCE W. ROSS, JR., J.D., Associate Professor of Business Law; Associate Director of Honors College.
- RONALD J. ROUSSEVE, Ph.D., Associate Professor of Education, and Community Service (CSPA).
- WILLIAM N. ROY, Instructor in Sculpture.
- PAUL P. RUDY, Ph.D., Assistant Professor of Biology; Acting Director, Oregon Institute of Marine Biology.

- BRUCE P. RYAN, Ph.D., Associate Professor of Speech.
 C. BRYAN RYAN, M.F.A., Associate Professor of Art.
 GAYLORD RYBOLT, Ph.D., Assistant Professor of Education.
 R. J. SALISBURY, M.F.A., Associate Professor of English.
 CARL M. SALTVEIT, M.P.A., Adjunct Assistant Professor of Public Affairs and Administration.
 ADOLPH A. SANDIN, Ph.D., Professor of Education.
 OSCAR F. SCHAAF, Ph.D., Adjunct Associate Professor of Education.
 RICHARD G. SCHLAADT, Ed.D., Assistant Professor of Health Education.
 CLARENCE W. SCHMINKE, Ph.D., Associate Professor of Education; Chairman, Department of Curriculum and Instruction.
 RENATE SCHOLTZMETHNER, B.S., Dozentin, Deutsche Sporthochschule, Cologne, West Germany; Professor of Physical Education.
 MARILYN A. SCOTT, B.A., Instructor in Germanic Languages.
 G. H. SEARL, M.S., Assistant Professor of Geography, Lane Community College; Visiting Assistant Professor of Geography.
 FREDERICK J. SEUBERT, Ph.D., Associate Professor of Management.
 LESLIE L. D. SHAFFER, Ph.D., Associate Professor of Management.
 GUY SHELLNBARGER, M.Ed., Professor of Education.
 GEORGE SHEPERD, Ed.D., Associate Professor of Education.
 WILLIAM C. SHEPPARD, Ph.D., Assistant Professor of Psychology.
 PETER R. SHERMAN, M.S., Senior Instructor in Mathematics.
 RONALD E. SHERRIFFS, Ph.D., Assistant Professor of Speech; Acting Director, Division of Broadcast Services and Televised Instruction.
 IRMA SHERWOOD, Ph.D., Assistant Professor of English.
 J. C. SHERWOOD, Ph.D., Professor of English.
 STEPHEN C. SHUCARD, Ph.D., Assistant Professor of Classics.
 BARRY N. SIEGEL, Ph.D., Professor of Economics.
 PETER O. SIGERSETH, D.Ed., Ph.D., Professor of Physical Education.
 PAUL E. SIMONDS, Ph.D., Associate Professor of Anthropology.
 CLARENCE SLOAT, Ph.D., Assistant Professor of English.
 JOHN W. SOHA, M.B.A., C.P.A., Assistant Dean of Undergraduate College of Business Administration; Associate Professor of Business Administration.
 E. G. SMITH, Ph.D., Associate Professor of Geography.
 JAMES D. SMITH, M.F.A., Instructor in Art Education.
 NORMAN R. SMITH, Ph.D., Associate Professor of Marketing.
 RICHARD J. SMITH, Ph.D., Instructor in Physical Education; Gymnastics Coach.
 WARREN E. SMITH, Ed.D., Associate Professor of Health Education.
 JOSE MIQUEL SOBRÉ, Cert. Dipl., Instructor in Romance Languages.
 JAY V. SOEDER, M.F.A., Associate Professor of Art; Head, Department of Fine and Applied Arts.
 LLOYD R. SORENSON, Ph.D., Professor of History.
 VERNON S. SPRAGUE, Ph.D., Professor of Physical Education.
 R. C. STEVENSON, M.A., Assistant Professor of English.
 NONDA STONE, M.Ed., Senior Instructor in Education.
 W. C. STRANGE, Ph.D., Associate Professor of English.
 G. DOUGLAS STRATON, Ph.D., Associate Professor of Religious Studies; Head, Department of Religious Studies.
 JOHN E. SUTTLE, Ed.D., Professor of Education.

- PAUL SWADENER, D.B.A., Assistant Professor of Insurance.
- ROBERT SYLWESTER, Ed.D., Associate Professor of Education.
- CLARABEL TANNER, M.L.S., Assistant Professor of Librarianship.
- DIRK TEN BRINKE, Ph.D., Adjunct Assistant Professor of Education.
- CHARLES H. THORMAN, Ph.D., Assistant Professor of Geology.
- PETER THORPE, Ph.D., Assistant Professor of English.
- CLARENCE E. THURBER, Ph.D., Professor of International and Public Affairs;
Deputy Director, Institute of International Studies and Overseas Administration.
- J. B. TOELKEN, Ph.D., Assistant Professor of English.
- THOMAS J. TOMANEK, Ph.D., Assistant Professor of Romance Languages.
- SAUL TOOBERT, Ph.D., Associate Professor of Education; Assistant Director,
Counseling Center.
- DONALD E. TOPE, Ph.D., Professor of Education.
- ROBERT M. TROTTER, Ph.D., Dean of the School of Music; Professor of Music
(Theory, Music History).
- PAUL TUCKER, M.Ed., Instructor in Education.
- JAMES M. VAN BUSKIRK, Ph.D., Associate Professor of Mathematics.
- DONALD R. VAN HOUTEN, Ph.D., Assistant Professor of Sociology.
- WENDELL L. VAN LOAN, Ed.D., Professor of Education.
- DONALD P. VAN ROSSEN, Ph.D., Assistant Professor of Physical Education;
Swimming Coach.
- KENNETH D. VIEGAS, M.S.W., Assistant Professor of Community Service.
- MARY L. WAGNER, M.A., Instructor in Romance Languages.
- RODNEY K. WALDRON, M.A., Professor of Librarianship.
- MAX WALES, M.A., Acting Dean, School of Journalism, Professor of Journalism.
- HILL M. WALKER, Ph.D., Assistant Professor of Education.
- GERALD WALLACE, M.Ed., Instructor in Education.
- CARL J. WALLEN, Ed.D., Associate Professor of Education.
- RONALD WALLER, Ph.D., Associate Professor of Education.
- RUTH WAUGH, M.S., Senior Instructor in Education.
- CARL C. WEBB, M.A., Associate Professor of Journalism.
- RUTH A. WILLARD, Ed.D., Associate Professor of Education .
- DANIEL S. WILLIAMS, B.A., Instructor in Journalism.
- MILDRED WILLIAMS, D.Ed., Adjunct Associate Professor of Education.
- NEIL E. WILSON, Ph.D., Associate Professor of Music (Voice, Director, Chamber
Choir).
- WILLIS L. WINTER, Ph.D., Associate Professor of Journalism.
- ARMIN WISHARD, M.A., Instructor in Germanic Languages.
- HERBERT P. WISNER, M.S., Instructor in Biology.
- HUGH B. WOOD, Ed.D., Professor of Education.
- KENNETH S. WOOD, Ph.D., Professor of Speech; Director, Speech and Hearing
Clinic.
- JOHN E. WOODHAM, Ph.D., Assistant Professor of History.
- EDNA P. WOOTEN, Ph.D., Associate Professor of Physical Education.
- CALVIN ZIGLER, M.A., Instructor in Education.
- K. DOUGLAS ZUG, A.B., Instructor in Cultural Services Administration.
- ARNULF ZWEIG, Ph.D., Associate Professor of Philosophy; Head, Department
of Philosophy.



The Summer Program

The University's summer session is designed to meet the educational needs of a broad range of people. The program is arranged to include a wide variety of courses offered within convenient time periods. The program includes :

(1) *Full-term courses eleven weeks in length.* These courses are primarily for undergraduates who wish to accelerate their progress toward a degree, or for entering freshmen who want to test their ability to do college work. Sixteen or more term hours of credit may be earned during the eleven-week session.

(2) *Three-term sequences in the eleven-week session.* In some departments, a three-term sequence can be taken by students wanting to complete a full year's work in one subject during the eleven-week session.

(3) *Eight-week courses.* These courses are designed for both undergraduate and graduate students. Students may normally earn 12 or 13 term hours of credit in eight-week courses.

(4) *Special courses.* The summer program also includes workshops, institutes, conferences, and seminars of varying length and starting at various times throughout the summer.

Students may take courses in any combination of the above time periods.

Further information about summer session may be obtained by writing the Director of Summer Session, Room 116A Education Building, University of Oregon, Eugene 97403.

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 (this is not refundable); (3) official transcripts of all high-

school and college records. Specific admission requirements are listed in the general University Catalog.

Admission Through Prefreshman Program. A student who is unable to qualify for fall-term admission on the basis of his high-school record or College Entrance Examination Board test score, has the opportunity to qualify for admission by doing acceptable work during summer session. Both resident and nonresident 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, resident students are required to earn a 2.00 ("C") grade-point average to qualify for fall-term admission; nonresident students must earn a 2.25 grade-point average to qualify for fall-term admission.

Prefreshman students are urged to write the Office of Admissions for more information before the beginning of the summer session.

Orientation Session. An orientation session for undergraduates who have not previously attended the University will be held Sunday evening, June 22, in one of the dormitory units. The time and place will be announced. Personnel from the Admissions Office and the Office of Academic Advising will assist new students in understanding the general academic policies of the University and the student-faculty advising system.

Program Planning. Essential tools for program planning during the summer are the Summer Session Catalog and the Time Schedule of Classes. Students who plan to attend fall term should also check the Regular Session Catalog, which contains complete 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 Catalog and Time Schedule of Classes are 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, and all new students are required to confer with an adviser before completing the registration process. 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. New students must obtain the adviser's signature on the registration card.

Study Loads. Although there is no prescribed study load during summer session, students can normally take about 15 credit hours during the eleven-week session, or about 12-13 credit hours during the eight-week session. Students may take courses in both the eleven-week and eight-week sessions concurrently.

Major. It is not necessary that a student declare an official major during the summer session. A freshman planning to continue at the University can spend at least one year fulfilling lower-division group requirements while investigating possible major fields.

The University Counseling Center can assist students in selecting a major by providing aptitude tests and information about various fields and careers. The Counseling Center is located in Susan Campbell Hall.

Grading System. Student work is graded as follows: A, exceptional; B, superior; C, average; D, inferior; F, failed; I, incomplete; W, withdrawn. Students ordinarily receive one of the four passing grades or F. 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 (not pass). W indicates official withdrawal from a course by filing the proper forms in the Registrar's Office in accordance with University regulations.

Under new faculty legislation, students have the option of electing certain of their courses on an ungraded basis (P or N). Only 36 hours of such ungraded courses may be applied to a baccalaureate degree, and each department, school, or special curriculum has its own regulations on ungraded courses. Before exercising this option, students should confer with their advisers.

Grade points are computed on the basis of 4 points for each hour of A, 3 for each hour of B, 2 for each hour of C, 1 for each hour of D, and 0 for each hour of F. Marks of P, N, W, and I are omitted from grade-point computations. A grade point average (GPA) is the quotient of the total grade points divided by total graded hours. The total cumulative grade-point average includes all grades earned in all college-level work; the University of Oregon grade-point average includes only grades earned here.

In general, any term or cumulative grade-point average below 2.00 is considered unsatisfactory and may lead to scholastic penalties. Any student who has been admitted to the University for fall term will not have that admission jeopardized by a summer GPA below 2.00, but may then enter fall term on academic probation.

Student Conduct. The University of Oregon operates under a progressive student conduct program, based on the assertion 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 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 handled by five minor courts, while major offenses come before the student-faculty court.

The student is provided with procedural fairness and the right to appeal to a higher body, the Student Conduct Committee, a faculty-student committee appointed by the President. The student also has the right to counsel. He may receive assistance from the student defender, a law student who works through the Office of Student Services, 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. An associate dean of students administers the program and counsels with each student referred through him to the student courts.



It is the responsibility of each student to be familiar with the Student Conduct Code, and its administration. The Student Handbook contains the complete Code of Student Conduct. The handbook may be obtained from the Office of Student Services.

Graduate Work

Many summer courses are available for graduate students; in some departments and professional schools considerable work toward a master's degree may be completed in summer session.

Admission for Work Toward a Graduate Degree. A student who intends to use the credits he earns in the summer term toward an advanced degree at the University of Oregon must apply for admission 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.* 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 a student who has been conditionally admitted has not been granted full admission after he has completed 36 term hours of graduate course work, the Graduate School will inquire of his school or department as to the reason and recommend that a decision on the student's status be made as soon as possible.

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 wishes to change his graduate major must be formally admitted to the school or department in which he wishes to work for a degree.

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

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.

* Students from unaccredited institutions or from those (usually foreign) 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.

Documents Supporting Application. An applicant for admission to the Graduate School must submit: (1) two copies of an application on an official University form, and (2) two copies of an official transcript of all previous college work taken. One copy of these credentials should be sent to the department or school in which the applicant plans to study and the other to the Office of Admissions. 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.

Admission as an Unclassified Student. A student with a baccalaureate or higher degree who wishes to enroll in one or more graduate courses, but not with the object of seeking a graduate degree or entering one of the specific nondegree programs, may be admitted to the University (*not* to the Graduate School) as an unclassified student. A student in this category must have permission from the instructor to enroll in any graduate course.

It should be emphasized that unclassified status is not designed to be probationary to acceptance in an advanced degree program; there is a specially designated *conditional* status for this purpose (see above). Rather, the unclassified category is intended to make it possible for individuals to enroll (with permission) in selected graduate courses without the need to conform to degree requirements and without the expectation of a degree.

No credits earned after September 1, 1969, while a student is in unclassified status, may be applied toward an advanced degree.

Continuous Enrollment. A graduate student who has been admitted for work toward a graduate degree is required to enroll in the University each term from the time of first enrollment until the completion of all degree requirements, including the awarding of the degree. In any term in which the student is making use of University services or facilities, he must enroll in a minimum of three term hours of course work. Ordinarily this work will be taken in residence, but a student may register by proxy for course work when, for example, he is living elsewhere and writing his thesis or dissertation, sending chapters of it to his adviser for criticism.

A student may register for on-leave status when he is not making use of any University facilities or placing any demands upon the faculty; in this case he pays no fees during the leave period. Leave status is granted for a stated period of time, normally not to exceed one calendar year. An exception is made for students who are able to pursue their master's degree work only in the summer term; these students must apply for leave status for the ensuing school year. They may request extensions of leave up to but not beyond the seven-year limitation on credit earned toward a master's degree (see "Time Limit," below).

If a student has completed all degree requirements in the term before that in which the degree is to be awarded, he must register for on-leave status for the term in which he expects to receive his degree.

Failure to maintain continuous enrollment, either in residence or on leave of absence, is considered evidence that the student has withdrawn from the University. If he wishes to resume his studies, he must formally apply for readmission, and must satisfy requirements for admission in effect at the time he reapplies.

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. 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.

Grade Requirement. A graduate student is required to earn at least a B average in all courses taken in his degree program to qualify for a graduate degree. 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 D, though both D and F grades will be included in the GPA computation.

Residence Requirement. The residence requirement for the master's degree is 30 term hours of work on the Eugene campus or at the Medical School, Dental School, or School of Nursing in Portland.*

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; (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 or B. Graduate credit is not allowed for correspondence courses. Credit granted for work done at another institution is tentative until validated by work in residence (see also "Time Limit" below).

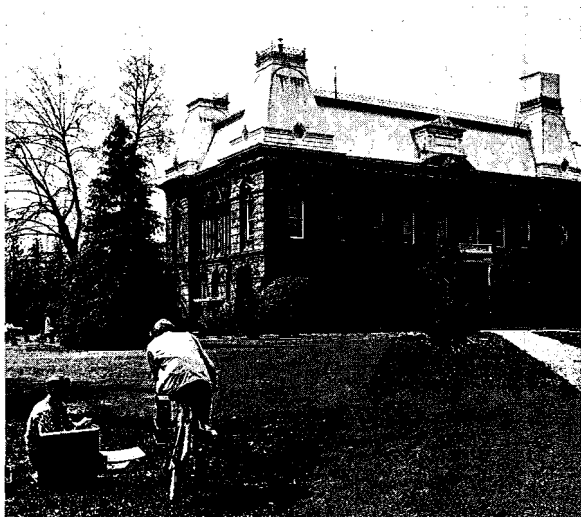
Time Limit. All work for a master's degree must be completed within a period of seven years. This includes work for which credit is transferred, thesis, and final examination.

Maximum Course Load. The maximum summer course load for a graduate student devoting full time to graduate study is 13 term hours for the eight-week session or 16 hours for the eleven-week session. Credit for work taken in excess of these maximums cannot be applied toward a degree.

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 term 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 501 (Research) instead. Credits for Thesis (503) and Research (501) is granted on a no-grade basis and is disregarded in computing the student's GPA.

* M.B.A. and M.Ed. programs, which are now being phased out, permit the use of credit from the Portland Continuation Center to count as residence work. Candidates for the M.S. degree with a major in health, physical education, and recreation may apply toward the residence requirement up to 18 term hours earned in courses in the Portland summer session taught by members of the University faculty.



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 (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 : English, foreign language, geography, history, and mathematics.

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 Options 1 or 2, 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 foreign languages should be directed to the chairmen of these academic departments. Inquiries about programs in other areas should be directed to Lloyd R. Sorenson.

Administrative Certificates

The University offers a comprehensive program of graduate work in educational administration in both the regular academic year and in the summer session, including two-year programs, which satisfy the requirements for administrative certificates issued by the Oregon State Department of Education.

For admission to these programs the student must: (1) provide evidence of successful completion of work for the master's degree in a standard college or university, or the equivalent; (2) file formal application for admission on a form provided by the College of Education; (3) provide a satisfactory score on the Miller Analogies Test or approved substitute; (4) provide recommendations from at least three persons capable of evaluating the candidate's teaching and administrative experience; (5) present a complete program of studies for either (a) the two-year graduate program in educational administration or (b) the doctoral program in educational administration, with the approval of his adviser; (6) be recommended for admission by the Committee on Advanced Administrative Programs of the College of Education.

Requirements for a Standard Administrative Certificate. To qualify for an Oregon standard administrative certificate, the applicant must: (1) hold a valid Oregon standard teacher's certificate or a five-year regular Oregon teacher's certificate; (2) verify five years of successful teaching and administrative experience, at least two years of which have been successful experience in some supervisory or administrative capacity; (3) have completed, for a principal's certificate, 33 quarter hours or, for a superintendent's certificate, 45 quarter hours of upper-division or graduate study in educational administration in a college or university approved by the State Board of Education subsequent to the master's degree; (4) be recommended by the college or university in which he has completed his graduate program in preparation for school administration as having the qualifications essential to a school administrator; (5) have completed specialization requirements set by the State Board of Education. At least two-thirds of the work in the University's programs in educational administration must be completed on the Eugene campus.

Requirements for a Basic Administrative Certificate. To qualify for an Oregon basic administrative certificate, the applicant must: (1) hold a valid Oregon teaching certificate; (2) have completed a five-year general teaching norm at the level to be administered; (3) verify three years of legal, successful teaching experience at the level to be administered; (4) verify completion of nine (9) quarter hours of graduate study in or accepted by a college or university approved by the State 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.

Registration

All Summer Session students intending to enroll for credit must file an **INTENT-TO-ENROLL** notice with the Registrar's Office before official registration procedures can be started. **INTENT-TO-ENROLL** 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 obtaining registration materials the **INTENT-TO-ENROLL** notice should be filed with the Registrar's Office several weeks before classes begin. Filing of an **INTENT-TO-ENROLL** notice in no way constitutes admission; the notice is for registration purposes only. For information about admission see pages 16-23 of this bulletin. Detailed registration procedures are included in the Time Schedule of Classes, available about May 15.



Summer Session Fees

Students attending summer session classes for credit or as auditors pay the same fees. Registration and other summer session fees are listed below. The Business Office is open for payment of fees from 8:00 a.m. to 12:00 noon and from 1:00 to 4:00 p.m., Monday through Friday.

Undergraduate registration for 8 or more term hours (full load), regardless of length of session	\$123.00
Graduate registration (any post-baccalaureate student) for 8 or more term hours (full load), regardless of length of session	\$143.00
Graduate assistant (summer assistantship, at least 0.15 FTE), per term	\$ 35.00
Registration on part-time, per-hour basis (undergraduate or graduate, credit or audit)	\$31.00 to \$108.50
1 or 2 term hours, \$31.00; 3 term hours, \$46.50; 4 term hours, \$62.00; 5 term hours, \$77.50; 6 term hours, \$93.00; 7 term hours, \$108.50.	
Deposit, for students taking 8 or more term hours (against breakage or loss of University property; refundable)	\$ 10.00
Change of program fee (assessed immediately, for each course changed from original registration)	\$ 1.00
Exceptions to procedural deadlines, <i>if approved</i> , may be assessed a penalty fee	\$5.00 to \$10.00
Late-registration fee for full-time students, per day (after initial charge of \$5.00 for the first day late)	\$ 1.00
All full-time students pay the late-registration fee if they register for summer-term courses after June 27.	
Graduate qualifying examination fee	\$1.00 to \$15.00
Staff fee, per term hour	\$ 3.00
With specified approval, 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. Staff members may be permitted to take noncredit courses at approximately one-third of the fee assessed to other registrants.	
Fees for school psychological services:	
Diagnostic service (school enrolled)	\$ 10.00
Diagnostic service (preschool and postschool service)	\$ 15.00

Fee Refunds. Students who withdraw from the summer session and who have complied with the regulations governing withdrawal are entitled to certain refunds of fees paid, depending on the time of withdrawal. A schedule of fee refunds is on file in the University Business Office.

Refunds in all cases are calculated from the date of application for the refund, and not from the date the student ceased attending classes.



Living Accommodations

No deposit or advance payment is required for summer session dormitory accommodations. Dormitory rooms for men and women and for married couples without children will be available throughout the summer.

Comfortable, healthful, and congenial living conditions contribute much to the success of University life and work. Living conditions of the right kind aid students to do their best in their studies and contribute, through the experiences of group life, to the building of character and personality. Hence the University is vitally concerned with student housing. Counselors and head residents provide supervision for undergraduates living in all dormitories.

The University dormitories will open at 9:00 a.m. on Sunday, June 22. Upon arrival students who wish University housing accommodations should go to the Housing Office in Carson Hall, Thirteenth and Emerald Streets, to obtain assignments. Meal service will begin with breakfast on Monday, June 23.

For eight-week session students, the dormitories will close at 7:00 p.m. on Friday, August 15, following the evening meal. For eleven-week session students the dormitories will close at 7:00 p.m. on Friday, September 5, following the evening meal.

The University maintains six dormitories, accommodating 3,143 students. Living conditions are comfortable and conducive to successful academic accomplishment and to participation in activities of campus life.

Linen (blankets, one per student, sheets, pillows, pillow cases), water glasses, ashtrays, study lamps, wastebaskets, wardrobe, and laundry facilities are provided in all dormitories. Student occupants must furnish towels and iron.

Students living in dormitories must board in dormitory dining halls. They 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 week-end meals on a per-meal basis).

Both single and double rooms are available; 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.

Room and board charges are payable in advance at the opening of the session. Persons attending eight-week or eleven-week sessions may, however, elect to pay in two installments of one-half the total charge. The first installment is due June 23, payable not later than July 2. The second installment is due July 21, payable not later than July 30. 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 July 2, or if the second installment is not paid by July 30. Dormitory residents enrolled for short courses are charged upon arrival for the number of weeks they will be staying.



Board and room charges are paid at the University Cashier's Office, Emerald Hall. This office is open Monday through Friday, from 8:00 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 Weeks.....	\$165.00	\$196.00	\$104.00	\$156.00
Ten Weeks.....	150.00	179.00	96.00	144.00
Nine Weeks.....	135.00	162.00	88.00	132.00
Eight Weeks.....	120.00	144.00	80.00	120.00
Seven Weeks.....	105.00	126.00	74.00	111.00
Six Weeks.....	90.00	108.00	68.00	102.00
Five Weeks.....	75.00	90.00	62.00	93.00
Four Weeks.....	68.00	80.00	56.00	84.00
Three Weeks.....	51.00	60.00	42.00	63.00
Two Weeks.....	34.00	40.00	28.00	42.00
One Week.....	17.00	20.00	14.00	21.00
Daily	4.00	4.00	3.50	5.00

Undergraduate Housing Rules. Freshman students are required to live in dormitories. Other undergraduate students under 21 years of age who are not living with parents are required to live in dormitories, cooperative houses, or fraternity or sorority houses unless parental permission to live off campus is given to the Office of Student Services. Students living with relatives, or working for room and board in the Eugene-Springfield area, may live in other housing with the consent of their parents.

Off-Campus Housing. Because of budgetary limitations, the University no longer maintains a list of off-campus rentals.

Check the Eugene *Register-Guard* 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 will be available for married couples without children at the regular individual double-room rate for each person. Married couples, to be certain of accommodations, must make advance reservations with the Director of Dormitories, Carson Hall. Individual applications must be submitted by husband and wife.



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 scholarships. 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.

The Library is open during the following summer hours: *June 23 to September 5*—Monday through Friday, 7:30 a.m. to 9:30 p.m.; Saturday, 7:30 a.m. to 5:00 p.m.; Sunday, 2:00 to 9:30 p.m.

Museum of Art. The primary purpose of the Museum of Art is to promote and cultivate among students and staff of the University of Oregon and the general public an active interest in all fields of fine and applied art, past and present. Erected in 1930, the Museum of Art and the garden court adjoining it, both dedicated to the memory of Prince Lucien Campbell, fourth President of the University were financed through gifts. The outstanding Murray Warner Collection, which includes more than 4,000 accessioned objects, representing principally the cultures of China and Japan (but also including some works of art from Cambodia, Korea, Mongolia, and Russia) was given to the University in 1921 by Mrs. Gertrude Bass Warner as a memorial to her husband, Major Murray Warner. In addition to this sizeable bequest Mrs. Warner established a reference library for studies in Oriental Art.

The first-floor galleries of the Museum are devoted primarily to exhibitions reflecting the local, state, and Northwest contemporary art scene: however, many traveling exhibitions of national and international scope also are frequently on view. Exhibitions and acquisitions for the permanent collections are financed primarily through the Friends of the Museum. Membership is open to the public. Museum hours (open to the public): 12:00 noon to 5:00 p.m. Tuesday through Sunday; closed Monday.

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 primitive man.

In addition to storage and display areas, the Museum of Natural History has a preparation laboratory and shop, an archaeology laboratory, paleocology laboratories including facilities for the study of sedimentation and pollen, and drafting, illustration, and darkroom areas, for staff and graduate-student research.

The Museum is located in the science complex and is open Monday through Friday from 8:00 a.m. to 4:30 p.m. during the summer.

Miniature Wagon Museum. The Miniature Wagon Museum, located in Erb Memorial Union, houses more than fifty miniatures of wagons, coaches, and other horse-drawn equipment used in America in the nineteenth and early twentieth centuries. The miniatures are authentic reproductions one-eighth actual size. Many of the wagons are displayed in recreated historical settings, including recorded sound effects of the era.

Reference works, photographs, and other research materials are available for study.

Museum hours: Monday through Saturday, 9:00 a.m. to 5:00 p.m. Sundays, 1:00 p.m. to 6:00 p.m.

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, a six-chair barber shop, a concessions stand, an information center, and a lost-and-found office.

Office of Student Services. Under the direction of the Dean of Students, the Office of Student Services is concerned with assisting and counseling students in all aspects of student life at the University. The Dean of Students is assisted by associate deans who specialize in the problems of men students, women students, graduate students, international students, student conduct, and in financial aids and graduate placement. The Office of Admissions, the Registrar's Office, and the University Counseling Center are also under the general direction of the Dean of Students.

Students are encouraged to call on the Dean of Students or on any of his associates 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 at any time.

Student Health Service. Through the Student Health Service the University strives to safeguard the health of its students. This is accomplished through health education, medical treatment of disease, and limited psychiatric and counseling services.

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 Service. 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 Service hours are 8:00 a.m. to 4:30 p.m., Monday through Friday.

Counseling Center. The University Counseling Center provides facilities for testing and counseling University students, to help them in making choices in their studies, and in solving academic and personal problems. Counseling and vocational testing services are available for students seeking career-planning assistance, personal problem-solving, marriage or premarriage counseling, reading-study improvement, and speech-hearing correction. The Counseling Center is open from 8:00 a.m. to 5:00 p.m., Monday through Friday.

University Placement Service. The University maintains a central Placement Service for the assistance of 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 as well as in education and the liberal arts.

Students who are enrolled in or have completed 12 hours of matriculated work at Oregon are eligible for graduate placement services. Initial placement services are extended without charge to students who have pursued uninterrupted study in residence at the University of Oregon. It is given without a fee to all undergraduates who complete their baccalaureate degrees. Alumni or graduate students who have been regularly employed or graduate students who did not receive their undergraduate training at the University of Oregon are subject to a \$5.00 fee.

The Placement Service is located in 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 or be certified by the Graduate School as carrying a full work load.

If you wish to have your local board informed that you are registered at the University in the summer, see the veterans' 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 might affect summer benefits. Undergraduates should bear in mind that, in the summer, federal benefits are based on clock (class) hours rather than on term hours of credit. Fourteen clock hours of classes per week is normally considered full-time enrollment for undergraduates.

Financial Aid. The University of Oregon has scholarships, loans, and part-time work available, 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.

Student Employment. The Student Employment Office, in cooperation with the Oregon State Employment Service, 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 on the second floor of Susan Campbell Hall.

International Student Adviser. A member of the staff of the Office of Student Services serves as a special adviser to 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.

Traffic and 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 Traffic and Security Office located in the Physical Plant. (Hours are from 8:00 a.m. to 5:00 p.m. Monday through Friday.)

Special Courses and Programs

Special courses, conferences, short seminars, workshops, and other courses of an intensive nature offered during the summer session are listed below.

Fees in addition to the usual charge of \$15.50 per credit hour may be charged for special courses. If an additional fee is charged, this will be indicated in the course description under INSTRUCTION.

Brochures are available for special courses marked (*). Brochures may be obtained by writing to the Summer Session Office.

Five-hundred-level courses carry graduate credit; 400-level courses designated (G) carry major graduate credit; 400-level courses designated (g) carry minor graduate credit.

Course descriptions may be found under INSTRUCTION.

- Anth 101. **General Anthropology (First Term)**. 3 hours. June 23-July 18.
Anth 102. **General Anthropology (Second Term)**. 3 hours. July 21-August 15.
Anth 103. **General Anthropology (Third Term)**. 3 hours. August 18-September 5.
Anth 414. **Race and Culture**. (G) 2 hours. July 21-August 15.
Art 311. **Art in the Elementary School (First Term)**. 2 hours. June 23-July 3.
Art 312. **Art in the Elementary School (Second Term)**. 2 hours. July 7-18.
*ArE 313. **Art in the Elementary School**. 3 hours. July 21-August 15.
*ArE 411. **Methods and Research Materials: Art in Elementary Schools**. (G) 3 hours. June 23-July 18 and July 21-August 15.
BEd 508. **Workshop: Current Trends in Office Practice**. 3 hours. June 23-July 3.
BEd 508. **Workshop: Data Processing**. 3 hours. July 7-July 18.
Bi 101. **General Biology (First Term)**. 4 hours. June 23-July 18.
Bi 102. **General Biology (Second Term)**. 4 hours. July 21-August 15.
Bi 103. **General Biology (Third Term)**. 4 hours. August 18-September 5.
*Bi 408. **Workshop: Pre-Mortem for People**. (G) 6 hours. July 21-August 8.
CL 50. **Beginning Greek (First Term)**. 4 hours. June 23-July 18.
CL 51. **Beginning Greek (Second Term)**. 4 hours. July 21-August 15.
CL 60. **First-Year Latin (First Term)**. 4 hours. June 23-July 18.
CL 61. **First-Year Latin (Second Term)**. 4 hours. July 21-August 15.
CL 62. **First-Year Latin (Third Term)**. 3 hours. August 18-September 5.
CSPA 321. **Public Administration Concepts (First Term)**. 3 hours. June 23-July 18.
CSPA 322. **Public Administration Concepts (Second Term)**. 3 hours. July 21-August 15.
*CSPA 408. **Workshop: Career Planning for the Mature Woman**. (g) 2 hours. August 18-22.
*CSPA 408. **Workshop: Career Planning for the Mature Woman**. (g) 2 hours. August 25-29.
CSPA 462. **Metropolitan Government (First Term)**. 3 hours. June 23-July 18.
CSPA 463. **Metropolitan Government (Second Term)**. 3 hours. July 21-August 15.
CSPA 465. **Administration of State and Local Government (First Term)**. 3 hours. June 23-July 18.
CSPA 466. **Administration of State and Local Government (Second Term)**. 3 hours. July 21-August 15.
Ec 464. **Quantitative Economic Analysis (First Term)**. 3 hours. June 23-July 18.

- Ec 465. **Quantitative Economic Analysis (Second Term)**. 3 hours. July 21-August 15.
- Ec 466. **Quantitative Economic Analysis (Third Term)**. 3 hours. August 18-September 5.
- Ed 407. **Seminar: Reading in the Elementary School**. 3 hours. June 23-July 18.
- Ed 407. **Seminar: Mathematics in the Elementary School**. 3 hours. July 21-August 15.
- Ed 507. **Seminar: Clinical Supervision**. 3 hours. June 23-July 18.
- Ed 509. **Practicum: Clinical Supervision**. 3 hours. June 23-July 18.
- Ed 574. **School Supervision**. 3 hours. July 21-August 15.
- Ed 408. **Workshop: Nutrition Education in Action**. (G) 3 hours. June 23- July 3.
- Ed 408. **Workshop: Socially and Culturally Deprived**. (G-I). August 12-30.
- Ed 508. **Workshop: Programmed Instruction: Theory, Techniques, and Materials**. 8 hours. June 23-July 18.
- Ed 508. **Workshop: Prescriptive Programming for the Learning-Disabled Child**. (G) 8 hours. June 23-July 18.
- Ed 508. **Workshop: Individual Reading Instruction**. 6 hours. June 23-July 18.
- Ed 508. **Workshop: Social Studies Programs**. 6 hours. June 23-July 18.
- Ed 508. **Workshop: Teaching New Science Programs**. 6 hours. June 23-July 18.
- Ed 508. **Workshop: Questioning Strategies**. 6 hours. July 21-August 15.
- Ed 508. **Workshop: Analysis of Teaching**. 6 hours. July 21-August 15.
- Ed 508 or ArE 508. **Workshop: Film as an Educational and Social-Change Agent**. 6 hours. July 21-August 15.
- Ed 508. **Workshop: Mathematics**. 6 hours. July 21-August 15.
- Ed 333. **Teaching Mathematics in Elementary Schools**. 3 hours. July 21-August 15.
- Ed 538. **Mathematics in the Elementary School**. 3 hours. June 23-July 18.
- Ed 427. **School Activities**. (G) 3 hours. July 21-August 15.
- Ed 484. **The Junior High School**. (G) 3 hours. June 23-July 18.
- Ed 507. **Seminar: Games and Simulations in Secondary School Social Studies**. 3 hours. July 21-August 15.
- *Ed 508. **Workshop: The Student Council**. 3 hours. August 18-29.
- Ed 585. **Instructional Practices in Secondary Schools**. 3 hours. June 23-July 18.
- Ed 596. **Methods in Secondary-School Social Studies**. 3 hours. June 23-July 18.
- Ed 407. **Seminar: Teaching Elementary School**. 3 hours. July 21-August 15.
- Ed 508. **Workshop: Teaching Elementary School or Teaching Secondary School**. 3 hours. June 16-20 and August 25-29.
- Ed 572. **Public-School Administration**. 3 hours. July 21-August 15.
- Ed 576. **School Buildings**. 3 hours. July 21- August 15.
- *Eng 407. **Seminar: Popular Music and Poetry**. (G) 4 hours. June 23-July 3.
- Eng 407. **Seminar: Social Insights of Literature**. (G) 2 hours. July 7-11.
- Geog 105. **Introductory Geography (First Term)**. 3 hours. June 23-July 18.
- Geog 106. **Introductory Geography (Second Term)**. 3 hours. July 21-August 15.
- Geog 107. **Introductory Geography (Third Term)**. 3 hours. August 18-September 5.
- Geog 201. **World Regional Geography (First Term)**. 3 hours. June 23-July 18.
- Geog 202. **World Regional Geography (Second Term)**. 3 hours. July 21-August 15.
- Geog 203. **World Regional Geography (Third Term)**. 3 hours. August 18-September 5.
- Geog 301. **Geography of Oregon**. 3 hours. June 23-July 18.
- Geog 302. **Geography of North America**. 3 hours. July 21-August 15.
- Geog 421 and 485. **Field Methods and Cartography (First Term)**. 6 hours. June 23-July 18.

- Geog 422 and 486. **Field Methods and Cartography (Second Term)**. 6 hours. July 21-August 15.
- Geog 435. **Urban Geography**. (G) 3 hours. June 23-July 18.
- Geog 471. **Geography of Europe**. 3 hours. August 18-September 5.
- Geog 491. **Cultural Geography**. (G) 3 hours. July 21-August 15.
- *Geog 508. **Workshop: The Geography Curriculum in the Public Schools**. 3 hours. June 23-July 18.
- *Geog 508. **Workshop: Visual Aids in Geograpy**. 3 hours. July 21-August 15.
- Geol 101. **General Geology (First Term)**. 4 hours. June 23-July 18.
- Geol 102. **General Geology (Second Term)**. 4 hours. July 21-August 15.
- Geol 103. **General Geology (Third Term)**. 4 hours. August 18-September 5.
- *Geol 408. **Workshop: Geology of Southeastern Oregon**. (g) 2 hours. June 16-21.
- Geol 455. **Studies in Physical Geology**. (g) 3 hours. June 23-July 18.
- GL 50. **First-Year German (First Term)**. 4 hours. June 23-July 18.
- GL 51. **First-Year German (Second Term)**. 4 hours. July 21-August 15.
- GL 52. **First-Year German (Third Term)**. 3 hours. August 18-September 5.
- GL 101. **Second-Year German (First Term)**. 4 hours. June 23-July 18.
- GL 102. **Second-Year German (Second Term)**. 4 hours. July 21-August 15.
- GL 103. **Second-Year German (Third Term)**. 3 hours. August 18-September 5.
- GL 320. **German for Reading Knowledge (First Term)**. 3 hours. June 23-July 18.
- GL 321. **German for Reading Knowledge (Second Term)**. 3 hours. July 21-August 15.
- GL 421. **German Literature of the Twentieth Century (First Term)**. 2 hours. June 23-July 18.
- GL 422. **German Literature of the Twentieth Century (Second Term)**. 2 hours. July 21-August 15.
- GL 423. **German Literature of the Twentieth Century (Third Term)**. 2 hours. August 18-September 5.
- *GL, RL 508. **Workshop: Methods and Materials for Teaching Modern Languages**. 6 hours. June 23-July 18.
- HEc 325. **Child Care**. 3 hours. July 21-August 15.
- HEc 430. **Personal and Family Finance**. 3 hours. June 23- July 18.
- J 455. **Methods of Teaching Journalism**. (G) 2 hours. June 23-July 18.
- Mus 507. **Seminar: Beethoven Piano Sonatas**. 2 hours. July 28-August 15.
- *Mus 408. **Workshop in Piano**. (G) 2 hours. July 28-August 15.
- MuE 407. **Seminar: Teaching Music Literature in the High School**. (G) 2 hours. June 23-July 18.
- *MuE 408. **Workshop: Teaching String Instruments**. (G) 2 hours. June 23-June 27.
- MuE 507. **Seminar: Elementary and Junior-High-School Music**. 2 hours. June 23-July 18.
- MuE 508. **Workshop: The Changing Music Curriculum**. 4 hours. July 21- August 1.
- MuE 537. **Comparative Music Pedagogy**. 3 hours. July 21-August 15.
- PS 407, 507. **Scope and Methods**. 5 hours. June 23-July 18 and July 21-August 15.
- Psy 212. **Perception**. 3 hours. June 23-July 18.
- Psy 214. **Motivation and Physiological Psychology**. 3 hours. July 21-August 15.
- Psy 215. **Social Psychology**. 3 hours. July 21-August 15.
- Psy 217. **Human Development and Individual Differences**. 3 hours. August 18-September 5.
- Psy 213. **Psychology Laboratory (First Term)**. 1 hour. June 23-July 18.
- Psy 216. **Psychology Laboratory (Second Term)**. 1 hour. July 21-August 15.

- Psy 219. **Psychology Laboratory (Third Term)**. 1 hour. August 18-September 5.
- *PE 408. **Workshop: Institute in Secondary-School and College Physical Education**. 1-6 hours. June 23-July 11.
- *PE 408, 508. **Workshop: Teaching in Aquatics**. 2 hours. June 16-20.
- PE 506. **Special Problems: Institute in Elementary-School Physical Education**. 9 hours. July 7-August 15.
- *PE 408, 508. **Workshop: Elementary-School Physical Education**. 3 hours. August 3-9.
- *HE 408, 508. **Workshop: Smoking and Disease**. 2 hours. June 16-20.
- *RM 408, 508. **Workshop: Outdoor Recreation and Camping**. 2-3 hours. June 16-20.
- *PE 406. **Coaching Clinic**. 1-2 hours. June 16-20.
- PE 507. **Seminar: Scientific Bases of Physical Education**. 3 hours. July 7-August 15.
- PE 507. **Seminar: Sociological Bases of Physical Education**. 3 hours. July 7-August 15.
- RL 50. **First-Year French (First Term)**. 4 hours. June 23-July 18.
- RL 51. **First-Year French (Second Term)**. 4 hours. July 21-August 15.
- RL 52. **First-Year French (Third Term)**. 3 hours. August 18-September 5.
- RL 101. **Second-Year French (First Term)**. 4 hours. June 23-July 18.
- RL 102. **Second-Year French (Second Term)**. 4 hours. July 21-August 15.
- RL 103. **Second-Year French (Third Term)**. 3 hours. August 18-September 5.
- RL 70. **First-Year Italian (First Term)**. 4 hours. June 23-July 18.
- RL 71. **First-Year Italian (Second Term)**. 4 hours. July 21-August 15.
- RL 72. **First-Year Italian (Third Term)**. 3 hours. August 18-September 5.
- RL 104. **Second-Year Italian (First Term)**. 4 hours. June 23-July 18.
- RL 105. **Second-Year Italian (Second Term)**. 4 hours. July 21-August 15.
- RL 60. **First-Year Spanish (First Term)**. 4 hours. June 23-July 18.
- RL 61. **First-Year Spanish (Second Term)**. 4 hours. July 21-August 15.
- RL 62. **First-Year Spanish (Third Term)**. 3 hours. August 18-September 5.
- RL 107. **Second-Year Spanish (First Term)**. 4 hours. June 23-July 18.
- RL 108. **Second-Year Spanish (Second Term)**. 4 hours. July 21-August 15.
- RL 109. **Second-Year Spanish (Third Term)**. 3 hours. August 18-September 5.
- SL 50. **First-Year Russian (First Term)**. 4 hours. June 23-July 18.
- SL 51. **First-Year Russian (Second Term)**. 4 hours. July 21-August 15.
- SL 52. **First-Year Russian (Third Term)**. 4 hours. August 18-September 5.
- Soc 204. **General Sociology (First Term)**. 3 hours. June 23-July 18.
- Soc 205. **General Sociology (Second Term)**. 3 hours. July 21-August 15.
- Soc 206. **General Sociology (Third Term)**. 3 hours. August 18-September 5.
- Soc 311. **Introduction to Social Research**. 3 hours. August 18-September 5.
- Soc 490. **Sociology of Leisure**. (G) 3 hours. June 23-July 18.
- *Sp 508. **Workshop: Educational Television**. 4 hours. June 16-27.

Instruction

Anthropology

Associate Professors : DUMOND, SIMONDS.

Assistant Professor : AIKENS.

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

First term : man as a living organism ; biological evolution ; fossil man. Second term : prehistoric cultures. Third term : organization and functioning of culture. Simonds.

Anth 101. *General Anthropology (First Term)*. 3 hours.

First four weeks, June 23-July 18.

Anth 102. *General Anthropology (Second Term)*. 3 hours.

Second four weeks, July 21-August 15.

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

Three weeks, August 18-September 5.

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

Eight-week session. Introduction to archaeological field techniques by excavation of local sites ; lectures and laboratory in techniques ; lectures and readings in Northwest prehistory. Aikens.

Anth 414. **Race and Culture.** (G) 2 hours.

Second four weeks, July 21-August 15. Racial classifications ; the biological base of culture ; attitudes toward race in human relations. Simonds.

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

Eight-week session.

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

Eight-week session.

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

Eight-week session.

Anth 507. **Seminar : Scope and Methods of the Social Sciences.** 3-6 hours.

Eight-week session. Background and perspectives of the social science disciplines—anthropology, economics, political science, psychology, and sociology. Selected aspects of social organization and process considered in detail. Dumond.

Architecture and Allied Arts

Professors : BALLINGER, BURGNER.

Associate Professors : DOLE, FOSTER, JAMES, KENSLER, KLEINSASSER, LAWRENCE, NIXON, RYAN, SOEDER.

Assistant Professors : FAWKES, FINROW, GILLHAM, GURAN, HAVENS, MILLER, PAULIN, PETING.

Instructors : LOVANO, ROY, SMITH.

Applied Design

Art 255. **Ceramics.** 2-3 hours.

Eight-week session. Introduction to ceramic techniques and materials : throwing, molding, and hand building ; surface decoration of two- and three-dimen-

tional surfaces. Students participate in stacking, firing, and drawing the kiln. Open to nonmajors. James.

Art 256. Beginning Weaving. 2-3 hours.

Eight-week session. Introduction to basic weaving techniques; the dressing, care, and manipulation of several types of looms; experimentation with a wide variety of fibers; production of textiles of original design on four- and ten-harness looms. Nixon.

Art 257. Jewelry and Metalsmith. 2-3 hours.

Eight-week session. The handworking of nonferrous metals—cooper, brass, pewter, silver, and gold. Development of design for metal objects; enameling on metal; centrifuge casting. Nixon.

Art 401. Special Studies. Hours to be arranged.

Eight-week session.

Art 401. Special Studies: Ceramics. Hours to be arranged.

Eight-week session. Prerequisite: consent of instructor. James.

Art 405. Reading and Conference. Hours to be arranged.

Eight-week session.

Art 455. Advanced Ceramics. (G) 2-3 hours.

Eight-week session. Advanced studio work; individual projects; emphasis on creative form. Study of material, texture, and functional relationships; body and glaze making; earthenware, stoneware, and porcelain; kiln atmosphere and effects on body glaze. Students assume responsibility for firing their own works. Prerequisite: 6 hours of Art 255. James.

Art 456. Advanced Weaving. (G) 2-3 hours.

Eight-week session. Emphasis on creative work. Production of a wide variety of handwoven fabrics; historical studies; fabric analysis, spinning, and dyeing. Nixon.

Art 457. Advanced Jewelry and Metalsmith. (G) 2-3 hours.

Eight-week session. Emphasis on creative work. Advanced problems of forging, centrifuge casting, enameling, etching, and repoussé. Nixon.

Art 501. Special Studies. Hours to be arranged.

Eight-week session.

Art 501. Special Studies: Ceramics. Hours to be arranged.

Eight-week session. Prerequisite: consent of instructor. James.

Art 505. Reading and Conference. Hours to be arranged.

Eight-week session.

Art 509. Terminal Project. Hours to be arranged.

Eight-week session.

Architecture

Arch 287. Design Studio II. 3 hours.

Eight-week session. No-grade course. Offered only for students needing, at most, one term of credit in Arch 287. Prerequisite: consent of instructor. Kleinsasser.

Arch 387. Architectural Design. 4-6 hours.

Eight-week session. No-grade course. Offered only for students needing, at most, one term of credit in Arch 387. Prerequisite: consent of instructor. Guran.

Arch 401. Special Studies. Hours to be arranged.

Eight-week session. Peting.

Arch 487. Architectural Design. 5-6 hours.

Eight-week session. No-grade course. Offered only for students needing, at

most, one term of credit in Arch 487. Prerequisite: consent of instructor. Finrow.

Arch 501. **Special Studies.** Hours to be arranged.

Eight-week session.

Arch 509. **Graduate Terminal Project.** Hours to be arranged.

Eight-week session. Open only to master's degree candidates.

Arch 587. **Architectural Design.** 6 hours.

Eight-week session. No-grade course. Offered only for students nearing completion of undergraduate terminal project. Prerequisite: consent of instructor. Dole.

Art Education

Art 311, 312. **Art in the Elementary School.** 2 hours each term.

Introduction to the visual arts through laboratory experiences; design, drawing, painting, and other two-dimensional activities with materials appropriate for the primary and secondary school child; lectures, group discussions, evaluations, studio work. Second term: continuation of art experiences for the elementary school child with emphasis on three-dimensional form. Burgner.

Art 311. *Art in the Elementary School (First Term).* 2 hours.

First two weeks, June 23-July 3.

Art 312. *Art in the Elementary School (Second Term).* 2 hours.

Second two weeks, July 7-July 18. Prerequisite: Art 311.

ArE 313. **Art in the Elementary School.** 3 hours.

Second four weeks, July 21-August 15. Critical examination of individual and group activities currently offered in the elementary school art program; lectures, curriculum design, evaluation of process and technique; literature in the field. Satisfies the Oregon State Department of Education methods-course requirement. Prerequisite: Art 311, 312, or consent of instructor. Burgner.

ArE 401. **Special Studies.** Hours to be arranged.

Eight-week session.

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

Eight-week session.

ArE 407. **Seminar: Art Criticism in Art Education.** 2-3 hours.

Eight-week session. Paulin.

ArE 409. **Practicum.** (g) 3 hours.

First six weeks, June 23-August 1. Practicum experience provided with use of creative activities as problem solving opportunities for the mentally retarded child; laboratory experience with art and craft materials. Ballinger.

ArE 411. **Methods and Research Materials: Art in Elementary Schools.** (G) 3 hours.

First four weeks, two sections, June 23-July 18. Second four weeks, one section, July 21-August 15. The effective rise of ideas and materials in creating activities, research methods, and current literature in the field. Prerequisite: one year's teaching experience or academic work in the visual arts. First four weeks—Ballinger, Lovano. Second four weeks—Lovano.

ArE 501. **Special Studies.** Hours to be arranged.

Eight-week session. First four weeks, June 23-July 18. Second four weeks, July 21-August 15.

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

Eight-week session. First four weeks, June 23-July 18. Second four weeks, July 21-August 15.

- ArE 507. **Seminar: Art Criticism in Art Education.** 2-3 hours.
Eight-week session. Paulin.
- ArE 507. **Seminar: Advanced Curriculum Development in Art.** 3 hours.
Eight-week session. Kensler.
- ArE 507. **Seminar: Teaching Art to the Disadvantaged.** 3 hours.
Eight-week session. Smith.
- ArE 507. **Seminar: Film as a Social and Educational Change Agent.** 6 hours.
Second four weeks, July 21-August 15. Ferrington, Tucker.

Art History

- ArH 204. **History of Western Art.** 3 hours.
Eight-week session. An historical survey of the visual arts from prehistoric to modern times. Selected works of painting, sculpture, architecture, and other arts are studied in relation to the cultures producing them. Designed for nonmajor students. This is the first term of the sequence. Lawrence.
- ArH 401. **Special Studies.** Hours to be arranged.
Eight-week session.
- ArH 405. **Reading and Conference.** Hours to be arranged.
Eight-week session.
- ArH 407. **Seminar: The Classical Tradition in Western Art.** 3 hours.
Eight-week session. The recurrences in western art of the formal vocabulary, the subject matter, and the aesthetic biases of classical art will be compared and contrasted, always with reference to the criteria for classical art established in Greek art of the fifth century B.C. Prerequisite: consent of instructor. Lawrence.
- ArH 501. **Special Studies.** Hours to be arranged.
Eight-week session.
- ArH 503. **Thesis.** Hours to be arranged.
Eight-week session. No-grade course.
- ArH 505. **Reading and Conference.** Hours to be arranged.
Eight-week session.
- ArH 507. **Seminar: The Classical Tradition in Western Art.** 3 hours.
Eight-week session. The recurrences in Western art of the formal vocabulary, the subject matter, and the aesthetic biases of classical art will be compared and contrasted, always with reference to the criteria for classical art established in Greek art of the fifth century B.C. Prerequisite: consent of instructor. Lawrence.

Drawing and Painting

- Art 290. **Painting.** 2-3 hours.
Eight-week session. Instruction in the use of oil color, water color, and other media. Two sections. Fawkes, Miller.
- Art 291. **Drawing.** 1-3 hours.
Eight-week session. Training in observation and selection of significant elements. Three sections. Fawkes, Foster.
- Art 349. **Fundamentals of Printmaking.** 3 hours.
Eight-week session. Graphic reproduction and print techniques in silk screen, block printing, and photographic processes. Two sections. Miller.
- Art 392. **Composition and Visual Theory.** 2-4 hours.
Eight-week session. Light, color, and design as they relate to painting prob-

lems; relationship of painting to architecture; mural design and other problems. Ryan.

Art 401. Special Studies. Hours to be arranged.
Eight-week session.

Art 405. Reading and Conference. Hours to be arranged.
Eight-week session.

Art 490. Advanced Painting. (g) 2-4 hours.
Eight-week session. Advanced problems in portrait figure, landscape, and still life, in all media. Prerequisite: 12 hours in Art 290 or Art 390. (visitor).

Art 491. Advanced Drawing. (g) 1-4 hours.
Eight-week session. Advanced work in drawing. Study of form from the figure. Prerequisite: 6 hours in Art 291 or Art 391. Ryan.

Art 492. Composition and Visual Theory. (G) 2-4 hours.
Eight-week session. A study of light, color, and visual processes as they relate to easel and mural painting. Ryan.

Art 495. Cinemagraphics. (G) 2-4 hours.
Eight-week session. Study of moving imagery, both diagrammatic and photographic; use of film in visual communication. Prerequisite: Art 492 or Art 493. Foster.

Art 501. Special Studies. Hours to be arranged.
Eight-week session.

Art 501. Special Studies: Advanced Printmaking. Hours to be arranged.
Eight-week session. Miller.

Art 505. Reading and Conference. Hours to be arranged.
Eight-week session.

Art 509. Terminal Creative Project. Hours to be arranged.
Eight-week session.

Art 590. Studies in Painting. Hours to be arranged.
Eight-week session. (visitor).

Art 591. Studies in Drawing. Hours to be arranged.
Eight-week session. Soeder.

Art 592. Studies in Visual Theory and Design. Hours to be arranged.
Eight-week session. Ryan.

Landscape Architecture

LA 401. Special Studies. Hours to be arranged.
Eight-week session.

LA 405. Reading and Conference. Hours to be arranged.
Eight-week session.

LA 489. Landscape Design. 4-6 hours.
Eight-week session. No-grade course. A series of advanced problems in landscape architecture. Prerequisite: consent of instructor. Minimum registration: 4 term hours. Gillham, Havens.

LA 589. Landscape Design. 6-8 hours.
Eight-week session. No-grade course. Landscape-design problems of increasing complexity. Prerequisite: consent of instructor. Minimum registration: 6 term hours. Gillham, Havens.

Sculpture

Art 293. **Elementary Sculpture.** 2-4 hours.

Eight-week session. Introduction to materials. Elementary considerations of forms; technical and compositional exercises in clay, plaster, wood, and stone. Open to nonmajors. Roy.

Art 393. **Techniques of Sculpture.** 2-4 hours.

Eight-week session. Modeling problems in portraiture, figure study, and group composition. Technical and aesthetic considerations of the several sculptural media. Roy.

Art 401. **Special Studies.** Hours to be arranged.

Eight-week session.

Art 494. **Advanced Sculpture.** (G) 2-4 hours.

Eight-week session. Coordination of sculpture with related fields of architectural, landscape, interior, and industrial design.

Art 501. **Special Studies.** Hours to be arranged.

Eight-week session.

Art 509. **Terminal Project.** Hours to be arranged.

Eight-week session.

Biology

Visiting Faculty : BECKING, BEEKS, JENSEN, JOHNSON.

Professor : RISLEY.

Instructors : KARPOFF, 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. Jensen.

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

First four weeks, June 23-July 18.

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

Second four weeks, July 21-August 15.

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

Three weeks, August 18-September 5.

Bi 356. **Vertebrate Embryology.** 4 hours.

Eight-week session. Fertilization, morphogenesis, and differentiation of organ systems of vertebrates. (Secondary teachers may enroll in Bi 596.) Risley.

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

Eight-week session.

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

Eight-week session.

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

Eight-week session.

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

Eight-week session.

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

Eight-week session.

Bi 408. Workshop: Pre-Mortem for People. (G) 6 hours.

Three weeks, July 21-August 8. A workshop in understanding environmental problems facing mankind and threatening his existence. It is planned to help participants by providing a short course in ecological principles at understandable levels, followed by integrated treatments of environmental deterioration, possible long-term effects, and proposals for the future. A number of experienced people and agencies will be called upon to present ideas, and field trips will be used to support knowledge gained. Advance registration required by June 15. Fees in addition to tuition will be approximately \$40 per participant for transportation. Wisner.

Bi 426. Evolution. (G) 3 hours.

Eight-week session. Theories of biological variation, race, and species formation. Beeks.

Bi 439. Field Botany. (G) 4 hours.

Eight-week session. Field and laboratory experience in collection and study of higher plants. Field trips to representative Oregon plant communities. Becking.

Bi 440. Biology of Vascular Plants. (G) 5 hours.

Eight-week session. Morphology, anatomy, and evolution of ferns, fern allies, and seed plants. Johnson.

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

Eight-week session. Designed especially for biology teachers in secondary schools. Field collection, identification and culturing of living material, utilization of this material in the biology teaching laboratory. Field trips for exploration of various kinds of habitats in the Pacific Northwest. Murphy.

Bi 495. History of Biological Ideas. (G) 3 hours.

Eight-week session. Lectures, readings, and discussion of the historical origin and present status of leading biological ideas, and the contribution of biological thought to contemporary culture. Beeks.

Bi 501. Research. Hours to be arranged.

Eight-week session.

Bi 503. Thesis. Hours to be arranged.

Eight-week session.

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

Eight-week session.

Bi 507. Seminar. Hours to be arranged.

Eight-week session.

Bi 523. Principles of Electron Microscopy. 2-4 hours.

Eight-week session. Theory and application of techniques for fixation, embedding, microscope operation, negative and positive staining, and metal shadowing. Karpoff.

Bi 596. Survey of Embryology. 4 hours.

Eight-week session. Gametogenesis, fertilization, and development of the vertebrate body plan and its organology, as illustrated by amphibian and chick embryos; more limited use of invertebrates and mammals. Study of preparations, supplemented by living material. (Enrollment restricted to high-school teachers.) Risley.

Oregon Institute of Marine Biology

Visiting Faculty: CATHER, OGLESBY.

Associate Professor: McCONNAUGHEY.

Assistant Professors: MOBERLY, RUDY.

The following courses will be offered 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 Acting Director, Oregon Institute of Marine Biology, Charleston, Oregon 97420.

An application, available with the announcement, must be submitted by May 1 in order to enroll at this institute.

Bi 461, 462. **Invertebrate Zoology.** (G) 4 hours each term.

Eight-week session. Survey of representative invertebrate groups with emphasis on marine forms. Morphology, systematics, life history, and ecology. Oglesby.

Bi 461. *Invertebrate Zoology (First Term).* 4 hours.

First four weeks, June 23-July 18.

Bi 462. *Invertebrate Zoology (Second Term).* 4 hours.

Second four weeks, July 21-August 15.

Bi 482. **Experimental Invertebrate Embryology.** (G) 4 hours.

Eight-week session. Investigation of the methods of development of the major invertebrate phyla with emphasis on classical experimental techniques as the foundation for modern developmental biology. Prerequisite: Bi 461, 462 or consent of instructor. Cather.

Bi 491. **Comparative Physiology.** (G) 4 hours.

Eight-week session. Discussion of feeding, digestion, metabolism, respiration, circulation, water and salt balance, excretion, and coordination among the major animal groups. Prerequisite: college zoology and elementary chemistry; invertebrate zoology and quantitative analysis recommended. Moberly.

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

Eight-week session.

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

Eight-week session.

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

Eight-week session.

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

Eight-week session.

Business Administration

Visiting Faculty: JOHNSON.

Professors: BEAL, LINDHOLM.

Associate Professors: LUNESKI, RAMSING, ROSS, SHAFFER, SMITH, SOHA.

Assistant Professors: ANDERSON, GRANT, PARKS, RICHARDS, SWADENER.

Accounting and Business Statistics

Ac 221. **Financial Accounting.** 3 hours.

Eight-week session. Description and derivation of the major financial statements prepared by accountants; the accounting rationale; primary emphasis on reports to stockholders and other investors. Intended both as an introduction to other courses and as a one-term terminal course in financial accounting. Prerequisite: sophomore standing. Soha.

Ac 313. **Managerial Accounting.** 3 hours.

Eight-week session. Introduction to the development, presentation, and interpretation of accounting data to aid management in planning and controlling operations. Prerequisite: Ac 221. Luneski.

- Ac 501. **Research.** Hours to be arranged.
Eight-week session.
- Ac 503. **Thesis.** Hours to be arranged.
Eight-week session.
- Ac 507. **Seminar.** Hours to be arranged.
Eight-week session.
- Ac 511. **Accounting in Administration.** (p) 3 hours.
Eight-week session. Accelerated introduction to principles and procedures of accounting and the use of accounting data as a basis for business decisions; intensive survey of the data-creating process followed by study of asset valuation, income measurement, cost analysis and control, and budgeting. Open only to graduate students who have not completed a college-level course in accounting. Soha.
- BS 232. **Introduction to Business Statistics.** 3 hours.
Eleven-week session. Elementary statistics as a tool for business decision making. Primary emphasis on elements of probability and introductory applications of statistical inference to business situations. Prerequisite: Mth 106 or Mth 109. Richards.
- BS 501. **Research.** Hours to be arranged.
Eight-week session.
- BS 503. **Thesis.** Hours to be arranged.
Eight-week session.
- BS 507. **Seminar.** Hours to be arranged.
Eight-week session.
- BS 511. **Statistics for Business Decisions.** (p) 3 hours.
Eleven-week session. Accelerated study of business statistics; decision theory applications in business; probability, estimation, hypothesis testing, uses of subjective probability, introduction to regression analysis. Open only to graduate students who have not completed BS 232, BS 333 or equivalent. Prerequisite: one year of college mathematics. Richards.

Finance and Business Environment

- FBE 226. **Introduction to Law.** 3 hours.
Eight-week session. Forms and functions of the law in society. Examination of the American legal environment; structure of the courts; trial and appellate procedure; origin of rules; methods of legal reasoning; roles of trial participants. Emphasis on the law of contracts, including appropriate references to the Uniform Commercial Code. Ross.
- FBE 320. **Financial Institutions.** 3 hours.
Eight-week session. Study of the commercial banking system. Survey of monetary policy and its relationship to individual banks and the banking system; analysis of the nature and functions of money and credit and the interrelationship of money, credit, and the price level; analysis of the sources and uses of funds by financial institutions; the economic role of these institutions.
- FBE 322. **Financial Management.** 3 hours.
Eight-week session. Policies and practices required to plan and control the sources and uses of a firm's funds; emphasis on formulation, implementation, and modification of corporate financial policies; management of liquid assets; selection from alternative investment opportunities; funds acquisition; dividend policies; determination of the optimal debt-equity mix. Economic, accounting, and statistical tools and concepts studied and related to the decision-making process. Prerequisite: Ac 313.

FBE 326. Law of Business Organization. 3 hours.

Eight-week session. The law of agency; the master-servant relationship, including elementary labor law; the law of business organizations, including corporations, partnerships, and other forms of business association; applications of the Uniform Commercial Code to investment securities. Prerequisite: FBE 226, Grant.

FBE 363. Introduction to Investments. 3 hours.

Eight-week session. Study of different types of bonds and stocks; various investment risks; securities market and market fluctuations; appraisal of the economy and industries; investment analysis of corporations and appraisal of their securities. Prerequisite: Ac 313, FBE 320, FBE 322.

FBE 407. Seminar. 3 hours.

Eight-week session.

FBE 501. Research. Hours to be arranged.

Eight-week session.

FBE 503. Thesis. Hours to be arranged.

Eight-week session.

FBE 507. Seminar. Hours to be arranged.

Eight-week session.

FBE 516. Financial Management. (p) 3 hours.

Eight-week session. Objectives, tools, methods, and problems of financial management from the viewpoint of the firm; special problems, including funds acquisition, dividend policy, capital acquisitions, taxes, mergers, forecasting, and investment banking. Parks.

FBE 540. Problems in Finance. 3 hours.

Eight-week session. Finance function and its relationship to the firm's objectives; asset valuation; profit analysis; choice of capital acquisitions under uncertainty; the influence of the capital structure, dividend policy, and growth on the cost of capital; maximization of stock value; cash-flow models of the firm; decision rules for controlling investment in receivable and inventories. Parks.

Marketing, Insurance, and Transportation**MIT 322. Introduction to Real Estate.** 3 hours.

Eight-week session. Real-estate principles and practices, with special emphasis on urban land-use analysis; nature of real property and property rights; organization of the real-estate industry and real-estate markets; the urban spatial structure and location analysis; land-use competition; management of real properties; subdivision and land development; real-estate financing; the impact of government policies upon the real-estate industry.

MIT 323. Marketing Systems and Demand Analysis. 3 hours.

Eight-week session. The dynamics of demand; economic and behavioral approaches to the analysis of demand; purchase motivations—consumer versus industrial; flows of goods and services; nature of marketing institutions.

MIT 341. Analysis of Consumer Behavior. 3 hours.

Eight-week session. The consumer-firm relationship analyzed through the application of concepts drawn from contemporary behavioral science to concrete business cases and practices; role theory, theories of attitude, change, and principles of perception given primary emphasis; analysis directed to advertising, display, layout, packaging, design of retail establishments, interpersonal relations of consumer and seller, and business "image." Prerequisite: Psy 201, 202, or Soc 204, 205, 206; Soc 300 or one 3-hour upper-division course in sociology; or consent of instructor. Smith.

MIT 354. Risk and Insurance. 3 hours.

Eight-week session. Introduction to the basic principles of insurance from

the viewpoint of the consumer; risk and risk bearing; ways of handling risk; insurance as a device to handle risk; principles of insurance buying, including carrier and agency selection; major types of private insurance—life, property, and liability—with emphasis on the underlying economic problems each type is designed to meet; the insurance contract and its legal basis, with emphasis on the elements common to all insurance contracts; economic and historical significance of insurance; insurance regulation. Swadener.

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

Eight-week session.

MIT 407. **Seminar: Sales Forecasting.** 3 hours.

Eight-week session. Analysis of data for forecasting sales and related variables in the business firm. Topics include development of models, computational techniques (including the computer), criteria of performance of a forecasting model, and sources and forms of data. Prerequisites: MIT 323, BS 333, Mth 106, or consent of instructor. Swadener.

MIT 407. **Seminar: Economic, Cultural, and Political Factors in Retirement Security.** 3 hours.

Eight-week session. Changing patterns of age compensation; interrelationship with economic and social factors in old age security; development of private pension movement; individual investment and insurance and development of security programs; integration of social security and group plans. National policies for aged in Germany, Great Britain, and U.S.S.R. Greene, Hanhardt.

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

Eight-week session.

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

Eight-week session.

MIT 507. **Seminar: Economic, Cultural, and Political Factors in Retirement Security.** 3 hours.

Eight-week session. For description, see MIT 407. Greene, Hanhardt.

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

Eight-week session.

MIT 511. **Administration of the Marketing Function.** (p) 3 hours.

Eight-week session. Environment of marketing decisions; design of a marketing program; nature and behavior of markets; marketing planning; product, channel, pricing, and promotion decisions; marketing and the law; evaluating marketing efficiency.

MIT 562. **Marketing Communications.** 3 hours.

Eight-week session. Analysis of the environmental conditions that enhance or inhibit the firms' attempt to design and use the most effective communication for demand cultivation. Prerequisite: MIT 561. Not open to students who have taken MIT 341. Smith.

Personnel and Industrial Management

PIM 321. **Organization and Interpersonal Relations.** 3 hours.

Eight-week session. Principles of management applied to commercial and industrial concerns; business planning, policy formulation, establishment of procedures, operations; theory and design of organizational structure; impact of work-flow plans, leadership patterns, and control systems upon human behavior. Ramsing.

PIM 329. **Production Management.** 3 hours.

Eight-week session. Survey of planning, operations, and control of mass-production manufacturing; procurement, handling, and control of materials and control of quantity and quality. Ways of setting standards and improving methods; use of motion and time study; automation and automatic processing equipment. Supervision of operating employees and personnel relations as

they affect production work. Emphasis on principles and relationships rather than specific techniques. Laboratory sessions (including field trips) illustrate selected methods, techniques, and management tools. Shaffer.

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

Eight-week session.

PIM 412. **Personnel Management.** (g) 3 hours.

Eight-week session. Personnel management in the modern business organization; personnel policies and practices conducive to good relations with employees; personnel problems of small organizations. Beal.

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

Eight-week session.

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

Eight-week session.

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

Eight-week session.

PIM 511. **Industrial Administration.** (p) 3 hours.

Eight-week session. Concepts and techniques basic to sound industrial administration; scientific management, technological change, organization structure and dynamics, decision making; techniques of production control, work measurement, statistical quality control, newer quantitative tools such as linear programming. Case studies. Shaffer.

PIM 531. **Theory of Business Organization.** 3 hours.

Eight-week session. The role of theory in the social sciences; research and theory dealing with organizational structure, leadership, communication, evaluation, decision making, control; an attempt to integrate traditional and behavioral science approaches to organization and organizational behavior. Beal.

Business Education and Secretarial Science

BEd 507. **Seminar: The Business Education Curriculum.** 3 hours.

Eight-week session. The business education curriculum at the junior-high-school, high-school, junior-college, and college levels; problems and issues affecting business-education curriculum development; prospective developments. Emphasis will depend on interests of students enrolled. Anderson.

BEd 508. **Workshop: Current Trends in Office Practice.** 3 hours.

First two weeks, June 23-July 3. A study of the subject matter, skill development, and integration aspects of office practice; special emphasis will be placed on office simulation. Johnson.

BEd 508. **Workshop: Data Processing.** 3 hours.

Second two weeks, July 7-July 18. A presentation of basic data processing concepts and vocabulary; emphasis on ideas and implications for inclusion of data processing as a part of the curriculum; familiarity with new teaching materials.

Chemistry

Senior Instructor: POND.

Ch 320. **Elementary Quantitative Analysis.** 5 hours.

Eight-week session. Lectures on fundamentals of quantitative analysis; laboratory work devoted mainly to volumetric analysis. Intended to satisfy the needs of secondary teachers and others not intending to major in chemistry.

- Ch 401, 501. **Research.** Hours to be arranged.
Eight-week session.
- Ch 403, 503. **Thesis.** Hours to be arranged.
Eight-week session.
- Ch 405, 505. **Reading and Conference.** Hours to be arranged.
Eight-week session.
- Ch 409. **Special Laboratory Problems.** (G) Hours to be arranged.
Eight-week session. Students wishing laboratory instruction not classifiable as research or thesis may enroll under this number.
- Ch 429. **Survey of Analytical Chemistry.** (g) 5 hours.
Eight-week session. Lectures on fundamentals of quantitative analysis; laboratory work devoted mainly to volumetric analysis. Intended to satisfy the needs of secondary teachers and others not intending to major in chemistry.
- Ch 439. **Survey of Organic Chemistry.** (g) 5 hours.
Eight-week session. Lectures on fundamental principles of organic chemistry and types of organic reactions; laboratory work on representative procedures. Intended for teachers of science in secondary schools and others not majoring in chemistry.

Classics

Professor : COMBELLACK.

Associate Professor : PASCAL.

Assistant Professor : SHUCARD.

Assistant : POWERS.

- CL 50, 51. **Beginning Greek.** 4 hours each term.
The fundamentals of the Attic Greek language. Shucard.
- CL 50. *Beginning Greek (First Term).* 4 hours.
First four weeks, June 23-July 18.
- CL 51. *Beginning Greek (Second Term).* 4 hours.
Second four weeks, July 21-August 15.
- CL 52. **Introduction to Xenophon.** 3 hours.
Eight-week session. Reading of the first four books of Xenophon's *Anabasis*. Shucard.
- 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. Powers.
- CL 60. *First-Year Latin (First Term).* 4 hours.
First four weeks, June 23-July 18.
- CL 61. *First-Year Latin (Second Term).* 4 hours.
Second four weeks, July 21-August 15.
- CL 62. *First-Year Latin (Third Term).* 3 hours.
Three weeks, August 18-September 5.
- CL 405. **Reading and Conference.** (G) Hours to be arranged.
Eight-week session.
- AL 407. **Seminar: The Troy Story.** (g) 3 hours.
Eight-week session. Study of selected works (in translation), mainly epic and drama, of Greek and Latin literature dealing with the Troy story, and some consideration of the story as it appears in mediaeval, Renaissance, and modern literatures. Combellack.

- CL 503. **Thesis.** Hours to be arranged.
Eight-week session.
- CL 505. **Reading and Conference.** Hours to be arranged.
Eight-week session.
- AL 507. **Seminar: Mythology and Literature.** 3 hours.
Eight-week session. The main Greek myths as they appear in ancient literature and as they reappear in modern literary works. Combellack.
- CL 508. **Latin Seminar.** 3 hours.
Eight-week session. Reading of Latin authors chosen to suit the special needs and interests of teachers. Pascal.
- CL 514. **Studies in Latin Literature.** 3 hours.
Eight-week session. Intensive study of Augustan elegy, with special attention to literary problems. Pascal.

Community Service and Public Affairs

Professors: RODNEY, THURBER.

Associate Professors: E. BREWER, BRODIE, R. COLLINS, GREENE, ROUSSEVE.

Adjunct Associate Professor: ETTER.

Assistant Professors: J. COLLINS, HANHARDT, JANZEN, JENSEN, J. MOURSUND, D. RAY, VIEGAS.

Adjunct Assistant Professor: SALTVEIT.

Instructors: BARTSCH, MILLER, ZUG.

The School of Community Service and Public Affairs (CSPA) was established as a professional school in 1967 to prepare students for various careers in community service and public affairs. The four-year program leading to a Bachelor of Arts or Bachelor of Science degree is based on a broad liberal arts education plus specialized courses offered by CSPA or other departments or schools within the University. CSPA currently offers the following majors with various specializations or individualized courses of study available within these programs: general community service and public affairs major; community service; public affairs and administration; international development; leisure time and cultural services administration.

CSPA programs include a combination of classroom instruction, field observation, and supervised field study. Most CSPA courses are also available to non-CSPA majors. Any course may be taken on an ungraded (pass/no-pass) basis. CSPA advisers are available to any student prior to registration. Requests for supervised field study for Summer Session must be received prior to June 1. Students wishing information about CSPA instructional programs are urged to request a CSPA Advising Guide and consider consulting with a CSPA adviser.

CSPA 221. **Social Issues and Policies.** 2-3 hours.

Eight-week session. An introduction to the major socio-economic trends in American society, the social problems associated with these trends, and the public policy issues raised by these problems. A broad overview of issues and policies which serve as a framework for the more specialized courses on problems and programs in the CSPA curriculum. Viegas.

CSPA 225, 226. **Career Analysis.** 2 hours each term.

Examination of personal and environmental factors influencing career choice; survey of careers related to community service and public affairs; considera-

- tions in future career planning. Includes small group discussions and visits to community agencies and organizations. Ray, Bartsch.
- CSPA 225. *Career Analysis (First Term)*. 2 hours.
First four weeks, June 23-July 18.
- CSPA 226. *Career Analysis (Second Term)*. 2 hours.
Second four weeks, July 21-August 15.
- CSPA 321, 322. **Public Administration Concepts**. 3 hours each term.
An introductory course designed to provide an understanding of concepts, processes and methods involved in the administration of public agencies and institutions. Saltveit.
- CSPA 321. *Public Administration Concepts (First Term)*. 3 hours.
First four weeks, June 23-July 18.
- CSPA 322. *Public Administration Concepts (Second Term)*. 3 hours.
Second four weeks, July 21-August 15.
- CSPA 323. **Strategies of Intervention**. 3-5 hours.
Eight-week session. Basic principles of a generic problem-solving process; individual interaction, small group, organizational, and community functioning in a problem-solving process. Principles of problem-solving applied to individuals, small groups, organizations, and communities; professional roles in problem-solving processes. Practice in the use of skills and techniques for working with individuals, small groups, organizations, and communities. Moursund.
- CSPA 401. **Research**. (g) Hours to be arranged.
Eight-week session.
- CSPA 403. **Thesis**. (g) Hours to be arranged.
Eight-week session.
- CSPA 405. **Reading and Conference**. (g) Hours to be arranged.
Eight-week session.
- CSPA 406. **Special Problems**. (g) Hours to be arranged.
Eight-week session.
- CSPA 407. **Seminar**. (g) Hours to be arranged.
Eight-week session.
- CSPA 407. **Seminar: Current Issues in Leisure-Time Services**. (g) 3 hours.
Eight-week session. Selected current basic issues and problems in leisure and cultural service programs. Implications of social and economic forces for leisure and cultural services. Rodney.
- CSPA 407. **Seminar: Economic, Cultural, and Political Aspects of Old-Age Security**. (g) 3 hours.
Eight-week session. Study in three main areas: economic and social factors; national policies for the aged; three cases; political factors: the case of the United States. Greene and Hanhardt.
- CSPA 407. **Seminar: Interaction of Law and the Family**. (g) 4 hours.
Eight-week session. Introductory course providing a practical understanding of the law with respect to individual, familial, and societal relationships. Family-related, specific social problems such as illegitimacy, abortion, divorce, child support, and their legal implications. The role of the attorney, his client, the agency representative, and the interests of the state. Brodie.
- CSPA 407. **Seminar: Planning in Developing Countries**. (g) 3 hours.
Eight-week session. Survey and theory of national planning with India as a case study. National planning with regard to agriculture, education, community development, public health, and urban planning. A simulated "foreign-aid game" at the end of the course projects a hypothetical amount of foreign aid involving the United States and Indian governments. Thurber.
- CSPA 407. **Seminar: Supervision of Programs and Groups**. (g) 3 hours.
Eight-week session. Place of supervision in community-service agencies;

human relations factors in the supervisory process; individual and group interaction in the agency setting. Evaluation of supervisory methods. Zug.

CSPA 407. Seminar: Values and Identity in Counseling. (g) 3 hours.

Eight-week session. A psychological analysis of identity crises and problems in building a system of personal values in contemporary life. Case descriptions of people "in search of themselves" and consideration of various ethical orientations in modern society. General principles applicable to counseling and other types of helping relationships. Rousseve.

CSPA 408. Workshop: Career Planning for the Mature Woman. (g) 2 hours.

One week, August 18-22. Designed to give participants an opportunity to explore in depth the problems and rewards involved in returning to school after several years' absence. Small-group interaction, talks, and discussions among women considering returning to school and some who have recently returned. Charge of \$25 for those taking the workshop without credit includes administration and interpretation of the Strong Vocational Interest Blank. Registration by July 15 required. Ray.

CSPA 408. Workshop: Career Planning for the Mature Woman. (g) 2 hours.

One week, August 25-29. (Same as above.) Ray.

CSPA 409. Supervised Field Study. Up to 15 hours.

Eight-week and eleven-week sessions. Supervised field study through participation in activities of community service and public affairs agencies or institutions either on part-time or full-time basis during summer session. May include work with individuals, groups, the community either in community services or administrative functions. Requests for field placements must be received prior to June 1, 1969. Students also required to enroll in Theory-Practice Integration (CSPA 411 or 412). Prerequisite: consent of instructor. Brewer and staff.

CSPA 411, 412. Theory-Practice Integration. 3 hours each term.

Eight-week and eleven-week sessions. Companion courses to Supervised Field Study (CSPA 409). Designed to provide an introduction to the organization, character, and conduct of community and public agency programs as a link between theoretical concepts and participation in Supervised Field Study (CSPA 409). CSPA 411 taken if registering for first field placement; CSPA 412, if registering for subsequent placement. Prerequisite: consent of instructor. Brewer and staff.

CSPA 462, 463. Metropolitan Government. (g) 3 hours each term.

Past and present problems of governmental organization in metropolitan areas; solutions that have been proposed or put into operation for solving those problems as they have arisen in the past, and solutions for problems as they exist at present. Etter.

CSPA 462. Metropolitan Government (First Term). 3 hours.

First four weeks, June 23-July 18.

CSPA 463. Metropolitan Government (Second Term). 3 hours.

Second four weeks, July 21-August 15.

CSPA 465, 466. Administration of State and Local Government. (g) 3 hours each term.

The policy-making and policy-administering process within the American states. Analysis and description of intergovernmental relationships: federal, state, and local; state political processes, program responsibilities, organizational features, and administrative problems. R. Collins.

CSPA 465. Administration of State and Local Government (First Term). 3 hours.

First four weeks, June 23-July 18.

CSPA 466. Administration of State and Local Government (Second Term). 3 hours.

Second four weeks, July 21-August 15.

Economics

Visiting Faculty : BRAMNESS.

Professors : KOPLIN, SIEGEL.

Associate Professor : GROVE.

Assistant Professor : KHANG.

Ec 201. **Principles of Economics.** 3 hours.

Eleven-week session. Economic resources and institutions; income determination and economic stabilization; government financial operations. Koplin.

Ec 202. **Principles of Economics.** 3 hours.

Eleven-week session. Money, monetary policy, and economics of the firm. Koplin.

Ec 203. **Principles of Economics.** 3 hours.

Eleven-week session. Factor pricing; domestic and international economic problems. Koplin.

Ec 318. **Money and Banking.** 3 hours.

Eight-week session. Operations of commercial banks, the Federal Reserve System, and the Treasury that affect the United States monetary system. Current issues in monetary policy.

Ec 319. **Taxation and Fiscal Policy.** 3 hours.

Principles and problems of government financing. Expenditures, revenues, debt, and financial administration. Grove.

Ec 375. **Economic Theory.** 3 hours.

Eight-week session. Macro-economic analysis of income and output-determination. Economics of employment and growth. Bramness.

Ec 464, 465, 466. **Quantitative Economic Analysis.** (G) 3 hours each term.

The use of mathematical techniques in economic analysis. Consumption and production theory, programming, input-output; general equilibrium; multiplier, accelerator, growth, and inventory models. Prerequisite: Ec 201, 202, 203; Mth 104, 105, 106 or equivalent. Khang.

Ec 464. *Quantitative Economic Analysis (First Term).* 3 hours.

First four weeks, June 23-July 18.

Ec 465. *Quantitative Economic Analysis (Second Term).* 3 hours.

Second four weeks, July 21-August 15.

Ec 466. *Quantitative Economic Analysis (Third Term).* 3 hours.

Three weeks, August 18-September 5.

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

Eight-week session. Siegel.

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

Eight-week session. Siegel.

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

Eight-week session. Siegel.

Ec 507. **Seminar in Economic Growth and Development.** 3 hours.

Eight-week session. Discussion of the basic concepts and structure of a number of models in the theory of economic growth. Applications and specializations of these models to the special problems of less developed economies. Bramness.

Education

Visiting Faculty: ASCHWALD, BROUDY, BURTON, DEDMAN, ELLINGSON, JOHNSON, KEHL, LACEY, LARIZA.

Professors: ABEL, ACKER, BRISSEY, CARLSON, DE JUNG, ERICKSON, GRAHAM, HEARN, JACOBSON, KAMBLY, LOUGHARY, LOWE, MATTSON, MITTMAN, PATTERSON, PEARL, SANDIN, SHELLENBARGER, SUTTLE, TOPE, VAN LOAN, WOOD.

Associate Professors: ACHESON, BOWERS, CANDLAND, CLEMENTS, DIZNEY, ESPESETH, FREDERICK, HANSEN, KRANZLER, LANCE, LOVELL, MARTINSON, MATTHEWS, NYE, OSIBOV, PREHM, RANKIN, ROBECK, ROUSSEVE, SCHAAF, SCHMINKE, SEUBERT, SYLWESTER, TOOBERT, WALLEN, WALLER, WILLARD, WILLIAMS.

Assistant Professors: BENSON, BROWNING, CROSSON, DUDLEY, GILMORE, HARDIN, HAUGHTON, HOTCHKISS, JOHNSTON, KEITH, KING, McLEOD, MAERTENS, MALTYE, MYERS, RYBOLT, SHEPERD, TEN BRINKE, WALKER.

Instructors: BLAIR, BOGATZ, BROCKWAY, BROWN, ENGELSEN, FERRINGTON, FUNK, HOLBOKE, JAMES, MADSEN, MILLER, MILLMAN, STONE, TUCKER, WALLACE, WAUGH, ZIGLER.

Curriculum and Instruction

In addition to the regular program, the Department of Curriculum and Instruction will offer special workshops which combine regular departmental offerings with related recent innovative developments. Each workshop is offered for six credits. It must be taken in its entirety, and is limited to thirty-five participants. Work taken in the workshops is applicable to planned masters' programs. Advance registration is suggested. Address inquiries to Mrs. Lana Reid, Department of Curriculum and Instruction, College of Education, University of Oregon, 97403.

Special Workshops

Ed 508. **Workshop: Individual Reading Instruction.** 6 hours.

First four weeks, June 23-July 18. Identification of and provision for the specific reading-skill needs of children in elementary classrooms. Procedures for individualizing reading instruction with which different published reading materials can be used. Meets requirements for Ed 537. Wallen.

Ed 508. **Workshop: New Social Studies Programs.** 6 hours.

First four weeks, June 23-July 18. The application of sequential development of thought processes to the teaching of social-studies concepts in the elementary school. Planning and practicing use of cognitive task development in teaching and learning activities. Meets requirements for Ed 535 or Ed 596. Funk.

Ed 508. **Workshop: Teaching New Science Programs.** 6 hours.

First four weeks, June 23-July 18. Consideration of objectives and organization of the new science programs, and teaching methods associated with these programs; new programs and application of methods and philosophies of new science curricula to the existing science programs. Meets requirements for Ed 534 or Ed 595. Hull.

Ed 508. **Workshop: Questioning Strategies.** 6 hours.

Second four weeks, July 21-August 15. Use of a wide range of questioning to cause more productive thinking; planning and practicing use of questioning grids to develop concepts selected by the teacher; analysis of practice session. Meets requirements for Ed 536 or Ed 593. Miller.

Ed 507. **Seminar: Early Childhood Education.** 6 hours.

Eight-week session. The design, analysis, and refinement of learning sequences for the kindergarten primary child. Material resources designed to teach begin-

ning reading, syntax and vocabulary, sensory-motor abilities, mathematics, and science. Robeck.

Ed 508. **Workshop: Analysis of Teaching.** 6 hours.

Second four weeks, July 21-August 15. The acquisition and application of both sophisticated and paper-pencil means of analyzing teaching behavior. Audio, video, and film recordings in additions to summer-school classroom situations used for analysis. To be taken in lieu of Seminar: Systematic Procedures of Observation (Ed 507). Keith.

Ed 508 or ArE 508. **Workshop: Film as an Educational and Social-Change Agent.** 6 hours.

Second four weeks, July 21-August 15. Film as an instrument in educational and social change. Selected film viewings, film production, and its relation to the entire media field. Meets requirement for an audio-visual aids course. Tucker.

Ed 508. **Workshop: Mathematics.** 6 hours.

Second four weeks, July 21-August 15. Mathematics curriculum materials from kindergarten through pre-algebra mathematics. Introduction to materials for the gifted child and for the slow learner. Selected experimental programs discussed and evaluated. Maertens, Schaaf.

Ed 509. **Practicum: Disadvantaged Youth.** 15 hours.

Eight-week session. Teaching and observation experiences at the Tongue Point Job Corps Training Center, Astoria, Oregon. Seminar activities included in the fifteen-hour total. Advance registration required. Lacey.

Elementary Education

Ed 333. **Teaching Mathematics in Elementary Schools.** 3 hours.

Second four weeks, July 21-August 15. Arithmetic in the elementary program. Types of instruction, criteria for selection, placement, and organization of content. Prerequisite: Ed 315.

Ed 451. **Early Childhood Education.** (G) 3 hours.

Eight-week session. Relationship of the development of young children to educational programs provided for them. Program planning; group behavior.

Ed 507. **Seminar: Primary Education.** 3 hours.

Eight-week session. The design, analysis, and refinement of learning sequences for the kindergarten primary child. Material resources designed to teach beginning reading, syntax and vocabulary, sensory-motor abilities, mathematics, and science. Association learning, insightful learning, and purposeful learning. Curricular approaches which relate the cognitive objectives of the school and the affective domain of the child.

Ed 508. **Workshop: New Social Studies Programs.** 6 hours.

First four weeks, June 23-July 18. For description, see page 53.

Ed 508. **Workshop: Teaching New Science Programs.** 6 hours.

First four weeks, June 23-July 18. For description, see page 53.

Ed 508. **Workshop: Questioning Strategies.** 6 hours.

Second four weeks, July 21-August 15. For description, see page 53.

Ed 508. **Workshop: Theories of Child Learning.** 3 hours.

Eight-week session. Contemporary theory of the nature of learning from prenatal through primary-school years. Relationships between association learning, insightful learning, and purposeful learning. Dynamics of physical, emotional, perceptual, and intellectual growth. Early development of social interaction patterns, the learning of motivations, and the early conceptualizations of self as learner.

Ed 508. **Workshop: Mathematics.** 6 hours.

Second four weeks, July 21-August 15. For description, see above.

Ed 507. **Seminar: Individualizing Instruction in the Elementary School.** 3 hours.

Eight-week session. Rationale for individualization; diagnosis and goal-setting; record keeping and feedback; use of differentiated materials and instructional media, and encouraging self-initiated learning.

Ed 507. **Seminar: Early Childhood Education.** 6 hours.

Eight-week session. For description, see page 53.

Ed 508. **Workshop: Analysis of Teaching.** 6 hours.

Second four weeks, July 21-August 15. For description, see page 54.

Ed 508. **Workshop: Individual Reading Instruction.** 6 hours.

Eight-week session. For description, see page 53.

Ed 508 or ArE 508. **Workshop: Film as an Educational and Social-Change Agent.** 6 hours.

Second four weeks, July 21-August 15. For description, see page 54.

Ed 534. **Science in the Elementary School.** 3 hours.

Eight-week session. The place of science in the elementary school, with particular reference to the value of science in the lives of children; selecting and organizing content; coordinating science with elementary school activities; methods and materials.

Ed 535. **Social Studies in the Elementary School.** 3 hours.

Eight-week session. Social-education objectives; children's social problems; unit development; work-study skills, organization of the program; materials, research findings basic to the social education of children.

Ed 536. **Language Arts in the Elementary School.** 3 hours.

Eight-week session. The role of language arts in the elementary-school program; objectives; research findings on language development; the teaching of spelling, writing, and speaking-listening skills; newer instructional materials; testing and evaluation.

Ed 537. **Reading in the Elementary School.** 3 hours.

Eight-week session. Nature of the reading process, objectives and organization of a desirable reading program; reading readiness, reading skills; procedures and materials for developing children's reading abilities; methods of diagnosing difficulties and evaluating progress.

Ed 538. **Mathematics in the Elementary School.** 3 hours.

First four weeks, June 23-July 18. Number abilities needed by children; research findings in mathematics education; designing number experiences; theories of teaching, desirable teaching procedures, selection and use of materials.

Secondary Education

Ed 407. **Seminar: Principles of Secondary Teaching.** (G) 3 hours.

Eight-week session. Study of the teaching process including classroom organization and management, planning teaching units, innovations in teaching; and evaluating student learning.

Ed 417. **Student Teaching: Senior High School.** 3-15 hours.

Eight-week session. 15 hours maximum credit for Ed 416 or Ed 417 or any combination of the courses.

Ed 427. **School Activities.** (G) 3 hours.

Second four weeks, July 21-August 15. Principles and purposes of school activities; pupil participation in school government; assemblies; clubs, social activities; athletics, speech activities, drama, music, publications; evaluation of the school activity program.

Ed 484. **The Junior High School.** (G) 3 hours.

First four weeks, June 23-July 18. Origin and functions of the junior high

school; characteristics and needs of the early adolescent; administration of the junior high school; curriculum and instruction; guidance; school activities; evaluation.

Ed 508. Workshop: Questioning Strategies. 6 hours.

Second four weeks, July 21-August 15. For description, see page 53.

Ed 508. Workshop: New Social Studies Programs. 6 hours.

First four weeks, June 23-July 18. For description, see page 53.

Ed 508. Workshop: Teaching New Science Programs. 6 hours.

First four weeks, June 23-July 18. For description, see page 53.

Ed 507. Seminar: Games and Simulations in Secondary School Social Studies. 3 hours.

Second four weeks, July 21-August 15. A "What's Happening" course for teachers seeking innovative methods to involve students. The history, philosophy and techniques of games and simulations are explored, discussed and put into practice as participants design their own materials for social studies classes. Students will also take part in several simulations as part of their instruction.

Ed 508 or ArE 508. Workshop: Film as an Educational and Social-Change Agent. 6 hours.

Second four weeks, July 21-August 15. For description, see page 54.

Ed 508. Workshop: The Student Council. 3 hours.

Weeks 9 and 10, August 18-29. Aims and objectives of the student council organization, group processes, council problems and projects, evaluation of the council's program. The first week of the program organized in conjunction with high-school leaders' workshop; second week devoted to individual work.

Ed 508. Workshop: Analysis of Teaching. 6 hours.

Second four weeks, July 21-August 15. For description, see page 54.

Ed 508. Workshop: Mathematics. 6 hours.

Second four weeks, July 21-August 15. For description, see page 54.

Ed 585. Instructional Practices in Secondary Schools. 3 hours.

First four weeks, June 23-July 18. Study, observation, and evaluation of innovative practices in junior and senior high schools; special attention to provisions for gifted and slow learners, flexible scheduling, large and small group instruction, independent study, the house plan, and instructional materials centers.

Ed 593. Methods in Secondary-School Language Arts. 3 hours.

Eight-week session. Review of research in the problems of teaching language arts in the secondary schools; observation and participation in demonstration teaching of literature, grammar, and composition. Designed for administrators and supervisors, as well as classroom teachers. Prerequisite: teaching experience or consent of instructor.

Ed 594. Methods in Secondary-School Mathematics. 3 hours.

Eight-week session. Development of proficiency in the use of the problem-solving approach to the teaching of topics in arithmetic, algebra, geometry, and advanced high-school mathematics. Consideration of the strength, inadequacies, and needed revisions of the present-day mathematics curriculum. Prerequisite: teaching experience or consent of instructor.

Ed 596. Methods in Secondary-School Social Studies. 3 hours.

First four weeks, June 23-July 18. Trends in the social studies curriculum; unit methods of teaching; core curriculum; social studies materials and teaching techniques; teaching reflective thinking; teaching current affairs. Students may work on problems of individual interest, and prepare materials for use in junior and senior high school classes. Prerequisite: teaching experience or consent of instructor.

Reading, Language Arts, and Remediation Center

Ed 409, 509. **Practicum: Remedial Clinic (Diagnosis).** (G) 3 hours.

Eight-week session. Supervised clinical experience in the diagnosis of learning difficulties of school pupils. Concurrent enrollment in Ed 465 required. Prerequisite: consent of instructor.

Ed 409, 509. **Practicum: Remedial Clinic (Remediation).** (G) 3 hours.

Eight-week session. Supervised clinical experience in the remediation of learning difficulties of school pupils. Concurrent registration in Ed 468 required. Prerequisite: consent of instructor. Daily clinic sessions plus weekly staff meeting.

Ed 428. **Psychology of Reading Instruction.** (G) 3 hours.

Eight-week session. Nature of the reading process; factors of learning and development related to reading achievement; psychological foundations of methods and materials of reading instruction; nature and treatment of reading disability.

Ed 429. **Principles of Remedial Education.** (G) 3 hours.

Eight-week session. Survey of remedial education; factors associated with underachievement; general principles of diagnosis and remediation; diagnostic instruments and remedial resources. A first course in remedial education with application to both elementary and secondary education.

Ed 465. **Diagnostic Techniques in the Basic Skills.** (G) 3 hours.

Eight-week session. Analysis of difficulty in the skills of reading, spelling, arithmetic, and handwriting; selection, administration, and interpretation of group and individual diagnostic achievement tests; diagnostic procedures; development of the diagnostic report; concurrent enrollment in Practicum: Remedial Clinic (Diagnostic) (Ed 409, 509) required. Prerequisite: consent of instructor.

Ed 468. **Remedial Techniques in the Basic Skills.** (G) 3 hours.

Eight-week session. Organization and implementation of the remedial program; specific procedures in remediation of difficulty in the skills of reading, spelling, arithmetic, and handwriting; location and creation of remedial instrumental materials. Concurrent enrollment in Practicum: Remedial Clinic (Remediation) (Ed 409, 509) required. Prerequisite: consent of instructor.

Ed 469. **Reading in High School and College.** (G) 3 hours.

Eight-week session. Basic principles of reading instruction; nature and scope of the total reading program; methods, materials, and organization of the developmental and corrective reading programs in high school and college.

Ed 507 **Seminar: Individualizing Instruction in the Elementary School.** 3 hours.

Eight-week session. Rationale for individualization; diagnosis and goal-setting; record keeping and feedback; use of differentiated materials and instructional median and encouraging self-initiated learning. Candland.

Ed 508. **Workshop: Individual Reading Instruction.** 6 hours.

First four weeks, June 23-July 18. For description, see page 53.

Ed 536. **Language Arts in the Elementary School.** 3 hours.

Eight-week session. The role of language arts in the elementary school program; objectives; research findings on language development; the teaching of spelling, writing, and speaking-listening skills; newer instructional materials; testing and evaluation.

Ed 537. **Reading in the Elementary School.** 3 hours.

Eight-week session. Nature of the reading process, objectives, organization of a desirable reading program; reading readiness, reading skills; procedures and materials for developing children's reading abilities; methods of diagnosing difficulties and evaluating progress; research findings concerning the teaching of children to read.

Ed 509. Practicum: School Psychology. 3 hours.

Eight-week session. Similar to Practicum: School Psychology (Ed 409). Students are expected to function more independently and demonstrate a greater degree of competence. Prerequisite: Practicum: School Psychology (Ed 409.)

Intern Program**Ed 407. Seminar: Principles of Secondary Teaching.** (G) 3 hours.

Eight-week session. Study of the teaching process including classroom organization and management, planning teaching units, innovations in teaching and evaluating student learning.

Ed 407. Seminar: Teaching Elementary School. 3 hours.

Second four weeks, July 21-August 15. Practical insight into various areas which confront a beginning teacher: elementary curriculum, classroom management and control, parent conferencing, differentiating instruction, lesson planning and preparation, and some methods and materials. Restricted to intern teachers, or admission by consent of instructor.

Ed 407. Seminar: Human Development and Learning. 3 hours.

Eight-week session. Intensive study of learning behavior at all levels of children's development in the elementary- and high-school setting; concepts of individual differences, learning theory and patterns of learning are applied to the classroom setting. Restricted to intern teachers, or admission by consent of instructor.

Ed 407. Seminar. Hours to be arranged.

Eight-week session.

Ed 505. Reading and Conferences. Hours to be arranged.

Eight-week session.

Ed 508. Workshop: Teaching Elementary School or Teaching Secondary School. 3 hours.

Week 0 and 10. Beginning interns work cooperatively with their supervisors in orientation to the program and introduction to their teaching assignment. Interns returning to campus after their teaching year evaluate their experience and assess their needs. Workshops for secondary teachers will include divisions for social studies, language arts, mathematics, science, art, and physical education.

Ed 509. Practicum: Teaching Elementary School. 3-9 hours.

First five weeks, June 23-July 25. Practice teaching and observation in the public school for a four to five week period. Students will be involved for one-half day plus needed planning time. Restricted to intern teachers, or admission by consent of instructor.

Ed 509. Practicum: Teaching Secondary School. 3-9 hours.

First six weeks, June 23-August 1 or eight-week session. Practice teaching and observation in the public school for eight weeks. Students will be involved one-half day plus needed planning time. Special areas will include language arts, social studies, mathematics, science and others as can be arranged. Restricted to intern teachers, or admission by consent of instructor.

Ed 407. Seminar: Reading in the Elementary School. 3 hours.

First four weeks, June 23-July 18. The reading process: objectives and organization. Emphasis on readiness, procedures, materials, and the skills for diagnosing difficulties and evaluating progress.

Ed 407. Seminar: Mathematics in the Elementary School. 3 hours.

Second four weeks, July 21-August 15. The elementary-school arithmetic program. The organization of content, placement of students, current materials and methods of approach.

Ed 535. Social Studies in the Elementary School. 3 hours.

Eight-week session. Social-education objectives; children's social problems;

unit development; work-study skills, organization of the program; materials, research findings basic to the social education of children.

Art Ed 507. Seminar: Art in the Elementary School. 3 hours.

First four weeks, June 23-July 18. A study of significant literature and research in the field, laboratory investigation of materials, ideas, and methods currently used in elementary schools.

Disadvantaged Youth

Ed 407. Seminar: Alienated-Youth Education. 3 hours.

Eight-week session. School in a changing society; attributes of a school which tend to disengage the student from the learning process. Student leadership in producing change.

Ed 407. Seminar: Careers in a Changing World. 3 hours.

Eight-week session. Alternative strategies for elimination of poverty and development of competence in evaluating each strategy.

Ed 407. Seminar: Disadvantaged Youth. 3-6 hours.

Eight-week session. Problems of teaching disadvantaged youth. Must be taken concurrently with Practicum: Disadvantaged Youth (Ed 409), held at Tongue Point Job Corps Center, Astoria, Oregon. Preregistration required.

Ed 407. Seminar: Teaching the Migrant Child. 3 hours.

Eight-week session. Discussion of characteristics of migrant life, its effects on the child, his peers, and the school setting. Includes observation of migrant children in their settings.

Ed 409. Practicum: Disadvantaged Youth. 10-15 hours.

Eight-week session. Teaching and observation experiences at the Tongue Point Job Corps Center, Astoria, Oregon. Must be taken concurrently with Seminar: Disadvantaged Youth (Ed 407).

Ed 509. Practicum: Disadvantaged Youth. 15 hours.

Eight-week session. For description, see page 54.

Curriculum and Supervision

Ed 435. Audio-Visual Aids. (G) 4 hours.

Eight-week session. The development and use of audio-visual aids in education; emphasis on actual learning situations in which radio, recordings, films, slides, pictures, maps, charts, etc., are utilized; sources of materials and equipment; administration of audio-visual programs.

Ed 507. Seminar: Clinical Supervision. 3 hours.

First four weeks, June 23-July 18. Observation as a means of supervision. The rationale for practice of clinical supervision and analysis of the supervision cycle. Must be taken concurrently with Practicum: Clinical Supervision (Ed 509). Suttle, staff.

Ed 508. Workshop: Analysis of Teaching. 6 hours.

Second four weeks, July 21-August 15. For description, see page 54.

Ed 508. Workshop: Mathematics. 6 hours.

Second four weeks, July 21-August 15. For description, see page 54.

Ed 508 or ArE 508. Workshop: Film as an Educational and Social-Change Agent. 6 hours.

Second four weeks, July 21-August 15. For description, see page 54.

Ed 509. Practicum: Clinical Supervision. 3 hours.

First four weeks, June 23-July 18. Practice of supervisory skills under supervision designed to improve the individual's skills in supervision. Must be taken concurrently with Clinical Supervision (Ed 507). Suttle, staff.

Ed 522. Secondary-School Curriculum. 3 hours.

Eight-week session. Overview of the secondary-school curriculum, emphasizing the various subject fields, organization of the school for curriculum development, educational objectives, course of study, evaluation of the secondary-school program.

Ed 553. The Elementary-School Curriculum. 3 hours.

Eight-week session. Systematic study of elementary-school curriculum, including pupil needs in everyday life situations, objectives, essentials of a good program, varying curriculum designs, organization of learning experiences, evaluation of learning, and appraisal of new curriculum practices.

Ed 574. School Supervision. 3 hours.

Second four weeks, July 18-August 15. The role of the supervisor in keeping education geared to the changing demands of society. Theories of leadership, group processes, individual conference techniques, action research and related approaches to curriculum change. Analysis of supervisory problems.

Counseling

Practicum instruction is organized on two levels. Students who are receiving their first experience in a field and require relatively close supervision are enrolled in Ed 409; advanced students able to work more independently are enrolled in Ed 509.

Students interested in enrolling in the practica must make arrangements with Barton Clements, College of Education, University of Oregon, before June 1.

Ed 407. Seminar: Research in Counseling. (G) 3 hours.

Eight-week session. Students serve as research project staff members and complete projects of interest to the group. Prerequisite: consent of instructor. Loughary.

Ed 407. Seminar: Group Counseling. (G) 3 hours.

Eight-week session. Examination of principles and theories of group counseling. Review and evaluation of current practices in several types of settings and with various populations. Prerequisite: consent of instructor. Clements.

Ed 407. Seminar: Somatopsychology. (G) 3 hours.

Eight-week session. Effects of physical disability on psychological functioning; implications of effects for vocational rehabilitation. Waller.

Ed 407. Seminar: Counseling the Exceptional Child. (G) 3 hours.

Eight-week session. Counseling techniques used in working with exceptional children, their parents, and their teachers. Prerequisite: consent of instructor. Rybolt.

Ed 407. Seminar: Moral Issues in Counseling. (G) 3 hours.

Eight-week session. Designed to provide an opportunity for students to learn how to consider, discuss, and debate more effectively moral and/or ethical issues which are related to counseling. Prerequisite: consent of instructor. Gilmore.

Ed 407. Seminar: Appraisal in Counseling. (G) 3 hours.

Eight-week session. Emphasis on use of standardized test and other information in counseling. Kranzler.

Ed 407. Seminar: Occupational Information. (G) 3 hours.

Eight-week session. Occupational structure, classification, and analysis; sources and evaluation of occupational information. Matthews.

Ed 407. Seminar: Community College Counseling. (G) 3 hours.

Eight-week session. Overview of the community college. Emphasis on student personnel services. Hills.

- Ed 409. **Practicum: Community College Counseling.** (G) 3-6 hours.
Eight-week session. Observation, co-counseling, individual counseling.
- Ed 409. **Practicum: Group Counseling.** (G) 3 hours.
Eight-week session. Observation, staffing, participation in group counseling.
Prerequisite: consent of instructor. Clements.
- Ed 409. **Practicum: Introduction to Counseling.** (G) 3 hours.
Eight-week session. Client-counselor relationship; ethical and legal concerns in counseling; awareness of self. Brockway.
- Ed 409. **Practicum: Secondary-School Counseling.** (G) Hours to be arranged.
Eight-week session. Open only to students in programs leading to specialization in secondary-school counseling. Observation, staffing of cases, counseling, case writing, testing. Prerequisite: consent of instructor.
- Ed 409. **Practicum: Rehabilitation Field Agencies.** (G) 6-9 hours.
Eight-week session. Supervised counseling experience in community rehabilitation agencies and facilities. Open to rehabilitation majors only. James.
- Ed 409. **Practicum: College Counseling.** (G) Hours to be arranged.
Eight-week session. Open only to students in programs leading to specialization in college counseling. Observation, staffing of cases, counseling, case writing, testing. Prerequisite: consent of instructor. Dudley.
- Ed 409. **Practicum: Elementary-School Counseling.** (G) Hours to be arranged.
Eight-week session. Open only to students planning programs leading to specialization in elementary-school counseling. Observation, staffing of cases, counseling. Prerequisite: consent of instructor. Kranzler.
- Ed 485. **Principles and Practices of Guidance Services.** (G) 3 hours.
Eight-week session. The need for guidance services in the schools; tests, inventories, questionnaires, and records; the role of the home and the community in guidance; counseling the individual student. Brockway.
- Ed 509. **Practicum: Secondary-School Counseling.** 3 hours.
Eight-week session. Open only to students in programs leading to specialization in secondary-school counseling. Same as Ed 409 except that the student is expected to work with less immediate supervision. Prerequisite: consent of instructor.
- Ed 509. **Practicum: Rehabilitation Field Agencies.** 6-12 hours.
Eight-week session. Extensive experiences in a rehabilitation agency. Limited to students enrolled in the rehabilitation-counselor program. Prerequisites: Practicum: Rehabilitation Agencies (Ed 409), consent of instructor. Waller.
- Ed 509. **Practicum: College Counseling.** Hours to be arranged.
Eight-week session. Same as Ed 409 except that the student is expected to work with less immediate supervision. Prerequisites: Practicum: College Counseling (Ed 409), consent of instructor.
- Ed 526. **Counseling Theories.** 3 hours.
Eight-week session. Theoretical assumptions underlying process; dynamics of adjustment and personality change; methods of promoting emotional, educational, and occupational adjustment. Prerequisite: Ed 485 or equivalent. Gilmore.
- Ed 589. **Organization and Administration of Guidance Services.** 3 hours.
Eight-week session. Principles and functions of guidance; organizing the guidance program; guidance personnel; evaluation of the school's guidance services. Rousseve.

Educational Administration

- Ed 501. **Research.** Hours to be arranged.
Eight-week session. Instruction may be arranged for all or part of the session.

- Ed 501. **Research: Field Studies.** Hours to be arranged.
Eight-week session.
- Ed 503. **Thesis.** Hours to be arranged.
Eight-week session. Instruction may be arranged for all or part of the session.
- Ed 505. **Reading and Conference.** Hours to be arranged.
Eight-week session. Instruction may be arranged for all or part of the session.
- Ed 507. **Seminar: Scope and Methods of the Social Sciences.** 3 to 6 hours.
Eight-week session. Background and perspectives of the social science disciplines—anthropology, economics, political science, psychology, and sociology. Selected aspects of social organization and process considered in detail. Tope, staff.
- Ed 507. **Seminar: The Nongraded Elementary School.** 3 hours.
Eight-week session. Fundamental considerations, theory, review of research, current practices, issues, and anticipated projections related to nongrading the elementary school. Sandin.
- Ed 507. **Seminar: Nature and Problems of Administrative Behavior.** 6 hours.
Eight-week session. For advanced graduate students. Draws from the literature and related fields of business administration, economics, social psychology, sociology, and political science. Emphasis on fundamental research underlying human behavior as a basis for the theory and practice of administrative behavior. Prerequisite: consent of instructor. Jacobson, staff.
- Ed 580. **School Personnel Administration.** 3 hours.
Eight-week session. An investigation and consideration of the best principles and practices in school-personnel administration and determining its role in facilitating the educational process. Tope.
- Ed 507. **Seminar: Change in Organizations.** 3 hours.
Eight-week session. Analysis of the principles of change affecting educational organizations and review of the research on change in organizations from related behavioral science disciplines. Carlson.
- Ed 507. **Seminar: Community-College Administration.** Hours to be arranged.
Eight-week session. Van Loan.
- Ed 507. **Seminar: International Education.** 3-4 hours.
Eight-week session. Brief survey of comparative education. Description of the selected national models in developed and underdeveloped countries. Techniques of area studies, basic principles of economic development, economics of education, national planning, educational planning. Characteristics of overseas service; securing an assignment, preparations for an assignment. Wood.
- Ed 527. **Secondary-School Administration and Supervision.** 3 hours.
Eight-week session. Secondary-school principalship, principles of administration, staff relationships, public relations, and professional growth. Business administration, administration of guidance services, curriculum, and school activities, evaluation of the secondary school. Hearn.
- Ed 554. **Elementary-School Administration and Supervision.** 3 hours.
Eight-week session. For students in elementary education who are preparing for administration or supervisory positions. Characteristics of good elementary schools, leadership responsibilities and processes, school-organization patterns, pupil-personnel policy, and school-community relationships. Sandin.
- Ed 559. **Evaluation of Secondary-School Programs.** 3 hours.
Eight-week session. Appraisal of secondary schools on the basis of evaluative criteria, with special attention to the work of the National Study of Secondary School Evaluation. Hearn.
- Ed 560. **Secondary School Problems.** 3 hours.
Eight-week session. Emphasis upon leadership responsibility for the improve-

ment of the secondary school instructional program with particular attention to the needs of the student. Implementation of basic principles through the use of such materials as study-habits inventories, time-distribution sheets, quintile classifications, interest inventories and cumulative personnel records. Ellingson.

Ed 572. Public-School Administration. 3 hours.

Second four weeks, July 21-August 15. Interpersonal relations in administration, school board powers, duties, roles, relationships. Administrative roles, responsibilities, issues, and problems. Problems of staff personnel. Student personnel problems at the local-school-district level. Problems and issues related to the development of effective school-community relationships. Lariza.

Ed 573. Public-School Organization. 3 hours.

Eight-week session. The schools in relation to state and federal agencies. The intermediate unit, its purposes, organization, and trends. Local school district-problems of organization, planning, and management. School business administration, transportation, finance, textbooks, and supplies. Extra-legal agencies affecting education. Maltby.

Ed 575. School Finance. 3 hours.

Eight-week session. Problems of school finance, business management, sources of school income, relationship to the state financial structure, budgeting and accounting, construction of the school budget. Prerequisite: work in administration, organization, or consent of instructor. Osibov.

Ed 576. School Buildings. 3 hours.

Four weeks, July 21-August 15. Problems involved in planning, financing, and construction of school buildings. Care and maintenance of buildings. Problems of equipment. Analysis of the problem of a specific district. Prerequisite: work in administration, organization, or consent of instructor. Lariza.

Educational Foundations

Ed 317. Social Foundations of Teaching. 3 hours.

Eight-week session. Nature and influence of such social determinants of child behavior as family, class structure, peer groups, mass media, etc.; the social status of childhood; emerging rights, agencies concerned with children. Graham.

Ed 408. Workshop: Nutrition Education in Action. (g) 3 hours.

First two weeks, June 23-July 3. A practical application of nutrition information for elementary teachers, physical-education teachers, coaches, health educators, and community workers. Relation of nutrition to the growth and development of young children and to the physical fitness of teenagers, athletes, young college adults, and parents. Instructional aids and resources which may be used to coordinate nutrition with school, home, and community activities. Preparation of a related paper suited to individual needs. Pelch.

Ed 440. History of Education. (G) 3 hours.

Eight-week session. A general review of the growth and development of education in relation to the civilization of the times; emphasis on development of educational philosophies.

Ed 441. History of American Education. (G) 3 hours.

Eight-week session. The intellectual development of the United States, with special reference to the development of the school system.

Ed 445. Modern Philosophies of Education. (G) 3 hours.

Eight-week session. An examination of educational philosophies proposed by recent leaders and critics of American educational theory and practice. Bowers.

Ed 491. Social Education. (G) 3 hours.

Eight-week session. Structure and functioning of society as a background for the study and evaluation of education in its varied forms; the contribution of

sociological principles and findings to the improvement of educational practices. Graham.

Ed 507. **Seminar: Problems in the Philosophy of Education.** 3 hours.

Eight-week session. Curry.

Ed 598. **Comparative Education.** 3 hours.

Eight-week session. Educational systems, philosophies, curricula, and recent developments in European, Asian, African, Pan-American, and other countries of the world; origins; factors underlying common and unique characteristics of various educational systems. Wood.

Educational Psychology

Ed 326. **Human Development and Learning.** 5 hours.

Eight-week session. The understanding of children's behavior at various developmental levels during the school years; learning theories and principles, and application to classroom situations; individual differences as they affect developmental and learning patterns; methods of evaluating changes in children's behavior. Johnston.

Ed 407. **Seminar: Developmental Psychology.** 3 hours.

Eight-week session. The study of the child—the developmental aspects of behavior during the prenatal period, infancy, and childhood. Acquisition of language, cognition, and social skills are among the topics covered. Abel.

Ed 409. **Practicum: Individual Intelligence Testing.** (G) 3 hours.

Eight-week session. Practice in the use of the theory and concepts of individual intelligence testing. Rankin.

Ed 424. **Measurement in Education.** (G) 3 hours.

Eight-week session. Use and interpretation of informal and standardized tests as supervisory and guidance instruments for the diagnosis, analysis, evaluation, and improvement of instruction in the elementary and secondary schools; test planning, item writing, essay testing, administration and scoring analysis of scores and grade assignment; simple statistics of test interpretation. Dizney.

Ed 439. **The Gifted Child.** (G) 3 hours.

Eight-week session. The psychology, education, and guidance of the mentally superior and the extraordinarily gifted child. Lovell.

Ed 507. **Seminar: Thesis.** 1 hour.

Eight-week session. Dizney, Mittman, Rankin.

Ed 507. **Seminar: Philosophy of Science.** 3 hours.

Eight-week session. Lovell.

Ed 512. **Introduction to Educational Research Methods.** 3 hours.

Eight-week session. An introductory course in research methodology for students at the master's degree level or for beginning doctoral students. Special attention is devoted to the topics: definition of a problem, statement of hypotheses, sampling and elementary types of experimental design. Examples are used throughout the course. Prerequisite: statistics or consent of instructor. Mittman.

Ed 515. **Educational Statistics.** 3 hours.

Eight-week session. Introduction to the quantitative techniques basic to educational research. No calculus required. First term of two-term sequence. Mittman.

Ed 528. **Group Testing in Schools and Colleges.** 3 hours.

Eight-week session. An intensive study of the purposes, uses, administration, scoring, and interpretation of group tests commonly used in public schools and colleges. Testing in the areas of achievement, aptitudes, interests, and personality. Designed primarily for advanced students in educational psychology, human development, psychometrics, and counseling. Prerequisite: Ed 424. Dizney.

Ed 531. **Advanced Educational Psychology.** 2 hours.

Eight-week session. Designed as a second course following Ed 529. Focus is upon the learner, particularly in school contexts. Prerequisite: general psychology, statistics, or consent of instructor. Johnston.

Ed 564. **Mental Tests.** 3 hours.

Eight-week session. Individual intelligence testing. Selection, administration, and interpretation of individual tests utilized in testing exceptional and extremely deviate children. Prerequisite: Ed 424, Psy 524, or Psy 525, or consent of instructor. Rankin.

Special Education

Ed 407. **Seminar: The Physically Handicapped.** (G) 3 hours.

Eight-week session. The medical and psychological aspects of orthopedically and other health-impaired children. Sheperd.

Ed 407. **Seminar: The Education of the Physically Handicapped.** (G) 3 hours.

Eight-week session. Educational techniques and materials for orthopedically and other health-impaired children. Sheperd.

Ed 407. **Seminar: Teaching the Emotionally Disturbed.** (G) 3 hours.

Eight-week session. Comparison of various theories with emphasis on behavioral approach. Hotchkiss.

Ed 407. **Seminar: Research in Exceptional Child.** (G) 3 hours.

Eight-week session. Examination of individual research proposals with emphasis on problem conceptualization and research procedures. de Jung.

Ed 407. **Seminar: Extended Curriculum for the Mentally Retarded.** (G) 3 hours.

Eight-week session. Survey of art, crafts, recreation, music, physical education, etc., as related to programs for the mentally retarded. Madsen.

Ed 407. **Seminar: Education in Exceptional Children.** (G) 1 hour.

Eight-week session. Stone.

Ed 407. **Seminar: Behaviorism in Special Education.** (G) 3 hours.

Eight-week session. Provides an introduction to learning theory, operant conditioning and behavior modification. Course is designed for those with no previous background in this area. Walker.

Ed 408. **Workshop: Socially and Culturally Deprived.** (G) 4 hours.

Four weeks, August 12-30. Work at Tongue Point Job Corps Center, Astoria, Oregon. 40 hours per week. Pre-registration required. Hotchkiss.

Ed 409. **Practicum: Teaching the Physically Handicapped.** (G) 3-9 hours.

Eight-week session. Practical experiences in the field with programs for physically handicapped children and adults. Sheperd.

Ed 409. **Practicum: Emotionally Disturbed.** (G) 3 hours.

Eight-week session. Field experience with children with behavior problems—allow 15 hours per week. Hotchkiss.

Ed 409. **Practicum: Teaching the Mentally Retarded.** (G) 1-6 hours.

June 23-August 1. Classroom experiences with educable mentally retarded children. Madsen.

Ed 409. **Practicum: Administration of Special Education.** Hours to be arranged.

Eight-week session. Martinson.

Ed 462. **Psychology of Exceptional Children.** (G) 3 hours.

Eight-week session. Characteristics and problems of all types of exceptional children with special emphasis on those with sensory handicaps. Consideration of essential educational adaptations. Stone.

- Ed 464. **Mentally Retarded Child.** (G) 3 hours.
Eight-week session. Introduction to psychological, biological, educational, and social characteristics of the retarded.
- Ed 471. **Administration of Special Education.** (G) 3 hours.
Eight-week session. Administration and supervision of special-education programs. Martinson.
- Ed 489. **Curriculum Methods for Mentally Retarded.** (G) 3 hours.
Eight-week session. Curriculum, methods, and materials developed on the basis of the diagnosed characteristics of mentally retarded children. Pre-registration is required. Lance, Bogatz.
- Ed 507. **Seminar: The Neurologically Impaired.** 3 hours.
Eight-week session. Description and discussion of neurologically impaired conditions, including etiology, diagnosis, and remediation. Myers.
- Ed 507. **Seminar: Research in Exceptional Child.** (G) 3 hours.
Eight-week session. Examination of individual research proposals with emphasis on problem conceptualization and research procedures. de Jung.
- Ed 507. **Seminar: Advanced Curriculum for the Mentally Retarded.** (G) 3 hours.
Eight-week session. This seminar is focused on the interrelationship between learning and curriculum theory as they apply to the mentally retarded. Prehm.
- Ed 507. **Seminar: Educational Resources and Grant-In-Aid Agencies.**
Eight-week session. Procedures for obtaining financial support for educational programs. Martinson.
- Ed 507. **Seminar: Special Education Instructional Materials.** 3 hours.
Eight-week session. Theoretical rationale and procedures for the selection, evaluation, design, and development of instructional materials. McLeod.
- Ed 508. **Workshop: Programmed Instruction: Theory, Techniques, and Materials.** 8 hours.
First four weeks, June 23-July 18. Application of educational programming and programmed materials. Pre-registration required. Martinson.
- Ed 508. **Workshop: Prescriptive Programming for the Learning-Disabled Child.** (G) 8 hours.
First four weeks, June 23-July 18. How to identify where the child is, matching the child to materials, and individually tailoring the materials and observing the child's reactions. Pre-registration required.
- Ed 509. **Practicum: Teaching the Physically Handicapped.** 3-9 hours.
Eight-week session. Advanced practical experiences in the field with programs for physically handicapped children and adults. Sheperd.
- Ed 509. **Practicum: Teaching the Mentally Retarded.** (G) 1-6 hours.
June 23-August 1. Classroom experiences working with educable mentally retarded children. Madsen.
- Ed 509. **Practicum: Evaluation of Special Education Materials.** Hours to be arranged.
Eight-week session. Procedures and techniques for evaluating the instructional materials now available in special education. Engelsen.
- Ed 509. **Practicum: Administration of Special Education.** 3-6 hours.
Eight-week session. Martinson.
- Ed 509. **Practicum: Precision Teaching.** 4 hours.
Eight-week session. Haughton.
- Ed 563. **Diagnosis of the Mentally Retarded.** 3 hours.
Eight-week session. Evaluation: classification, diagnosis, and recommendations. Espeseth.

English

Visiting Faculty: BLISS, GREENBAUM, GRIFFITH, LANGLAND, MARKOVIC, McCAUGHEY.

Professors: KARCHMER, J. SHERWOOD.

Associate Professors: CADBURY, DI PASQUALE, HYNES, LOVE, MAVEETY, SALISBURY, STRANGE.

Assistant Professors: KITTOE, REID, ROCKETT, I. SHERWOOD, SLOAT, STEVENSON, THORPE, TOELKEN.

Instructors: S. HANDY, RODE.

Literature

Eng 101. **Survey of English Literature (First Term)**. 3 hours.
Eight-week and eleven-week sessions.

Eng 102. **Survey of English Literature (Second Term)**. 3 hours.
Eight-week session.

Eng 104. **Introduction to Literature (First Term)**. 3 hours.
Eight-week and eleven-week sessions. Fiction.

Eng 105. **Introduction to Literature (Second Term)**. 3 hours.
Eight-week session. Drama. S. Handy.

Eng 106. **Introduction to Literature (Third Term)**. 3 hours.
Eight-week session. Poetry. S. Handy.

Eng 201. **Shakespeare (First Term)**. 3 hours.
Eight-week and eleven-week sessions. Strange.

Eng 202. **Shakespeare (Second Term)**. 3 hours.
Eight-week session. Bliss.

Eng 203. **Shakespeare (Third Term)**. 3 hours.
Eight-week session.

Eng 301. **Tragedy**. 3 hours.
Eight-week session. A study of the nature of tragedy and of tragic expression in various literary forms. Rockett.

Eng 303. **Epic**. 3 hours.
Eight-week session. The heroic spirit in Western European literature, with emphasis on English literature. Reid.

Eng 304. **Comedy**. 3 hours.
Eight-week session. The comic view in both dramatic and nondramatic forms. Principal theories of the comic and of comic literary forms and types. I. Sherwood.

Eng 322. **English Novel (Third Term)**. 3 hours.
Eight-week session. From Richardson and Fielding to the present. Stevenson.

Eng 392. **American Novel (Second Term)**. 3 hours.
Eight-week session. Development of the American novel from its beginnings to the present. Love.

Eng 394. **Twentieth-Century Literature (First Term)**. 3 hours.
Eight-week session. Critical survey of British, American, and some European literature from 1890 to the present. Markovic.

Eng 395. **Twentieth-Century Literature (Second Term)**. 3 hours.
Eight-week session. Critical survey of British, American, and some European literature from 1890 to the present. Hynes.

- Eng 403. **Thesis.** Hours to be arranged.
Eight-week and eleven-week sessions.
- Eng 405. **Reading and Conference.** Hours to be arranged.
Eight-week and eleven-week sessions.
- Eng 407. **Seminar: Popular Music and Poetry.** (G) 4 hours.
June 23-July 3, daily sessions 9 a.m. to 1 p.m. How popular music can help the high school teacher teach poetry. Langland.
- Eng 407. **Seminar: Social Insights of Literature.** (G) 2 hours.
July 7-11, daily sessions of 2½ hours. The relevance of literature to the problems of society. J. Sherwood.
- Eng 407. **Seminar: Advanced Grammar.** (G) 3 hours.
Eight-week session. An examination of the theoretical underpinnings of the traditionalist, structuralist, and transformationalist grammar. Prerequisite: Modern English Grammar (Eng 492), or consent of instructor. Sloat.
- Eng 414. **History of Literary Criticism (First Term).** (G) 3 hours.
Eight-week session. Studies in the theory and practice of literary criticism. Di Pasquale.
- Eng 416. **History of Literary Criticism (Third Term).** (G) 3 hours.
Eight-week session. McCaughey.
- Eng 428. **Chaucer.** (G) 3 hours.
Eight-week session. As much of Chaucer's work read as time permits. Greenbaum, Di Pasquale.
- Eng 436. **Advanced Shakespeare.** (g) 3 hours.
Students enrolled in the Institute of Renaissance Studies at Ashland may register under this number with the Division of Continuing Education and transfer their credits to the University of Oregon.
- Eng 441. **Seventeenth-Century Literature (Second Term).** (G) 3 hours.
Eight-week session. Poetry and prose from Jonson through the Restoration studied in relation to the trends of thought and feeling which characterized the century. Reid.
- Eng 445. **Milton's Major Poems.** (G) 3 hours.
Eight-week session. Maveety.
- Eng 451. **Eighteenth-Century Literature (Second Term).** (G) 3 hours.
Eight-week session. Primarily Swift and Pope. Works studied in relation to specific literary traditions. Thorpe.
- Eng 460. **The Romantic Poets (First Term).** (G) 3 hours.
Eight-week session. Strange.
- Eng 465. **Later Nineteenth-Century Poets (Third Term).** (G) 3 hours.
Eight-week session. Morris, Thomson, Thompson, Hopkins, and others. Cadbury.
- Eng 478. **Nineteenth-Century American Literature (Second Term).** (G) 3 hours.
Eight-week session. Transcendentalism and anti-transcendentalism. Griffith.
- Eng 479. **Nineteenth-Century American Literature (Third Term).** (G) 3 hours.
Realism and naturalism. Griffith.
- Eng 481. **Major American Writers (First Term).** (G) 3 hours.
Eight-week session. Intensive study of two or three major authors. Bliss.
- Eng 491. **History of the English Language.** (g) 3 hours.
Eight-week session. A general view of modern English vocabulary, grammar, pronunciation, and spelling. Recommended for students preparing for the teaching of English in secondary schools. Greenbaum.

- Eng 492. **Modern English Grammar.** (g) 3 hours.
Eight-week session. Comprehensive study of the grammar of modern English, for prospective teachers of English. Sloat.
- Eng 501. **Research.** Hours to be arranged.
Eight-week and eleven-week sessions.
- Eng 503. **Thesis.** Hours to be arranged.
Eight-week and eleven-week sessions.
- Eng 505. **Reading and Conference.** Hours to be arranged.
Eight-week and eleven-week sessions.
- Eng 507. **Seminar: Literary Structures.** 5 hours.
Eight-week session. Cadbury.
- Eng 507. **Seminar: Contemporary British Fiction.** 5 hours.
Eight-week session. Hynes.
- Eng 507. **Seminar: The Bible as Literature.** 5 hours.
Eight-week session. Maveety.
- Eng 507. **Seminar: Augustan Satire.** 5 hours.
Eight-week session. Thorpe.
- Eng 507. **Seminar: Eliot and Hardy.** 5 hours.
Eight-week session. Study of the major novels of George Eliot and Thomas Hardy. Stevenson.
- Eng 507. **Seminar: Modern Fiction.** 5 hours.
Eight-week session. Markovic.

Writing

- Wr 121. **English Composition (First Term).** 3 hours.
Eight-week and eleven-week sessions. Fundamentals of English composition.
- Wr 121. **English Composition (First Term).** 3 hours
Eight-week and eleven-week sessions. Fundamentals of English composition.
- Wr 121. **English Composition (First Term).** 3 hours.
Eight-week session. For students whose native language is not English. Rode.
- Wr 222. **English Composition (Second Term).** 3 hours.
Eight-week session. Fundamentals of English composition.
- Wr 323. **English Composition (Third Term).** 3 hours.
Eight-week session. Fundamentals of English composition.
- Wr 325. **Short Story Writing (Second Term).** 3 hours.
Eight-week session. For students interested in creative writing or in professional writing for magazines. Karchmer.
- Wr 404. **Writing and Conference.** Hours to be arranged.
Eight-week session.
- Eng 407. **Creative Writing for Teachers.** 3 hours.
Eight-week session. Elementary principles of creative writing for high-school English teachers. Salisbury.
- Wr 411. **English Composition for Teachers.** (g) 3 hours.
Eight-week session. For students planning to teach English in high school. Recommended for satisfaction of the high-school teaching requirement in English.
- Wr 451. **Projects in Writing.** 3 hours.
Eight-week session. Salisbury.

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

Eight-week and eleven-week sessions.

Wr 504. **Writing and Conference.** Hours to be arranged.

Eight-week session.

English NDEA Summer Institute for Elementary Teachers

The Department of English and the Curriculum Study Center will conduct an eight-week institute for elementary-school teachers from public and nonpublic schools throughout the United States. Institute courses are open only to institute participants.

Eng 407. **Seminar: Literature for Elementary Teachers.** (G) 3 hours.

Eight-week session. Malarkey.

Eng 407. **Seminar: Writing for Elementary Teachers.** (G) 3 hours.

Eight-week session. Gilbertson.

Eng 407. **Seminar: Grammar for Elementary Teachers.** (G) 3 hours.

Eight-week session. A. Kitzhaber.

Geography

Visiting Faculty: BENNETT, BOWEN, KRAMER, SEARL.

Professors: DICKEN, PATON.

Associate Professors: MARTIN, SMITH.

Assistant Professor: LOY.

Geog 105, 106, 107. **Introductory Geography.** 3 hours each term.

Eleven-week session. A general introduction to the field of geography, in sequence as follows: Geog 105, introduction to geography; Geog 106, physical geography; Geog 107, cultural geography.

Geog 105. *Introductory Geography (First Term).* 3 hours.

First four weeks, June 23-July 18.

Geog 106. *Introductory Geography (Second Term).* 3 hours.

Second four weeks, July 21-August 15.

Geog 107. *Introductory Geography (Third Term).* 3 hours.

Three weeks, August 18-September 5.

Geog 201, 202, 203. **World Regional Geography.** 3 hours each term.

Eleven-week session. Physical, political and regional economic geography of the following areas: Geog 201, Europe; Geog 202, Latin America; Geog 203, Asia.

Geog 201. *World Regional Geography (First Term).* 3 hours.

First four weeks, June 23-July 18.

Geog 202. *World Regional Geography (Second Term).* 3 hours.

Second four weeks, July 21-August 15.

Geog 203. *World Regional Geography (Third Term).* 3 hours.

Three weeks, August 18-September 5.

Geog 301. **Geography of Oregon.** 3 hours.

First four weeks, June 23-July 18. Physical and cultural geography of Oregon. Dicken.

- Geog 302. **Geography of North America.** 3 hours.
Second four weeks, July 21-August 15. Physical and cultural geography of western United States and western Canada. Dicken.
- Geog 405. **Reading and Conference.** Hours to be arranged.
Eight-week session.
- Geog 407. **Seminar.** Hours to be arranged.
Eight-week session.
- Geog 421, 422. **Field Methods.** (G) 3 hours each term.
Eight-week session. Research techniques in geographic field work. Must be taken concurrently with Geog 485, 486. Martin, Patton.
- Geog 485, 486. **Cartography.** (G) 3 hours each term.
Eight-week session. The map base; field mapping; map design and interpretation. Must be taken concurrently with Geog 421, 422. Martin, Patton.
Geog 421 and 485. *Field Methods and Cartography (First Term).* 6 hours.
First four weeks, June 23-July 18.
Geog 422 and 486. *Field Methods and Cartography (Second Term).* 6 hours.
Second four weeks, July 21-August 15.
- Geog 435. **Urban Geography.** (G) 3 hours.
First four weeks, June 23-July 18. Urban patterns, forms, and functions. Smith.
- Geog 471. **Geography of Europe.** (G) 3 hours.
Three weeks, August 18-September 5. Emphasis on western Europe. Bowen.
- Geog 491. **Cultural Geography.** (G) 3 hours.
Second four weeks, July 21-August 15. Systematic study of the elements of the cultural landscape; origins and spread of ways of living; treatment of culture by geographers. Kramer.
- Geog 501. **Research.** Hours to be arranged.
Eight-week and eleven-week sessions.
- Geog 503. **Thesis.** Hours to be arranged.
Eight-week and eleven-week sessions.
- Geog 505. **Reading and Conference.** Hours to be arranged.
Eight-week and eleven-week sessions.
- Geog 507. **Seminar.** Hours to be arranged.
Eight-week and eleven-week sessions.
- Geog 508. **Workshop: The Geography Curriculum in the Public Schools.** 3 hours.
First four weeks, June 23-July 18. Trends in the teaching of geography—teaching techniques: inductive approach, field work, student research, and course organization. Students may work on problems of individual interest and prepare useful materials for the coming year. Bennett.
- Geog 508. **Workshop: Visual Aids in Geography.** 3 hours.
Second four weeks, July 21-August 15. Preparation of maps for instruction at all levels; use of maps in teaching the inductive method; preparation and use of overhead transparencies for geographic instruction; taking and showing of slides for geography courses. Searl.

Geology

Associate Professors: KAYS, LUND.

Assistant Professors: BOGGS, ORR, THORMAN.

- Geol 101, 102, 103. **General Geology.** 4 hours each term.
Earth materials, processes, and forms; formation of economic mineral deposits; the main events in earth history. Lectures, laboratory, and field trips. Thorman, Orr.
- Geol 101. *General Geology (First Term).* 4 hours.
First four weeks, June 23-July 18.
- Geol 102. *General Geology (Second Term).* 4 hours.
Second four weeks, July 21-August 15.
- Geol 103. *General Geology (Third Term).* 4 hours.
Three weeks, August 18-September 5.
- Geol 401. **Research.** Hours to be arranged.
Eight-week and eleven-week sessions.
- Geol 405. **Reading and Conference.** Hours to be arranged.
Eight-week and eleven-week sessions.
- Geol 406. **Field Geology.** 9 hours.
Eight-week session. Geological field work in selected parts of Oregon. Prerequisite: Geol 313, Geol 393, and consent of instructor. Kays, Boggs.
- Geol 407. **Seminar.** Hours to be arranged.
Eight-week and eleven-week sessions.
- Geol 408. **Workshop: Geology of Southeastern Oregon.** (g) 2 hours.
One week, June 16-21. Field study of a region in southeastern Oregon with emphasis on structural, volcanic, and glacial landforms. The trip will be a circuit that begins in Bend and extends as far east as the Steens Mountains and includes the John Day region. Advance registration required by May 15. Fees including tuition are approximately \$71 for bus transportation and materials. Lund.
- Geol 455. **Studies in Physical Geology.** (g) 3 hours.
First four weeks, June 23-July 18. Survey course designed primarily for teachers of earth science. Origin and composition of rocks and minerals, structure of earth, volcanism, earthquakes, molding of the landscape by physical processes. Lectures, field trips.
- Geol 501. **Research.** Hours to be arranged.
Eight-week and eleven-week sessions.
- Geol 503. **Thesis.** Hours to be arranged.
Eight-week and eleven-week sessions.
- Geol 505. **Reading and Conference.** Hours to be arranged.
Eight-week and eleven-week sessions.
- Geol 506. **Advanced Field Geology.** Hours to be arranged.
Eight-week and eleven-week sessions. Geologic field work chiefly in connection with graduate theses. Emphasis on individual problems. Prerequisite: graduate standing, consent of thesis adviser.
- Geol 507. **Seminar.** Hours to be arranged.
Eight-week and eleven-week sessions.

German and Russian

Associate Professors: BEEBE, DILLER, GONTRUM.

Assistant Professor. McWILLIAMS.

Instructors: BENSELER, BURKHART, MOORAD, RESCHKE, SCOTT, WISHARD.

- GL 50, 51, 52. **First-Year German.** 4 hours first two terms, 3 hours third term.
The fundamentals of grammar, oral drill, and translation of prose selections. Equivalent to First-Year German given during the regular academic year.
- GL 50. *First-Year German (First Term).* 4 hours.
First four weeks, June 23-July 18.
- GL 51. *First-Year German (Second Term).* 4 hours.
Second four weeks, July 21-August 15.
- GL 52. *First-Year German (Third Term).* 3 hours.
Three weeks, August 18-September 5.
- GL 101, 102, 103. **Second-Year German.** 4 hours first two terms, 3 hours third term.
Review of grammar and composition; reading of selections from representative authors; conversation. Approximate equivalent to Second-Year German given during the regular academic year.
- GL 101. *Second-Year German (First Term).* 4 hours.
First four weeks, June 23-July 18.
- GL 102. *Second-Year German (Second Term).* 4 hours.
Second four weeks, July 21-August 15.
- GL 103. *Second-Year German (Third Term).* 3 hours.
Three weeks, August 18-September 5.
- GL 320, 321. **German for Reading Knowledge.** 3 hours each term.
Eight-week session. Intensive practice in grammar, followed by the reading of texts in the student's major field. This course is primarily intended for graduate students.
- GL 320. *German for Reading Knowledge (First Term).* 3 hours.
First four weeks, June 23-July 18.
- GL 321. *German for Reading Knowledge (Second Term).* 3 hours.
Second four weeks, July 21-August 15.
- GL 334. **German Composition and Conversation.** 3 hours.
Eight-week session. Extensive practice in speaking and writing. Conducted in German. Prerequisite: two years of college German or consent of instructor. Wishard.
- GL 405. **Reading and Conference.** (G) Hours to be arranged.
Eleven-week session. Readings and reports in selected periods of German literature.
- GL 421, 422, 423. **German Literature of the Twentieth Century.** (G) 2 hours each term.
Representative prose, poetry, and drama by contemporary German authors and those of the recent past; particular attention to experimental forms in the theater from Hauptmann to Zuckmayer, and to the novels of Thomas Mann and Hermann Hesse. McWilliams.
- GL 421. *German Literature of the Twentieth Century (First Term).* 2 hours.
First four weeks, June 23-July 18.
- GL 422. *German Literature of the Twentieth Century (Second Term).* 2 hours.
Second four weeks, July 21-August 15.
- GL 423. *German Literature of the Twentieth Century (Third Term).* 2 hours.
Three weeks, August 18-September 5.
- GL 503. **Thesis.** Hours to be arranged.
Eight-week session.
- GL 505. **Reading and Conference.** Hours to be arranged.
Eleven-week session. Readings and reports in selected periods of German literature.
- GL 508. **Workshop: Methods and Materials for Teaching Modern Languages.** 6 hours.
June 23-July 18. Designed to assist secondary-school teachers in the effective

use of current textbooks and materials, including those approved for Oregon, California, and Washington. Offered in cooperation with the State Department of Education by the members of the University staff who offer the courses in methods during the regular academic year and who direct the program of practice teaching in foreign languages. Diller.

- GL 546. **Novels of Hermann Hesse.** 3 hours.
Eight-week session. Detailed study of the major works. Gontrum.
- SL 50, 51, 52. **First-Year Russian.** 4 hours each term.
Elementary Russian grammar, reading, conversation, and composition. Beebe.
- SL 50. *First-Year Russian (First Term).* 4 hours.
First four weeks, June 23-July 18.
- SL 51. *First-Year Russian (Second Term).* 4 hours.
Second four weeks, July 21-August 15.
- SL 52. *First-Year Russian (Third Term).* 4 hours.
Three weeks, August 18-September 5.
- SL 405. **Reading and Conference.** Hours to be arranged.
Eleven-week session. Readings and discussion. Beebe.
- SL 503. **Thesis.** Hours to be arranged.
Eleven-week session. Beebe.
- SL 505. **Reading and Conference.** (G) Hours to be arranged.
Eleven-week session. Readings and discussion. Beebe.

Health, Physical Education, and Recreation

Visiting Faculty: DIEM, SCHOLTZMETHNER, ULRICH.

Professors: BRUMBACH, CLARKE, ESSLINGER, EVONUK, HAAR, McCUE, RHODA, RODNEY, SIGERSETH, SPRAGUE.

Associate Professors: BORCHARDT, FORD, GESER, KIME, PUCKETT, REUTER, W. SMITH, WOOTEN.

Assistant Professors: BRUBAKER, MUNSON, SCHLAADT, VAN ROSSEN.

Instructors: BORREVIK, DIONNE, NORRIS, R. SMITH.

Workshops

PE 408. **Workshop: Institute in Secondary-School and College Physical Education.** 1-6 hours.

First three weeks, June 23-July 11. Designed for junior- and senior-high-school teachers as well as college teachers. Emphasis on improvement of teaching and improvement of competency in performing physical activities. All sections include teaching materials and method. Class sessions begin on registration day, June 23. All institute classes terminate late afternoon Friday, July 11. Puckett, staff.

Areas for participation and study:

Gymnastics. 1-4 hours.

Track and Field. 1-3 hours.

Individual and Dual Sports. 1-2 hours.

Fencing. 1 hour.

LaCrosse. 2 hours.

Movement Education. 1-2 hours.

Team Sports. 1-2 hours.

Additional areas to be designated: *Dance, Women's Athletics.*

PE 408, 508. **Workshop: Teaching in Aquatics.** 2 hours.

June 16-20. Methods, teaching techniques and advanced skills of competitive and aquatic activities. Van Rossen.

- PE 408, 508. **Workshop: Elementary-School Physical Education.** 3 hours.
August 3-9. All aspects of elementary-school physical education will be covered. Included will be philosophy, principles, curriculum, methodology, and activities. Diem, Scholtz-methner, R. Smith.
- HE 408, 508. **Workshop: Smoking and Disease.** 2 hours.
June 16-20. The most recent medical-behavioral research and instructional techniques for use in school health education. Schlaadt.
- RM 408, 508. **Workshop: Outdoor Recreation and Camping.** 2-3 hours.
June 16-20. Analysis of techniques; theory of recreational land use; understanding conservation problems; basic Oregon natural history; practical experience to develop leaders of outdoor recreation. Ford.
- PE 506. **Special Problems: Institute in Elementary-School Physical Education.** 9 hours.
July 7-August 15. Content of the institute: orientation; growth and motor skills; curriculum and programming; methodology in teaching the content areas of the program of instruction units; organization, administration, and evaluation. Restricted registration by advance application to project director. Geser, Munson.

Coaching Clinic

- PE 406. **Special Problems: Coaching Clinic.** 1-2 hours.
June 16-20. Special problems of coaching football, basketball, track and field; injury care. Designed for high-school coaches.

Physical Education (Professional Courses)

- PE 405. **Reading and Conference.** Hours to be arranged.
Eight-week session.
- PE 406. **Special Problems.** Hours to be arranged.
Eight-week session.
- PE 406. **Special Problems: Human Anatomy.** 3 hours.
Eight-week session. Gross anatomy; the skeletal and muscular structure; circulatory, respiratory, digestive, and neural systems, and their functioning in physical activities. Brubaker.
- PE 420. **Methods in Elementary-School Physical Education.** 3 hours.
Eight-week session. Program development; methods of instruction in elementary-school physical education. The purposes and requirements of the elementary-physical-education program with emphasis on program planning, methods, and materials of instruction. Prerequisite: PE 221, 222, 223. Norris.
- PE 446. **Tests and Measurements in Physical Education.** (G) 3 hours.
Eight-week session. Use of tests and measurement in physical education; evaluation of objectives, programs, and student achievement through measurement techniques. Reuter.
- PE 472. **Kinesiology.** 3 hours.
Eight-week session. Action of muscles involved in fundamental movements, calisthenics, gymnastics, and athletics. Prerequisite: Bi 391, 392. Brubaker.
- PE 473. **Physiology of Exercise.** 3 hours.
Eight-week session. Physiological effects of muscular exercise, physical conditioning, and training; significance of these effects for health and for performance in activity programs. Prerequisite: Bi 312, 313. Brubaker.
- PE 501. **Research.** Hours to be arranged.
Eight-week session.

- PE 503. **Thesis.** Hours to be arranged.
Eight-week session.
- PE 505. **Reading and Conference.** Hours to be arranged.
Eight-week session.
- PE 506. **Special Problems.** Hours to be arranged.
Eight-week session.
- PE 506. **Special Problems: Athletics for Women.** 3 hours.
Eight-week session. Current problems and status of athletics for women will be explored along with consideration of present practice and historical background. McCue.
- PE 507. **Seminar: Philosophy of Physical Education.** 3 hours.
Eight-week session. Integration and application of the philosophic process as a foundation for the development of a meaningful philosophy of modern physical education. McCue.
- PE 507. **Seminar: Comparative Physical Education.** 3 hours.
Eight-week session. Review and evaluation of current systems of physical education in different countries of the world. Particular emphasis will be devoted to programs in western European countries, Russia, and Japan. Esslinger.
- PE 507. **Seminar: Advanced Exercise Physiology.** 3 hours.
Eight-week session. Physiological principles and facts related to human performance, physical conditioning, and training. Prerequisite: Bi 312, 313. Evonuk.
- PE 507. **Seminar: Scientific Bases of Physical Education.** 3 hours.
July 7-August 15. Application of principles derived from anatomy, physiology, psychology, sociology, and human growth and development to the philosophy, organization, and methodology of teaching and research. Ulrich.
- PE 507. **Seminar: Sociological Bases of Physical Education.** 3 hours.
July 7-August 15. Exploring the basic tenets of social structure and relating them to the disciplinary content of physical education. Ulrich.
- PE 520. **Developmental Program in Physical Education.** 3 hours.
Eight-week session. Programs to meet individual physical-fitness and social needs through physical-education activities; case-study techniques, developmental programs, development of social traits; administrative problems. Prerequisite: PE 444, PE 446. Reuter.
- PE 521. **Basic Procedures in Corrective Physical Education.** 3 hours.
Eight-week session. Common postural deviations; causes; basic principles underlying the prescription of exercise for those conditions which may be handled safely by the physical-education teacher; methods of referral when advisable. Prerequisite: Bi 391, 392; PE 472. Wooten.
- PE 533. **Motor Skill Learning.** 3 hours.
Eight-week session. Review of the psychology of learning as it pertains to motor skills; research bearing upon the teaching and learning of gross motor skills. Prerequisite: PE 517, PE 540, at least one year's teaching experience. Brumbach.
- PE 540. **Statistical Methods in Physical Education.** 3 hours.
Eight-week session. Elementary statistics applied to research, including central tendency, variability, normal probability curve, reliability, and correlation. Prerequisite: graduate standing. Clarke.
- PE 544. **Methods of Research.** 3 hours.
Eight-week session. Study of the methods and techniques of research in health, physical education, and recreation; practice in application to problems of current interest. Rhoda.

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PE 552. **Administration of Athletics.** 3 hours.

Eight-week session. Historical development of athletics and their control. Place of athletics in education; purposes, administrative control, management, operational policies, care of equipment and facilities. Sprague.

PE 556. **Administration of Buildings and Facilities.** 3 hours.

Eight-week session. Building layout and equipment; the relationship of the various functional units—equipment service, dressing facilities, activity spaces, administrative units, permanent and dismantlable equipment. Rhoda.

PE 558. **Curriculum Construction in Physical Education.** 3 hours.

Eight-week session. Basic elements and procedures of curriculum construction in physical education; special application at the city, county, and state levels. For supervisors and administrators of physical-education programs. Sprague.

PE 563. **Growth of Body Tissues and Organs.** 3 hours.

Eight-week session. Study of materials important to teachers and others concerned with child growth. Ossification of the child's skeleton, calcification and eruption of teeth, morphologic development of heart and voluntary musculature, age changes in subcutaneous adipose tissue. Prerequisite: PE 561. Wooten.

PE 573. **Gross Anatomy.** 3 hours.

Eight-week session. Principles and facts in the fields of myology, osteology, arthrology, neurology, and angiology. Intended for college teachers of physical education who give instruction in anatomy, kinesiology, and physiology of exercise. Application to body movement and performance. Prerequisite: Bi 391, 392 or equivalent. Evonuk.

PE 575. **Mechanical Analysis of Motor Skills.** 3 hours.

Eight-week session. Analysis of various physical-education activities to determine their relation to laws of physics concerning motion, force, inertia, levers, etc. Prerequisite: Bi 391, 392; PE 472, or equivalent. Sigersteth.

Physical Education (Service Courses)

PE 180, 190, PE 380, 390. **Body Building.** 1 hour.

Eight-week session. For men and women. Van Rossen.

PE 180, 190, PE 380, 390. **Golf.** 1 hour.

Eight-week session. For men and women. Borchardt.

PE 180, 190, PE 380, 390. **Swimming.** 1 hour.

Eight-week session. For men and women. Van Rossen, Borchardt.

PE 180, 190, PE 380, 390. **Tennis.** 1 hour.

Eight-week session. For men and women. Borrevik, Borchardt, Van Rossen.

Health Education (Professional Courses)

HE 250. **Personal Health.** 3 hours.

Eight-week session. Study of the personal health problems of university men and women, with emphasis on implications for family life. Mental health, communicable diseases, degenerative diseases, nutrition. Satisfies the University requirement in health education for men and women. Schlaadt.

HE 252. **First Aid.** 3 hours.

Eight-week session. Immediate and temporary care for a wide variety of injuries or illnesses, control of bleeding, care for poisoning, and proper methods of transportation, splinting, and bandaging. Successful completion of course leads to Red Cross standard, advanced, and instructors' certificates. Dionne.

- HE 405. **Reading and Conference.** Hours to be arranged.
Eight-week session.
- HE 406. **Special Problems.** Hours to be arranged.
Eight-week session.
- HE 409. **Practicum.** Hours to be arranged.
Eight-week session.
- HE 450. **Elementary-School Health Education (g)** 3 hours.
Eight-week session. The purposes and requirements of the school health program with emphasis on organization and procedures for the school health examination. Organization and presentation of teaching materials based on the health needs of the child, community needs, and school health services. W. Smith.
- HE 463. **Social Health (G)** 3 hours.
Eight-week session. Sex education content, methods, and materials appropriate for junior and senior high schools. Prerequisite: senior standing in health education or biology; graduate standing in education or physical education. Kime.
- HE 467. **Driver Education.** 3 hours.
Eight-week session. Designed to prepare teachers to conduct driver education courses in the secondary schools. Use of teaching devices, development of instructional units. Schlaadt.
- HE 501. **Research.** Hours to be arranged.
Eight-week session.
- HE 503. **Thesis.** Hours to be arranged.
Eight-week session.
- HE 505. **Reading and Conference.** Hours to be arranged.
Eight-week session.
- HE 506. **Special Problems.** Hours to be arranged.
Eight-week session. Study of selected problems in health education. Prerequisite: consent of dean.
- HE 506. **Special Problems. Traffic Safety.** 3 hours.
Eight-week session. Organization and administration of driver education; personal psychological problems of driving, traffic enforcement, engineering, safety teaching materials, methods of instruction in driver education. Haar.
- HE 507. **Seminar: Philosophical Foundations of Health Education.** 3 hours.
Eight-week session. An examination of the development of health concepts and health education programs. Historical and contemporary unifying ideas of health and health education. Kime.
- HE 509. **Practicum.** Hours to be arranged.
Eight-week session.
- HE 542. **Basic Issues in Health Education.** 3 hours.
Eight-week session. Current basic issues and problems in school health education; economic and social forces affecting health education; implications for programs. Haar.
- HE 543. **Advanced Health Instruction.** 3 hours.
Eight-week session. Organization of the public school health instruction program; for health teachers, supervisors, and coordinators. Basic steps in the development of the program. Prerequisite: HE 464 or consent of instructor. W. Smith.

Recreation Management (Professional Courses)

- RM 405. **Reading and Conference.** Hours to be arranged.
Eight-week session.

- RM 406. **Special Problems.** Hours to be arranged.
Eight-week session.
- RM 407. **Seminar: Program Analysis and Practices.** 1-6 hours.
Eight-week session. Linkage between theoretical concepts and participation in supervised field work. Rodney.
- RM 407. **Seminar: Community Recreation.** 3 hours.
Eight-week session. Concepts of community recreation; scope of recreation in American life; the role of leisure and recreation in contemporary American society. Ford.
- RM 409. **Practicum.** Hours to be arranged.
Eight-week session.
- RM 415. **Recreation Field Work.** 1-9 hours; hours to be arranged.
Eight-week session. Rodney.
- RM 501. **Research.** Hours to be arranged.
Eight-week session.
- RM 503. **Thesis.** Hours to be arranged.
Eight-week session.
- RM 505. **Reading and Conference.** Hours to be arranged.
Eight-week session.
- RM 506. **Special Problems.** Hours to be arranged.
Eight-week session.
- RM 507. **Seminar.** Hours to be arranged.
Eight-week session.
- RM 507. **Seminar: Current Problems in Recreation.** 3 hours.
Eight-week session. Current basic issues and problems in recreation education and administration; social and economic forces affecting recreation; implications for programs. Rodney.
- RM 507. **Seminar: Community Recreation.** 3 hours.
Eight-week session. Concepts of community recreation; scope of recreation in American life; the role of leisure and recreation in contemporary American life. (Not open to recreation-management majors.) Ford.
- RM 554. **Problems of Camp Management.** 3 hours.
Eight-week session. Analysis of problems under various types of camp sponsorship; principles, techniques, resources, administrative practices; principles and problems of leadership and group behavior. Ford.

History

Visiting Faculty: WAX.

Professors: ALEF, BINGHAM, GOVAN.

Associate Professor: HANNA.

Assistant Professors: BERDAHL, BRADY, CHICKERING, KIMBALL, FALCONERI, QUINN.

Hst 101. **History of Western Civilization.** 3 hours.

Eight-week session. Origin and development of Western civilization from ancient times through the Middle Ages.

Hst 102. **History of Western Civilization.** 3 hours.

Eight-week session. From the Renaissance through the Napoleonic wars. Brady.

- Hst 103. **History of Western Civilization.** 3 hours.
Eight-week session. From 1815 to the present. Kimball.
- Hst 201. **History of the United States.** 3 hours.
Eight-week session. From Colonial times to about 1840. Wax.
- Hst 202. **History of the United States.** 3 hours.
Eight-week session. From 1840 to 1900.
- Hst 203. **History of the United States.** 3 hours.
Eight-week session. Since 1900.
- Hst 351. **Hispanic America.** 3 hours.
Eight-week session. The wars for independence and the early republican years. Woodham.
- Hst 352. **Hispanic America.** 3 hours.
Eight-week session. Internal development of the modern states and inter-American relations. Woodham.
- Hst 392. **Far East in Modern Times.** 3 hours.
Eight-week session. Political, economic, and diplomatic history of China, Japan, and Korea, with some attention to Asiatic Russia and the Philippines from the middle of the nineteenth century to 1914.
- Hst 393. **Far East in Modern Times.** 3 hours.
Eight-week session. From 1914 to the present.
- Hst 405. **Reading and Conference.** Hours to be arranged.
Eight-week session.
- Hst 407. **Seminar: The American Negro.** 3 hours.
Eight-week session. Wax.
- Hst 407. **Seminar: The American Revolution.** 3 hours.
Eight-week session. Hanna.
- Hst 407. **Seminar: American Intellectual History.** 3 hours.
Eight-week session. Bingham.
- Hst 407. **Seminar: Russia.** 3 hours.
Eight-week session. Alef.
- Hst 408. **Colloquium: 19th-Century Germany.** 3 hours.
Eight-week session. Berdahl.
- Hst 408. **Colloquium: Nationalism.** 3 hours.
Eight-week session. Chickering.
- Hst 408. **Colloquium: History of Science.** 3 hours.
Eight-week session. Quinn.
- Hst 416. **History of Science.** (G) 3 hours.
Eight-week session. The growth of scientific ideas, the cultural and institutional context in which they have taken shape, and their relationship to other movements of thought in the history of western culture. The development of natural science from the seventeenth century to the present. Quinn.
- Hst 437. **History of Germany.** (G) 3 hours.
Eight-week session. From 1848 to 1900. Berdahl.
- Hst 438. **History of Germany.** (G) 3 hours.
Eight-week session. Twentieth-century Germany. Chickering.
- Hst 447. **History of Russia.** (G) 3 hours.
Eight-week session. The Kievan state and the emergence of Muscovy. Alef.
- Hst 449. **History of Russia.** (G) 3 hours.
Eight-week session. Revolutionary Russia, 1861 to the present. Kimball.

- Hst 478. **History of the Pacific Northwest.** (G) 3 hours.
Eight-week session. Detailed study of the building of civilization in the Pacific Northwest. Prerequisite: Hst 201, 202 or consent of instructor. Bingham.
- Hst 501. **Research.** Hours to be arranged.
Eight-week session.
- Hst 503. **Thesis.** Hours to be arranged.
Eight-week session.
- Hst 505. **Reading and Conference.** Hours to be arranged.
Eight-week session.
- Hst 507. **Seminar: The American Negro.** 3 hours.
Eight-week session. Wax.
- Hst 507. **Seminar: The American Revolution.** 3 hours.
Eight-week session. Hanna.
- Hst 507. **Seminar: American Intellectual History.** 3 hours.
Eight-week session. Bingham.
- Hst 507. **Seminar: Russia.** 3 hours.
Eight-week session. Alef.
- Hst 508. **Colloquium: Nineteenth-Century Germany.** 3 hours.
Eight-week session. Berdahl.
- Hst 508. **Colloquium: Nationalism.** 3 hours.
Eight-week session. Chickering.
- Hst 508. **Colloquium: History of Science.** 3 hours.
Eight-week session. Quinn.

Home Economics

Assistant Professor: PELCH.

Instructors: CLARK, KING, MCKENZIE, MILLER.

- HEc 222. **Family Relationships.** 2 hours.
Eight-week session. Values and goals of modern family life; family roles of men and women; choice of a marriage partner; adjustment to family life. McKenzie.
- HEc 225. **Nutrition.** 3 hours.
Eight-week session. Study of the functions of nutrients in the body; food sources for the maintenance of a high degree of vitality throughout life; current national and international nutritional problems; evaluation of nutrition information in the mass media. King.
- HEc 325. **Child Care.** 3 hours.
Second four weeks, July 21-August 15. Current concepts of growth and development; prenatal care; behavior and development of the preschool child; the needs of the young child in the family; adult-child relationships. Clark.
- HEc 430. **Personal and Family Finance.** 3 hours.
First four weeks, June 23-July 18. Management of personal and family income including budgeting, use of consumer credit, insurance, social security, savings and investments, taxes, home ownership, and estate planning. Miller.
- Ed 408. **Workshop: Nutrition Education in Action.** (g) 3 hours.
First two weeks, June 23-July 3. A practical application of nutrition information for elementary teachers, physical-education teachers, coaches, health

educators, and community workers. Relation of nutrition to the growth and development of young children and to the physical fitness of teenagers, athletes, young college adults, and parents. Instructional aids and resources which may be used to coordinate nutrition with school, home and community activities. Preparation of a related paper suited to individual needs. Pelch.

Interdisciplinary Studies

Professors: GANGE, RECKORD.

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

Eight-week and eleven-week sessions.

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

Eight-week and eleven-week sessions.

ISt 507. **Seminar: International Studies.** 8 to 12 hours.

Eight-week session. The politics and problems of development of an international resource, the Columbia River. Gange, Reckord.

Journalism

Professors: DUNCAN, WALES.

Associate Professors: EWAN, FREEMESSER, WEBB, WINTER.

Assistant Professors: LEMERT, NESTVOLD, REA.

Instructor: WILLIAMS.

J 335. **Photography.** 3 hours.

Eight-week session. Study of principles of photography, emphasizing processing and printing of pictures. Lecture and laboratory. Freemesser.

J 341. **Principles of Advertising.** 3 hours.

Advertising as a factor in the distributive process; the advertising agency; the "campaign"; the function of research and testing; the selection of media; newspaper, magazine, broadcasting, outdoor advertising, direct mail. Winter.

J 403. **Thesis.** 1-3 hours.

Eight-week session.

J 405. **Reading and Conference.** 1-3 hours.

Eight-week session.

J 421. **Newspaper Management.** (G) 3 hours.

Eight-week session. Management problems of the newspaper; plant and equipment; personnel; administration and coordination of editorial, advertising, and mechanical departments; business office operations. Webb.

J 431. **Radio-Television News I.** 3 hours.

Eight-week session. Gathering and writing news for broadcast media. Emphasis on broadcast style, basic aspects of radio-television news writing, and radio news operation. Lectures, individual conferences, and laboratory. Nestvold.

J 455. **Methods of Teaching Journalism.** (G) 2 hours.

First four weeks, June 23-July 18. The teacher's role in guiding student publications in secondary schools; methods of teaching of journalism. Rea.

- J 459. **Principles of Public Relations.** (G) 3 hours.
Eight-week session. Theory and practice of public relations as viewed by business, government, and civic organizations; study of mass media as publicity channels; the role of the public relations practitioner; public relations departments and agencies. Ewan.
- J 494. **Journalism and Public Opinion.** (G) 3 hours.
Eight-week session. The formation, reinforcement, and change of opinions. The role of major social and political institutions, with emphasis upon the mass media of communication. Lemert.
- J 501. **Research.** 1-3 hours.
Eight-week session.
- J 503. **Thesis.** 1-3 hours.
Eight-week session.
- J 505. **Reading and Conference.** 1-3 hours.
Eight-week session.
- J 507. **Seminar: The Critical History of the Documentary Film.** 4 hours.
Eight-week session.
- J 507. **Seminar: Advanced Photography.** 1-3 hours.
Eight-week session.

Librarianship

Visiting Faculty : FIELD, POSTELL, REYNOLDS, TANNER, WALDRON.

Associate Professor : PIERRON.

Assistant Professors : FISHER, J. KEMPER, R. KEMPER, POND.

- Lib 411. **Cataloging and Classification.** (G) 3 hours.
Eight-week session. Instruction and practice in procedures for the classification and cataloging of books, films, filmstrips, phonorecords, and maps. Procedure for ordering and using Library of Congress and Wilson cards. Field.
- Lib 421. **Bibliography and Reference.** (G) 3 hours.
Eight-week session. Introduction to reference services; evaluation and use of reference materials; correct bibliographical forms; practical problems in the use of reference books. Reynolds.
- Lib 431. **The Library in Society.** (G) 3 hours.
Eight-week session. The development of American libraries; their functions as educational institutions; legal structure; interlibrary cooperation; relations with the mass media; librarianship as a profession. Pierron.
- Lib 432. **The School Library as an Instructional Materials Center.** (G) 3 hours.
Eight-week session. Introduction to school librarianship and to methods of organization and maintenance of effective materials-centered libraries in elementary and secondary schools. Tanner.
- Lib 442. **Selection and Acquisition of Materials.** (G) 3 hours.
Eight-week session. Reviewing media, selection aids, and other means of evaluating and selecting books and other materials in the light of library objectives. Pierron.
- Lib 451. **Children's Literature.** (G) 3 hours.
Eight-week session. Survey of children's literature, with emphasis on selection and evaluation of books suitable for public and school libraries; reading guidance in relation to both personal and curricular needs. Postell, Tanner.

- Lib 507. **Seminar in Archival Administration.** 3 hours.
Eight-week session. History of the archival profession. Historical development of practices and problems, with analysis of current trends in federal, state, local, business, church, and university archives. Archival processing, records management procedures, accession, arrangement, storage, and research use of archival source materials. Fisher.
- Lib 512. **Advanced Cataloging and Classification.** 3 hours.
Eight-week session. Problems in the cataloging and classification of books and other library materials; brief survey of theories and experiments in cataloging and classification and their implications for the future. Prerequisite: Lib 411. J. Kemper.
- Lib 522. **Advanced Bibliography and Reference.** 3 hours.
Eight-week session. Reference books in the various subject fields; theory and history of bibliography; interlibrary loan. Prerequisite: Lib 421. Reynolds.
- Lib 523. **Government Publications.** 3 hours.
Eight-week session. The acquisition, organization, and use of government publications of the United States, selected foreign countries, and international organizations, with special attention to United States government documents. Prerequisite: Lib 421. Field.
- Lib 538. **Library Administration.** 3 hours.
Eight-week session. Process of administration as applied to the government, organization, staffing, financing, housing, interpretation, and evaluation of libraries. Student projects relate the processes to specific types of libraries. Prerequisite: 9 hours in librarianship. Waldron.
- Lib 543. **Instructional Materials Centers: Resources and Services.** 3 hours.
Eight-week session. Advanced problems in the organization and administration of the school library as an instructional materials center at the system, district, and regional level. Prerequisite: Lib 432 or consent of instructor. Pond.
- Lib 558. **Storytelling.** 3 hours.
Eight-week session. Fundamental principles of the art of storytelling, including the planning of a story hour, location of suitable materials for use, and the techniques of learning and presenting the story; study and selection of literature appropriate for oral presentation to children of all ages. Postell, Tanner.
- Lib 571. **Research in Librarianship.** 3 hours.
Eight-week session. Survey of library literature, with attention to significant research in librarianship; selection and definition of a project, collection of data, historical, experimental, and descriptive methods, evaluation of data, statistical concepts; values of research in librarianship. R. Kemper.
- Lib 572. **Library Automation.** 3 hours.
Eight-week session. Flow of recorded information in library development and use, with emphasis on mechanical aids and systems of control. Data-processing techniques from punched cards to computers. Basics of systems analysis and evaluation as applied to library procedures. Prerequisite: Lib 411. R. Kemper.

Mathematics

Visiting Faculty: DIVINSKY, JENNINGS.

Professors: ANDERSON, GHENT, A. MOURSUND, NIVEN.

Associate Professors: MAIER, D. MOURSUND, VAN BUSKIRK.

Assistant Professor: BENSON.

Instructors: BEELMAN, HELLMAN, SHERMAN.

Upper-division and graduate courses offered by the Department of Mathematics during the summer session differ from those offered during the regular session. Usually, however, the needs of all students can be met. Regular-session students should consult the head of the department before planning their programs.

Candidates for the M.A., M.S., and Ph.D. degrees may obtain detailed information on requirements for these degrees at the Mathematics office.

The department offers a master's degree especially suitable for secondary-school mathematics teachers. The following courses are designed primarily for candidates for this degree:

- Foundations of Mathematics (Mth 457, 458, 459).
- Probability and Statistics (Mth 468, 469).
- Algebra (Mth 478, 479; Mth 578, 580).
- Geometry (Mth 487, 488, 489; Mth 589).
- Analysis (Mth 498, 499; Mth 598, 599).

The department offers these courses on a rotating basis, so that a student may complete a large number of them in four summers. This summer Mth 457, 458; Mth 469, Mth 487, 489; Mth 578; Mth 598, 599 will be offered. Candidates for the degree must meet teacher certification requirements in Oregon or in their home states.

Each summer the department also offers a selection of its regular undergraduate and graduate courses and seminars, with considerable concentration on those of interest to teachers. See also the courses listed under MATHEMATICS INSTITUTES. A limited number of teachers who are not in the institutes may enroll for some of the courses with approval of the directors.

The department also offers a special master's degree suitable for community-college, junior-college, small-college, and high-school teachers which does not require the candidate to meet teacher certification requirements. The program for the degree consists of a combination of regular courses and the more advanced of the special courses listed above.

Mth 95. Intermediate Algebra. 4 hours.

Eight-week session. Intended for students with inadequate preparation for introductory college mathematics courses such as Mth 104 and Mth 107. Prerequisite: one year of high-school algebra.

Mth 104. Introductory College Mathematics. 4 hours.

Eight-week and eleven-week sessions. College algebra and trigonometry. Prerequisite: one and one-half years of high-school algebra or intermediate algebra in college.

Mth 105. Introductory College Mathematics. 4 hours.

Eleven-week session. The second term of the basic freshman course. Analytic geometry, and other selected topics. Prerequisite: trigonometry or Mth 104.

Mth 106. Introductory College Mathematics. 4 hours.

Eleven-week session. Elementary calculus of polynomials with necessary topics from analytic geometry. Mathematics majors and other students who desire to make rapid progress should take Mth 200 instead of Mth 106. Prerequisite: Mth 105 or four years of high-school mathematics.

Mth 107. Fundamentals of Mathematics. 4 hours.

Eight-week session. First term of a terminal-type sequence not intended as preparation for Mth 200 or Mth 204; especially suitable for majors in the social sciences, the humanities, and business administration. Elements of mathematical logic and set theory, matrices and linear programming, and related topics. Prerequisite: one and one-half years of high-school algebra or intermediate algebra in college.

Mth 108. Fundamentals of Mathematics. 4 hours.

Eight-week session. See Mth 107 description. The second term of the sequence.

Probability theory, selected algebraic topics, etc. Prerequisite: Mth 107 or equivalent.

Mth 109. Fundamentals of Mathematics. 4 hours.

Eleven-week session. See Mth 107 description. The third term of the sequence. Course content the same as Mth 106. Prerequisite: Mth 108 or equivalent.

Mth 121. Mathematics for Elementary Teachers. 3 hours.

Eight-week session. The first term of a two-term sequence required in the elementary-teacher program. Basic concepts of arithmetic and elementary algebra. Emphasis on the real number system and deductive processes within the system. Sherman.

Mth 122. Mathematics for Elementary Teachers. 3 hours.

Eight-week session. The second term of the required two-term sequence in the elementary-teacher program. Prerequisite: Mth 121 or equivalent, or consent of instructor. Sherman.

Mth 200, 201, 202, 203. Calculus with Analytic Geometry. 4 hours each term.

A four-term sequence in differential and integral calculus, with topics from analytic geometry included as needed. Students should consult the department for information concerning topics covered in each term. Prerequisite: Mth 104 or equivalent with a grade of A or B; or Mth 104 and Mth 105 or equivalent; or four years of high-school mathematics with excellent grades.

Mth 200. *Calculus with Analytic Geometry (First Term).* 4 hours.

First five and one-half weeks, June 23-July 30.

Mth 201. *Calculus with Analytic Geometry (Second Term).* 4 hours.

First five and one-half weeks, June 23-July 30.

Mth 201. *Calculus with Analytic Geometry (Second Term).* 4 hours.

Second five and one-half weeks, July 31-September 5.

Mth 202. *Calculus with Analytic Geometry (Third Term).* 4 hours.

First five and one-half weeks, June 23-July 30.

Mth 202. *Calculus with Analytic Geometry (Third Term).* 4 hours.

Second five and one-half weeks, July 31-September 5.

Mth 203. *Calculus with Analytic Geometry (Fourth Term).* 4 hours.

Eleven-week session.

Mth 203. *Calculus with Analytic Geometry (Fourth Term).* 4 hours.

Second five and one-half weeks, July 31-September 5.

Mth 405. Reading and Conference. Hours to be arranged.

Eight-week and eleven-week sessions.

Mth 407. Seminar. (g) Hours to be arranged.

Eight-week and eleven-week sessions.

Mth 407. Seminar: Undergraduate Research Participants. (g) 12 hours.

Ten weeks, June 23-August 29. Selected topics for program participants only.

Mth 411. Introductory Linear Algebra. (g) 3-4 hours.

Eight-week and eleven-week sessions. Computational matrix algebra, vector spaces, systems of linear equations, matrices, determinants, characteristic roots, quadratic forms and diagonalization. Equivalent to the special teachers' course, Mth 479. Prerequisite: Mth 202 or 205 or consent of department.

Mth 412. Linear Algebra. (G) 3-4 hours.

Eight-week and eleven-week sessions. Proofs of theorems on basis and dimension in abstract vector spaces; linear transformations, the minimal polynomial; determinant of a linear transformation; characteristic roots and vectors; orthogonal, unitary, and symmetric transformation. Prerequisite Mth 411 or equivalent.

Mth 415. Introduction to Abstract Algebra. (G) 3 hours.

Eight-week session. Basic concepts of algebra; groups, rings, fields, the integers and other topics. Prerequisite: linear algebra or consent of instructor.

Mth 416. Introduction to Abstract Algebra. (G) 3-4 hours.

Eight-week and eleven-week sessions. Introduction to the theory of rings, integral domains, fields and related topics. Prerequisite: Mth 415 or elementary-group theory or consent of instructor.

Mth 418. Differential Equations. (g) 3-4 hours.

Eight-week and eleven-week sessions. Linear differential equations, applications, systems of equations. Prerequisite: a year sequence in college calculus or consent of department.

Mth 419. Functions of Several Variables. (g) 3-4 hours.

Eight-week and eleven-week sessions. Infinite series, power series, partial differentiation, multiple integrals, and other related topics. Prerequisite: a year sequence in college calculus or consent of department.

Mth 425. Elements of Statistical Methods. (g) 3 hours.

Eight-week session. Introductory course in statistics. Prerequisite: Mth 95 or one and one-half years of high-school algebra.

Mth 438. Introduction to Topology. (G) 3-4 hours.

Eight-week and eleven-week sessions. Path-connected and simply-connected spaces, the fundamental group, identification spaces, classification of 2-manifolds and related topics. Prerequisite: Mth 437 or consent of instructor. Van Buskirk.

Mth 457. Foundations of Mathematics. (g) 4 hours.

Eight-week session. Foundations of arithmetic and elementary algebra. Recommended for junior-high-school teachers. Prerequisite: one year of college mathematics.

Mth 458. Foundations of Mathematics. (g) 3 hours.

Eight-week session. First quarter of a two-quarter course covering elementary logic and set theory, propositional calculus, algebra of sets, functions and relations, cardinal numbers, point sets on the real line. Prerequisite: consent of department.

Mth 469. Probability and Statistics II. (g) 3 hours.

Eight-week session. Continuation and amplification of Probability and Statistics I (Mth 468) which covered elementary-probability theory with special emphasis upon the binomial and normal probability functions and statistical inference. Prerequisite: Mth 468 or equivalent. Baartz.

Mth 487. Geometry I. (G) 4 hours.

Eight-week session. Axiomatic development of Euclidean geometry from both metric and synthetic points of view. Prerequisite: one year of college mathematics. Ghent.

Mth 489. Geometry III. (G) 4 hours.

Eight-week session. Topics selected from non-Euclidean geometries. Prerequisite: Geometry I or consent of department.

Mth 501. Research. Hours to be arranged.

Eight-week and eleven-week sessions.

Mth 503. Thesis. Hours to be arranged.

Eight-week and eleven-week sessions.

Mth 505. Reading and Conference. Hours to be arranged.

Eight-week and eleven-week sessions.

Mth 507. Seminar. Hours to be arranged.

Eight-week and eleven-week sessions.

Computer Science

CS 233. Introduction to Numerical Computation. 3 hours.

Eight-week session. Basic principles of computation; programming a computer in an algebraic language. Prerequisite: Mth 104 or equivalent.

- CS 405. **Reading and Conference.** Hours to be arranged.
Eight-week and eleven-week sessions.
- CS 407. **Seminar.** (g) Hours to be arranged.
Eight-week and eleven-week sessions.
- CS 481. **Assembly Language Programming.** (g) 4 hours.
Eight-week session. Principles of programming in assembly language; introduction of information-processing techniques. Laboratory experience in programming a variety of problems. Prerequisite: CS 233 or equivalent. Heilman.
- CS 501. **Research.** Hours to be arranged.
Eight-week and eleven-week sessions.
- CS 505. **Reading and Conference.** Hours to be arranged.
Eight-week and eleven-week sessions.
- CS 507. **Seminar.** Hours to be arranged.
Eight-week and eleven-week sessions.

Mathematics Institutes

The University has been granted funds by the National Science Foundation, and will conduct the following institutes all of which will be held during the eight-week summer session. Stipends of \$75 per week, exemption from most fees, allowances for dependents, and travel allowances are available for about 85 high-school teachers and 28 college teachers.

Institute courses which parallel regular summer-session courses already described are not again listed in this section. Some institute courses are open only to institute participants. Those open to a limited number of noninstitute teachers are designated with an asterisk (*).

Summer Institute in Mathematics for Secondary-School Teachers.

A. F. Moursund, director.

- *Mth 431. **Introduction to Analysis.** (G) 4 hours.
Eight-week session. Real numbers, functions, limits, continuity, uniform continuity, derivatives, integrals, the fundamental theorem of the calculus. Prerequisite: a course in calculus. A. F. Moursund.
- *Mth 432. **Introduction to Analysis.** (G) 4 hours.
Eight-week session. Sequences and series of real numbers and functions: convergence, uniform convergence; basic theorems on termwise integration and differentiation; applications. Divinsky.
- *Mth 462. **Combinatorial Analysis.** (g) 2 hours.
First four weeks, June 23-July 18. The number of ways of doing a well defined operation. A knowledge of permutations and combinations is assumed. Prerequisite: consent of department. Niven.
- CS 463. **Electronic Computing.** (g) 3 hours.
Eight-week session. An introduction to FORTRAN programming and computing using the I.B.M. 360 computer. Prerequisite: consent of instructor.
- Mth 507. **Seminar.** 1-2 hours.
Eight-week session. Jennings, Maier.
- Mth 578. **Introduction to Algebraic Systems.** 4 hours.
Eight-week session. An introduction to modern algebra; groups, basic properties of integers, elementary theory of rings and fields. Prerequisite: a previous institute course in algebra. Divinsky.

Summer Institute in Numerical Analysis and Computer Programming for High-School Teachers of Mathematics.

D. G. MOURSUND, director.

CS 428. Introduction to Computer Programming. (G) 5 hours.

Eight-week session. A comprehensive introduction to computers, computing and computer science. Students will write a number of programs in FORTRAN. Applications to secondary school curriculum will be discussed. Benson.

CS 507. Introduction to Numerical Analysis. 5 hours.

Eight-week session. Solution of functional equations including polynomial equations, solution of linear systems, Taylor series approximations, interpolating polynomial approximations, numerical differentiation and integration. Emphasis on methods suitable for use on a digital computer. D. G. Moursund.

Summer Institute for College Teachers in Mathematics.

A. F. Moursund, director.

*Mth 598. **Mathematical Analysis.** 4 hours.

Eight-week session. Basic notions of elementary real variable theory treated rigorously but without frills. Functions, limits, continuity, uniform continuity; properties of monotonic and continuous functions; derivatives; Riemann integrals; the fundamental theorem of the calculus. Prerequisite: one mathematics sequence above calculus. A. F. Moursund.

*Mth 599. **Mathematical Analysis.** 4 hours.

Eight-week session. Convergence and uniform convergence of sequences and series; power series; applications. Prerequisite: Mth 431 or equivalent or concurrent registration in Mth 598. Divinsky.

Mth 507. **Curriculum Seminar.** 2 hours.

Eight-week session. Discussion of undergraduate mathematics programs, C.U.P.M. recommendations, and other related topics; particular attention to junior-college mathematics curricula. Jennings, Maier.

Military Science and Aerospace Studies

Military Science

Professor: CURTIS.

Mil 221, 222, 223. **Military Science II.** 1 hour.

Eight-week session. By special arrangement with the professor of military science. Map and aerial photograph reading; American military history; introduction to basic tactics and techniques; counterinsurgency; leadership laboratory.

Mil 221. *Military Science II (First Term).* 1 hour.

Mil 222. *Military Science II (Second Term).* 1 hour.

Mil 223. *Military Science II (Third Term).* 1 hour.

Aerospace Studies

Professor: BAILEY.

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

Eleven-week session. Supervised individual studies covering portions of the

material in AS 300 and AS 400 series courses. Development of airpower in the U.S., aerospace power today, astronautics and space operations, Air Force leadership, and military management. Corps Training. By special arrangement with professor of Aerospace Studies.

Music

Visiting Faculty : APPLEBAUM, NEWMAN, NOWAK.

Professors : BAILEY, BITTNER, CYKLER, HLADKY, LEE, NYE, TROTTER.

Associate Professors : BREIDENTHAL, CUNNINGHAM, GUSTAFSON, WILSON.

Assistant Professors : HURWITZ, MARTIN, MCMANUS, OWEN.

Assistants : BUTLER, GRUENINGER, HILLSTROM.

Mus 190. Performance Studies (Private Instruction). 1-4 hours.

Eight-week session. Individual instruction in the technical and stylistic aspects of artistic solo performance. Information concerning required level of proficiency at each level (Mus 190 through Mus 590) may be obtained in the School of Music office. Prerequisite : audition.

Piano—Bittner, Grueninger.

String Instruments—Hladky,
Hurwitz.

Voice—Bailey, Breidenthal.

Woodwind Instruments—

Cunningham, McManus.

Organ, Harpsichord—Butler.

Brass Instruments—Hillstrom,
Lee.

Mus 195. Band. 1 hour.

Eight-week session. Prerequisite : audition ; consent of instructor. Cunningham, Lee, McManus.

Mus 196. Orchestra. 1 hour.

Eight-week session. Prerequisite : audition ; consent of instructor. Hladky.

Mus 197. Chorus. 1 hour.

Eight-week session. Prerequisite : audition ; consent of instructor. Wilson.

Mus 290. Performance Studies (Private Instruction). 1-4 hours.

Eight-week session. Prerequisite : proficiency required for satisfactory completion of Mus 190. For further information, see Mus 190.

Mus 321. Music Fundamentals. 2 hours.

Eight-week session. Study of musical notation and terminology ; rudiments of sight singing and ear training ; introduction to simple melodic and rhythmic instruments.

Mus 390. Performance Studies (Private Instruction). 2-4 hours.

Eight-week session. Prerequisite : proficiency required for satisfactory completion of Mus 290 ; jury audition. For further information, see Mus 190.

Mus 391. Performance Studies (Private Instruction). 2 hours.

Eight-week session. For students not specializing in performance for their degree program. Prerequisite : completion of Mus 290 ; jury audition. For further information, see Mus 190.

Mus 395. Band. 1 hour.

Eight-week session. Prerequisite : upper-division standing ; audition. Cunningham, Lee, McManus.

Mus 396. Orchestra. 1 hour.

Eight-week session. Prerequisite : upper-division standing ; audition. Hladky.

Mus 397. Chorus. 1 hour.

Eight-week session. Prerequisite : upper-division standing ; audition. Wilson.

- Mus 405. **Reading and Conference.** Hours to be arranged.
Eight-week session. Prerequisite: consent of dean.
- Mus 407. **Seminar.** (G) Hours to be arranged.
Eight-week session.
- *Mus 407. **Seminar: Theory Review.** 1 hour.
Eight-week session. Owen.
- Mus 408. **Workshop in Piano.** (G) 2 hours.
Three weeks, July 28-August 15. Extra fee. Newman.
- Mus 439. **Choral Arranging.** (G) 3 hours.
Eight-week session. Techniques of arranging for various types of choral groups, both accompanied and *a cappella*. Prerequisite: Mus 223. Owen.
- Mus 450. **Listening with Understanding.** (g) 3 hours.
Eight-week session. Designed for undergraduate and graduate students with limited musical background. Not open to music majors or students with credit in Mus 201, 202, 203. Hurwitz.
- Mus 456. **Orchestral Literature.** (G) 2 hours.
Eight-week session. Major types of orchestra music, from the eighteenth to the twentieth century; dance suite, symphony, tone poem, descriptive suite; pieces for string orchestra. Prerequisite: Mus 361. Hladky.
- Mus 460. **Song Literature.** (G) 3 hours.
Eight-week session. Solo songs with accompaniment; the lute air and Purcell; the nineteenth-century art song in Germany and France; twentieth-century British, American, and continental song literature; development of bases for artistic performance and sound critical judgment through study of text, voice, and accompaniment. Prerequisite: Mus 361. Breidenthal.
- Mus 490. **Performance Studies (Private Instruction).** 2-4 hours.
Eight-week session. Prerequisite: proficiency required for satisfactory completion of Mus 390; consent of instructor. For further information see Mus 190.
- Mus 493. **Collegium Musicum.** (G) 1 hour.
Eight-week session. Study of music literature of the mediaeval, Renaissance, and baroque periods through rehearsals and extensive sight reading; vocal and instrumental repertoire. Owen.
- Mus 501. **Research.** Hours to be arranged.
Eight-week session.
- Mus 503. **Thesis.** Hours to be arranged.
Eight-week session.
- Mus 505. **Reading and Conference.** Hours to be arranged.
Eight-week session. Prerequisite: consent of dean.
- Mus 507. **Seminar.** Hours to be arranged.
Eight-week session.
- Mus 507. **Seminar: Beethoven Piano Sonatas.** 2 hours.
Three weeks, July 28-August 15. Analysis and criticism of Beethoven's piano sonatas; emphasis on style as it affects performance and critical judgment. Prerequisite: Mus 361. Newman.
- Mus 507. **Seminar: European Opera.** 3 hours.
Eight-week session. Wilson.
- Mus 507. **Seminar: French Horn Techniques and Literature.** 2 hours.
Eight-week session. Hillstrom.
- Mus 507. **Seminar: Comparative Arts.** 3 hours.
Second four weeks. July 21-August 15. Cykler.

Mus 511. Research Methods in Music. 3 hours.

Eight-week session. Bibliographical studies and introduction to major sources of music and information about music. Cykler.

Mus 565. Music in the Twentieth Century. 3 hours.

Eight-week session. The continuation of romantic ideals; Freud and musical expressionism; political, sociological, and scholarly influences on composing and performing style; eclecticism and Stravinsky. Implications of recent developments. Hurwitz.

Mus 590. Performance Studies (Private Instruction). 2-4 hours.

Eight-week session. Prerequisite: proficiency required for satisfactory completion of Mus 490; sufficient talent to justify the undertaking of graduate studies in performance; jury audition. For further information see Mus 190.

Mus 591. Performance Studies (Private Instruction). 1 hour. (3 hours maximum.)

Eight-week session. For graduate students not specializing in performance. Prerequisite: proficiency required to complete Mus 290; jury audition. For further information see Mus 190.

Mus 592. Performance Studies (Private Instruction). (p) 1 hour. (3 hours maximum.)

Eight-week session. For graduate students who need instruction in a supplementary performance area. Prerequisite: proficiency in another instrument or voice required for admission to Mus 390 or Mus 391; jury audition. For further information see Mus 190.

Mus 595. Band. 1 hour.

Eight-week session. Prerequisite: upper-division standing; audition. Cunningham, Lee, McManus.

Mus 596. Orchestra. 1 hour.

Eight-week session. Prerequisite: upper-division standing; audition. Hladky.

Mus 597. Chorus. 1 hour.

Eight-week session. Prerequisite: upper-division standing; audition. Wilson.

Music Education

MuE 383. Music Methods for Elementary Teachers. 3 hours.

Eight-week session. Planning and organizing musical activities for elementary-school children. Required for elementary-education majors. Prerequisite: Mus 321, 322 or consent of instructor.

MuE 405. Reading and Conference. (G) Hours to be arranged.

Eight-week session. Prerequisite: consent of dean.

MuE 407. Seminar. (G) Hours to be arranged.

Eight-week session.

MuE 407. Seminar: Teaching Music Literature in the High School. (G) 2 hours. First four weeks, June 23-July 18. Martin.***MuE 408. Workshop: Teaching String Instruments.** (G) 2 hours.

One week, June 23-June 27. Extra fee. Applebaum.

MuE 501. Research. Hours to be arranged.

Eight-week session.

MuE 503. Thesis. Hours to be arranged.

Eight-week session.

MuE 505. Reading and Conference. Hours to be arranged.

Eight-week session. Prerequisite: consent of dean.

* No grade course.

- MuE 507. **Seminar.** Hours to be arranged.
Eight-week session.
- MuE 507. **Seminar: Elementary and Junior-High-School Music.** 2 hours.
First four weeks, June 23-July 18. Martin.
- MuE 507. **Seminar: Music Education.** 2 hours.
Eight-week session. Gustafson.
- MuE 508. **Workshop: The Changing Music Curriculum.** 4 hours.
Two weeks, July 21-August 1. Extra fee. Nowak.
- MuE 509. **Practicum.** Hours to be arranged.
Eight-week session.
- MuE 532. **Basic Concepts in the Teaching of Music.** 3 hours.
Eight-week session. Principles and issues in the teaching of music at all levels.
Nye.
- MuE 533. **Music in the Elementary School.** 3 hours.
Eight-week session. Theory, supervision, curriculum, materials, and procedures of vocal-music teaching in the elementary school. Nye.
- MuE 536. **Administration of School Music.** 3 hours.
Eight-week session. Principles underlying a sound policy in the administration of school music programs; budgets, personnel, curriculum, facilities.
Gustafson.
- MuE 537. **Comparative Music Pedagogy.** 3 hours.
Second four weeks, July 21-August 15. Comparative study of the teaching of school music in different cultures; critical judgment of curricula and methods.
Cykler.
- MuE 591. **Advanced Pedagogy.** 3 hours.
Eight-week session. Woodwinds. Cunningham.

Philosophy

Visiting Faculty: HANLY.

Professor: EBERSOLE.

Associate Professor: ZWEIG.

Assistant Professors: GEDDES, LEVI.

Instructor: DAVIE.

- Phl 201. **Problems of Philosophy.** 3 hours.
Eight-week session. An introduction to philosophical problems through the study of philosophical classics. Davie.
- Phl 221. **Elementary Logic.** 3 hours.
Eight-week session. An introduction to the study of reasoning. How to recognize, analyze, criticize, and construct the main type of argument and proof. Ebersole.
- Phl 307. **Social and Political Philosophy.** 3 hours.
Eight-week session. A survey of the major social and political theories from Plato through Marx. Inquiry into such ideas as justice, natural law, natural rights, and the social contract. Hanly.
- Phl 407. **Seminar: Marxist Theories.** (G) 3 hours.
Eight-week session. Study of the more important interpretations of the philosophy of Karl Marx. Hanly.

Phl 411. **Plato.** (G) 3 hours.

Eight-week session. Analysis of Plato's major dialogues. Levi.

Phl 431. **Philosophy in Literature.** (G) 3 hours.

Eight-week session. Selective study of major philosophical ideas and attitudes expressed in the literature of Europe and America. Geddes.

Phl 441. **Aesthetics.** (G) 3 hours.

Eight-week session. Systematic study of the meaning and value of aesthetic experience in everyday life and in the arts—painting, music, literature, etc. Zweig.

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

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

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

Physics

Professor: ELLICKSON.

GS 105. **Physical Science Survey (Second Term).** 4 hours.

Eight-week session. General introduction to the physical sciences; principles of astronomy, physics, and chemistry, geologic processes, and man's relation to them. Emphasis on scientific method.

Ph 417. **Atomic and Nuclear Physics.** (g) 3 hours.

Eight-week session. Atomic structure; elements of spectroscopy. Radioactivity, nuclear reactions, nuclear structure; selected topics in quantum physics. Designed for students preparing for secondary-school teaching.

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

Eight-week and eleven-week sessions.

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

Eight-week and eleven-week sessions.

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

Eight-week and eleven-week sessions.

Ph 507. **Seminar: Selected Topics.** Hours to be arranged.

Eight-week session.

Political Science

Professors: DAVIES, HOVET.

Associate Professors: FISZMAN, HANHARDT, ORBELL.

Assistant Professors: ALLMAN, LEVINE, MEDLER.

PS 100. **American Governments: Concepts and Institutions.** 5 hours.

Eight-week session. Introduction to the concepts of American government, including Federalism and separation of powers; its institutions, including the Presidency, Congress, and the Supreme Court. Allman.

PS 311. **Introduction to Political Analysis.** 5 hours.

Eight-week session. Methods of observation and inquiry concerning political events, with particular attention to the variety and sources of data; basic methods of analysis and inference; portrayal of findings; the elements of re-

* No-grade course.

search design. Illustrative materials from a variety of problems and fields of political study. Required for majors. Orbell.

PS 407. Seminar: Economic, Cultural, and Political Factors in Old-Age Security. 5 hours.

For description, see CSPA 407.

PS 407. Seminar: Scope and Methods. 5 hours each term.

Eight-week session. A survey of some of the major methodological tools currently used in social-science research. Material is presented and integrated on the assumption that methodology is that set of operations which gives the researcher some degree of control over the validity of the information he produces through research. Emphasis on research design, measurement techniques, methods of information extraction, and models of social processes. Medler.

PS 407. *Scope and Methods. (First Term).* 5 hours.

First four weeks, June 23-July 18.

PS 407. *Scope and Methods. (Second Term).* 5 hours.

Second four weeks, July 21-August 15.

Courses must be taken consecutively.

PS 422. International Law. (G) 5 hours.

Eight-week session. An introduction to public international law. The nature, sources, application, and enforcement of the body of rules that regulate the international behavior of international actors. Stress on the relationship between the political reality of international behavior and international law. Hovet.

PS 427. Government and Politics of the Soviet Union. (G) 5 hours.

Eight-week session. Governmental institutions and political processes in the Soviet Union. Fiszman.

PS 475. Political Revolution. (G) 5 hours.

Eight-week session. Analysis of causes of revolution, using historical, psychological, and sociological data to explain how violent changes in political power come about. Analysis of past revolutions in the search for common phenomena and general theory. PS 470 recommended as background. Davies.

PS 483. Allocation of Justice. (G) 5 hours.

Eight-week session. Study of the nature of justice and how it is administered by police, lawyers, district attorneys, juries, and judges. Levine.

PS 507. Seminar: Scope and Methods. 5 hours each term.

Eight-week session. See PS 407 for description.

PS 507. *Scope and Methods. (First Term).* 5 hours.

First four weeks, June 23-July 18.

PS 507. *Scope and Methods. (Second Term).* 5 hours.

Second four weeks, July 21-August 15.

Courses must be taken consecutively.

PS 507. Seminar: East European Politics. 5 hours.

Eight-week session. Comparative investigation of the similarities and differences between the various political systems in East Europe. Fiszman.

PS 507. Seminar: Economic, Cultural, and Political Factors in Old-Age Security. 5 hours.

For description, see CSPA 407.

Psychology

Professors : R. FAGOT, FOSMIRE, LEWINSOHN, LITTMAN.

Associate Professors : DAWES, LICHTENSTEIN.

Assistant Professors : ADKINS, ARKOWITZ, B. FAGOT, JOHNSON, SHEPPARD.

Psy 212. **Perception.** 3 hours.

First four weeks, June 23-July 18. Introduction to principles and evidence concerning the way in which we sense and perceive the world around us.

Psy 213, 216, 219. **Psychology Laboratory.** 1 hour each term.

Introduction to research methods; designed to familiarize the student with scientific approaches to problems in psychology.

Psy 213. *Psychology Laboratory (First Term).* 1 hour.

First four weeks, June 23-July 18. Integrated with Psy 212.

Psy 216. *Psychology Laboratory (Second Term).* 1 hour.

Second four weeks, July 21-August 15. Integrated with Psy 214 and Psy 215.

Psy 219. *Psychology Laboratory (Third Term).* 1 hour.

Three weeks, August 18-September 5. Integrated with Psy 217.

Psy 214. **Motivation and Physiological Psychology.** 3 hours.

Second four weeks, July 21-August 15. Introduction to the basic issues concerning the relationship of the brain to behavior. Special emphasis on the role of physiological factors in motivated behavior.

Psy 215. **Social Psychology.** 3 hours.

Second four weeks, July 21-August 15. Introduction to social psychology as that part of general psychology concerned with how the individual behaves in relation to his culture. The features of human nature which man shares with other animals and those features which are unique; special attention to the social behavior of animals, to language and communication, and to man's attitude towards social issues.

Psy 217. **Human Development and Individual Differences.** 3 hours.

Three weeks, August 18-September 5. An introductory survey of the changes in human behavior throughout the life-span. Development of psychological processes in man from conception to senescence; emphasis on the origin of individual differences in the areas considered. Johnson.

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

Eight-week session.

Psy 403. **Thesis.** Hours to be arranged.

Eight-week session. Open only to Honors College students.

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

Eight-week session. Open only to Honors College students.

Psy 407. **Seminar.** (g) Hours to be arranged.

Eight-week session.

Psy 436. **Personality.** (g) 3 hours.

Eight-week session. An intensive study of selected topics in personality theory and related research. Prerequisites: 9 hours in psychology or consent of instructor. Arkowitz.

Psy 437. **Social Psychology.** (g) 3 hours.

Eight-week session. The relationship of the individual to his social environment, especially in his participation in small groups; social perception and motivation as shown in the acquaintance process, power and dependence, roles in the group, and the part played by the group in attitude change. Materials and issues treated in terms of basic psychological concepts. Fosmire.

Psy 441. **Group and Individual Differences.** (g) 3 hours.

Eight-week session. Basic principles for quantitative assessment of human characteristics; research findings concerning intelligence, achievement, aptitudes, interests, and personality; group differences related to sex, age, social class, race, nationality. Psy 313 or equivalent recommended as preparation for this course. B. Fagot.

Psy 450. Abnormal Psychology. (g) 3 hours.

Eight-week session. Various forms of unusual behavior, including anxiety states, hysteria, hypnotic phenomena, and psychoses. Normal motives and adjustments considered in their exaggerations in the so-called neurotic person. Psy 313 is recommended as preparation for this course. Lewinsohn.

Psy 451. Physiological Psychology. (g) 3 hours.

Eight-week session. Study of relationships between nervous-system functions and behavior. Emphasis on neuropsychological analysis of stimulus processing, motivation, learning. Adkins.

Psy 460. Developmental Psychology. (g) 3 hours.

Eight-week session. Study of the development of behavior and psychological activity through the prenatal period, infancy, childhood, adolescence. Topics include development of language and cognition, socialization, emotional development, and the development of motor capabilities. Emphasis on social influences. Littman.

Psy 490. Psychology of Learning. (g) 3 hours.

Eight-week session. Survey of fundamental concepts of conditioning, rote learning, discrimination, problem solving, memory, and motor skill. Theory and experimental literature. Psy 313 strongly recommended as preparation for this course. Sheppard.

Psy 501. Research. Hours to be arranged.

Eight-week session.

Psy 503. Thesis. Hours to be arranged.

Eight-week session.

Psy 505. Reading and Conference. Hours to be arranged.

Eight-week session.

Psy 507. Seminar. Hours to be arranged.

Eight-week session.

Psy 507. Seminar: Scope and Methods in the Social Sciences.

Eight-week session. Dawes.

Psy 508. Clinical Work with Children. 3 hours.

Eight-week session. Practicum work with autistic children and selected cases of deviant child behavior. Prerequisite: consent of instructor.

Psy 509. Practicum Experience. 3 hours.

Eight-week session. Supervised work in assessment and treatment coordinated with didactic clinical core courses. Prerequisite: consent of instructor.

Religious Studies

Associate Professor: STRATON.

R 302. Religions of Mankind. 3 hours.

Eight-week session. Oriental religions: Hindu-Buddhist, and time permitting, Confucian-Taotist traditions.

R 407. Teaching About Religions in the Schools. (g) 3 hours.

Eight-week session. Content same as preceding course. Public school teachers desiring graduate credit should enroll in R 407. Both courses meet together. A research paper on one of the great religions will be required of R 407 enrollees.

Romance Languages

Visiting Faculty: ILLIANO.

Professors: DOUGHERTY, POWERS.

Associate Professor: MARSHALL.

Assistant Professors: RENDALL, TOMANEK.

Instructors: COOPER, CURLAND, D'ANGELO, DUMARESQ, GREENSTEIN, HERRERA, PARK, QUINN, SOBRÉ, WAGNER.

French

- RL 50, 51, 52. **First-Year French.** 4 hours first two terms, 3 hours third term. An introduction to the language, stressing reading, comprehension of the spoken tongue, and the basic principles of French grammar. Equivalent to First-Year French given during the regular academic year. Wagner, Greenstein.
- RL 50. *First-Year French (First Term).* 4 hours.
First four weeks, June 23-July 18.
- RL 51. *First-Year French (Second Term).* 4 hours.
Second four weeks, July 21-August 15.
- RL 52. *First-Year French (Third Term).* 3 hours.
Three weeks, August 18-September 5.
- RL 101, 102, 103. **Second-Year French.** 4 hours first two terms, 3 hours third term. Study of selections from representative authors; review of grammar; considerable attention to oral use of the language. Equivalent to Second-Year French given during the regular academic year. Cooper, Dumaresq.
- RL 101. *Second-Year French (First Term).* 4 hours.
First four weeks, June 23-July 18.
- RL 102. *Second-Year French (Second Term).* 4 hours.
Second four weeks, July 21-August 15.
- RL 103. *Second-Year French (Third Term).* 3 hours.
Three weeks, August 18-September 5.
- RL 303. **Survey of French Literature.** 3 hours. Eight-week session. The principal French authors from 1850 to the present. Flaubert, Baudelaire, Verlaine, Valéry, Proust, Sartre, Camus, Robbe-Grillet, Ionesco, and others. Equivalent to the third term of Survey of French Literature offered during the regular academic year. Rendall.
- RL 314. **Intermediate French Composition and Conversation.** 3 hours. Eight-week session. Emphasis on exercises and review drills. Conducted in French. Prerequisite: two years of college French or equivalent. Dumaresq.
- RL 407. **Seminar: Twentieth-Century French Drama.** (G) 3 hours. Eight-week session. Intensive study of representative works of Claudel, Giraudoux, Anouilh, Sartre, and others. Marshall.
- RL 407. **Seminar: Seventeenth-Century French Authors.** (G) 3 hours. Eight-week session. Study of representative works of the principal authors of the classical period. Rendall.
- RL 467. **Advanced French Composition.** (G) 3 hours. Eight-week session. Translation of modern literary texts into French and writing of original themes. Special attention to the needs of teachers and prospective teachers. Conducted in French. Prerequisite: RL 314, 315, 316, or the equivalent. Marshall.
- RL 503. **Thesis.** Hours to be arranged. Eight-week session. Dougherty.

- RL 505. **Reading and Conference: Old French Readings.** 3 hours.
Eight-week session. Dougherty.
- RL 507. **Seminar: Twentieth-Century French Drama.** 3 hours.
Eight-week session. Intensive study of representative works of Claudel, Giraudoux, Anouilh, Sartre, and others. Marshall.
- RL 507. **Seminar: Seventeenth-Century French Authors.** 3 hours.
Eight-week session. Study of representative works of the principal authors of the classical period. Rendall.
- RL 508. **Workshop: Methods and Materials for Teaching Modern Languages.** 6 hours.
June 23-July 18. Designed to assist secondary-school teachers in the effective use of current textbooks and materials, including those approved for Oregon, California, and Washington. Offered in cooperation with the State Department of Education by the members of the University staff who offer the courses in methods during the regular academic year and who direct the practice-teaching program in Romance languages. Supplementary laboratory assignments. Curland, Quinn.

Italian

- RL 70, 71, 72. **First-Year Italian.** 4 hours first two terms, 3 hours third term.
Grammar, pronunciation, composition, and translation of modern authors. Equivalent to First-Year Italian given during the regular academic year. D'Angelo.
- RL 70. *First-Year Italian (First Term).* 4 hours.
First four weeks, June 23-July 18.
- RL 71. *First-Year Italian (Second Term).* 4 hours.
Second four weeks, July 21-August 15.
- RL 72. *First-Year Italian (Third Term).* 3 hours.
Three weeks, August 18-September 5.
- RL 104, 105. **Second-Year Italian.** 4 hours each term.
Study of selections from representative authors. Composition, pronunciation, grammar. Equivalent to the first two terms of Second-Year Italian given during the regular academic year. Illiano.
- RL 104. *Second-Year Italian (First Term).* 4 hours.
First four weeks, June 23-July 18.
- RL 105. *Second-Year Italian (Second Term).* 4 hours.
Second four weeks, July 21-August 15.
- RL 405. **Reading and Conference.** (G) Hours to be arranged.
Eight-week session. Studies in Italian literature. Students interested should consult the instructor. Illiano.
- RL 503. **Thesis.** Hours to be arranged.
Eight-week session.
- RL 505. **Reading and Conference.** Hours to be arranged.
Eight-week session. Studies in Italian literature. Students interested should consult the instructor. Illiano.

Spanish

- RL 60, 61, 62. **First-Year Spanish.** 4 hours first two terms, 3 hours third term.
An introduction to Spanish, stressing speaking and reading; exercises in elementary composition. Equivalent to First-Year Spanish given during the regular academic year. Sobré, Herrera.
- RL 60. *First-Year Spanish (First Term).* 4 hours.
First four weeks, June 23-July 18.

- RL 61. *First-Year Spanish (Second Term)*. 4 hours.
Second four weeks, July 21-August 15.
- RL 62. *First-Year Spanish (Third Term)*. 3 hours.
Three weeks, August 18-September 5.
- RL 107, 108, 109. **Second-Year Spanish**. 4 hours first two terms, 3 hours third term.
Intensive oral and written exercises designed to help the student acquire an accurate and fluent use of Spanish. Study of selections from representative authors. Equivalent to Second-Year Spanish given during the regular academic year. Tomanek, Park.
- RL 107. *Second-Year Spanish (First Term)*. 4 hours.
First four weeks, June 23-July 18.
- RL 108. *Second-Year Spanish (Second Term)*. 4 hours.
Second four weeks, July 21-August 15.
- RL 109. *Second-Year Spanish (Third Term)*. 3 hours.
Three weeks, August 18-September 5.
- RL 407. **Seminar: Cervantes**. (G) 3 hours.
Eight-week session. Study of *Don Quijote*, selected plays, and *las novelas ejemplares*, with emphasis given to problems of interpretation and criticism. Powers.
- RL 446. **Spanish-American Literature**. (G) 3 hours.
Eight-week session. Principal Spanish-American authors of the twentieth-century, Dario, Silva, Neruo, González Prada, Mistral, and others. Equivalent to the third term of Spanish-American Literature offered during the regular academic year. Tomanek.
- RL 461. **Advanced Composition and Conversation**. (G) 3 hours.
Eight-week session. Special attention to the needs of teachers and prospective teachers. Prerequisite: RL 347, 348, 349 or equivalent. Conducted in Spanish. Sobré.
- RL 503. **Thesis**. Hours to be arranged.
Eight-week session. Powers.
- RL 507. **Seminar: Cervantes**. 3 hours.
Eight-week session. Study of *Don Quijote*, selected plays, and *las novelas ejemplares*, with emphasis given to problems of interpretation and criticism. Powers.
- RL 508. **Workshop: Methods and Materials for Teaching Modern Languages**. 6 hours.
June 23-July 18. Designed to assist secondary-school teachers in the effective use of current textbooks and materials, including those approved for Oregon, California, and Washington. Offered in cooperation with the State Department of Education by the members of the University staff who offer the courses in methods during the regular academic year and who direct the practice-teaching program in Romance languages. Supplementary laboratory assignments. Curland, Quinn.

Sociology

Visiting Faculty : GOERTZEL, HILL.

Professor : JOHANNIS.

Associate Professor : RODGERS.

Assistant Professors : MACGREGOR, VAN HOUTEN.

Soc 204, 205, 206. **General Sociology**. 3 hours each term.

Introduction to basic sociological problems. A frame of reference, selected

hypotheses, and empirical generalizations in connection with these problems; dominant characteristics of modern societies; the relation between the individual and the group. Goertzel, staff.

Soc 204. *General Sociology (First Term)*. 3 hours.

First four weeks, June 23-July 18.

Soc 205. *General Sociology (Second Term)*. 3 hours.

Second four weeks, July 21-August 15.

Soc 206. *General Sociology (Third Term)*. 3 hours.

Three weeks, August 18-September 5.

Soc 300. **Principles of Sociology**. 3 hours.

Eight-week session. Fundamental concepts and empirical findings in the field of sociology. Not open to students who have completed Soc 204, 205, 206.

Soc 301. **American Society**. 3 hours.

Eight-week session. An analysis of American society in terms of its significant structural traits and their functions; major changes in American society and selected contemporary problems examined in their relation to institutional structures. Prerequisite: Soc 204, 205, or Soc 300.

Soc 304. **The Community**. 3 hours.

Eight-week session. Analysis of the structure and organization of human communities. Prerequisite: Soc 204, 205, or Soc 300.

Soc 305. **Contemporary Social Problems**. 3 hours.

Eight-week session. Introduction to problems associated with the organization of social systems; deviant behavior and methods of social control. Prerequisite: Soc 204, 205, or Soc 300.

Soc 311. **Introduction to Social Research**. 3 hours.

Three weeks, August 18-September 5. The development of social research; the nature of scientific inquiry and basic methods and techniques; examination of representative sociological studies from the standpoint of methodology. Prerequisite: Soc 204, 205, 206, or consent of instructor. Armer.

Soc 334. **Social Psychology**. 3 hours.

Second four weeks, July 21-August 15. Analysis of psychological processes in relation to social situations. How languages, perception, learning, thinking, motivation, and attitudes determine and result from social interaction and group processes. Prerequisite: Soc 204, 205, or Soc 300. MacGregor.

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

First four weeks; second four weeks.

Soc 403. **Thesis for Honors Candidates**. Hours to be arranged.

Eight-week session.

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

First four weeks; second four weeks.

Soc 407. **Seminar: Nonparametric Statistics**. (G) 3 hours.

Eight-week session. Nonparametric and distribution-free tests of significance. Prerequisite: two terms of statistics, or consent of instructor. Hill.

Soc 438. **Social Psychology of the Family**. (G) 3 hours.

Eight-week session. The dynamics of family interaction throughout the family life cycle. Prerequisite: Soc 423 or equivalent. Rodgers.

Soc 448. **Sociology of Occupations**. (G) 3 hours.

Eight-week session. The nature, functions, and significance of occupational groupings in modern society; the relationships of occupation to other aspects of life; the significance of work for the various forms of social organization; the impact of change on individual occupations and occupational categories. Van Houten.

Soc 490. **Sociology of Leisure**. (G) 3 hours.

First four weeks, June 23-July 18. Sociological analysis of nonwork time and

leisure behavior; the relationship between patterns of use of nonwork time and leisure and other social institutions. Prerequisite: 12 hours in sociology. Johannis.

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

First four weeks; second four weeks.

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

First four weeks; second four weeks.

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

First four weeks; second four weeks.

Soc 507. **Seminar: Control and Conflict in Organizations.** 2 hours.

Eight-week session. A survey of recent literature on control and conflict in complex organizations. Van Houten.

Soc 507. **Seminar: Intermediate Scaling.** 2 hours.

Eight-week session. A discussion of measurement models applicable to sociological variables. Prerequisite: one term of scaling, or consent of instructor. Hill.

Speech

Visiting Faculty: ELLINGWOOD.

Professors: ALY, LARUSSO, NOBLES, ROBINSON, WOOD.

Associate Professors: CHRISTENSEN, DECHAIINE, KRETSINGER, RYAN.

Assistant Professors: CARMICHAEL, FIBIGER, SHERRIFFS.

Instructor: HALLETT.

Rhetoric and Public Address

Sp 121. **Fundamentals of Speech.** 3 hours.

Eight-week session. Two sections to be offered.

Sp 322. **Persuasion.** 3 hours.

Eight-week session. The study of motivation and audience adaptation, particularly as they apply to oral communication.

Sp 407. **Seminar: Argumentation and Debate.** 3 hours.

Eight-week session.

Sp 407. **Seminar: Persuasion.** 3 hours.

Eight-week session.

Sp 407. **Seminar: The Rhetoric of Racial Revolt.** 3 hours.

Eight-week session.

Sp 409. **Practicum.** Hours to be arranged.

Eight-week session.

Sp 423. **History and Criticism of American Speeches.** (G) 3 hours.

Eight-week session. Rhetorical criticism of selected American speeches. Prerequisite: Sp 301 or equivalent.

Sp 431. **Speech Communication Research.** (G) 3 hours.

Eight-week session. Survey of the experimental literature relevant to speech communication. Includes studies of models of the communication process, audience variables, speaker variables, and the teaching of speech.

Sp 432. **Speech Communication and Group Process.** (G) 3 hours.

Eight-week session. Survey and analysis of small group literature relevant to

speech communication. Major areas included are group formation, group tasks, group effectiveness and efficiency, status problems, leadership, problem solving and conflict resolution, systems theory, research techniques, communication in discussion, social power and social control, and organization techniques and problems.

- Sp 501. **Research.** Hours to be arranged.
Eight-week session.
- Sp 503. **Thesis.** Hours to be arranged.
Eight-week session.
- Sp 505. **Reading and Conference.** Hours to be arranged.
Eight-week session.
- Sp 507. **Seminar: Argumentation and Debate.** 3 hours.
Eight-week session.
- Sp 507. **Seminar: Persuasion.** 3 hours.
Eight-week session.
- Sp 507. **Seminar: The Rhetoric of Racial Revolt.** 3 hours.
Eight-week session.
- Sp 507. **British Oratory from 1867.** 3 hours.
Eight-week session.
- Sp 509. **Practicum.** Hours to be arranged.
Eight-week session.
- Sp 514. **Eighteenth-Century Rhetorical Theory.** 3 hours.
Eight-week session. The neoclassical interpretation of the canons of ancient rhetorical theory; its relation to the literary criticism, aesthetics, and logic of the period.

Radio and Television Broadcasting

- Sp 444. **Radio-Television Production.** (G) 3 hours.
Eight-week session. Problems and procedures in the synthesis of talent, material, sponsorship, etc., in broadcast production. Preparation and production of live broadcasts. Prerequisite: consent of instructor. Kretsinger.
- Sp 501. **Research.** Hours to be arranged.
Eight-week session.
- Sp 503. **Thesis.** Hours to be arranged.
Eight-week session.
- Sp 505. **Reading and Conference.** Hours to be arranged.
Eight-week session.
- Sp 507. **Seminar: Problems of Education by Television.** 3 hours.
Eight-week session. Kretsinger.
- Sp 508. **Workshop: Educational Television.** 4 hours.
Section One, June 16-27. Section Two, August 18-29. An intensive program of class and laboratory work for teachers and administrators in the arts and skills of production and performance in the use of television in education. Sherriffs, Hallett.
- Sp 541. **Theory and Criticism of Broadcasting.** 3 hours.
Eight-week session. A comparative study of systems of broadcasting; the development of ethical, artistic, and critical standards in radio and television. Kretsinger.

Speech Pathology and Audiology

Sp 370. **Phonetics.** 3 hours.

Eight-week session. Study of sounds used in speech. Determination of sounds; their symbolic nature; their production; physical and psychological problems involved in their perception; sectional differences. Worthley.

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

Eight-week session. Limited to seniors who have demonstrated superior ability.

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

Eight-week session.

Sp 409. **Clinical Practicum.** (G) 1-3 hours.

Eight-week session. Supervised clinical work with speech-defective children and adults enrolled for counseling, testing, and treatment in the Speech and Hearing Clinic or other campus or community center where work can be supervised; group discussion of case histories and techniques. Consent of Clinic Director required. Wood, Christensen, Ryan, Worthley.

Sp 482. **Organic Speech and Language Disorders.** 3 hours.

Eight-week session. Speech difficulties due to orofacial abnormality, injury or disease, and mental retardation. Ryan.

Sp 488. **Audiological Assessment.** 3 hours.

Eight-week session. Pure tone, air, and bone-conduction audiometry; interpretation of audiograms; speech audiometry. Christensen.

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

Eight-week session.

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

Eight-week session.

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

Eight-week session.

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

Eight-week session.

Sp 570. **Psychology of Speech.** 3 hours.

Eight-week session. Study of language and speech in relationship to other aspects of individual behavior; contributions from various disciplines in understanding speech behavior. Wood.

Sp 572. **Articulation Disorders.** 3 hours.

Eight-week session. Advanced study of the nature of articulation and articulatory problems in children and adults including delayed speech development; evaluation of techniques in testing; evaluation of materials and procedures used in therapy; study of current research findings; demonstration with clinical cases. Ryan.

Sp 576. **Voice Disorders.** 3 hours.

Eight-week session. A study of functional and organic disorders of the voice; examination techniques available to the speech pathologist; rehabilitation of laryngectomized patients; correction of problems in pitch, quality, and intensity. Christensen.

Sp 578. **Diagnostic Procedures in Speech.** 3 hours.

Eight-week session. Rationale and use of the major instruments, procedures, and materials used in conducting diagnostic work in cases of speech disorders; organizing data and writing the clinical report. Wood.

Theater

Sp 251. **Elements of Acting.** 3 hours.

Eight-week session. Elementary principles of acting technique.

- Sp 264, 265, 266. **Production Workshop.** 3 hours.
Eight-week session. Practical experience in the construction, painting, and handling of scenery, and in the lighting of plays. Students register for one course number throughout the eight-week session.
- Sp 311. **Advanced Interpretation.** 3 hours.
Eight-week session. Instruction in the discovery and oral expression of meaning and feeling in prose, poetry, and dramatic literature.
- Sp 315. **Costume Workshop.** 3 hours.
Eight-week session. Instruction in the art and craft of stage costuming ; practical experience in the design, construction, and maintenance of theatrical costumes.
- Sp 353. **Advanced Acting.** 3 hours.
Eight-week session.
- Sp 407. **Seminar.** Hours to be arranged.
Eight-week session.
- Sp 407. **Seminar: Advanced Acting.** 3 hours.
Eight-week session. Advanced problems in acting technique : study, rehearsal, and performance.
- Sp 407. **Seminar: Oral Interpretation.** 3 hours.
Eight-week session.
- Sp 407. **Seminar: Advanced Technical Practice.** 3 hours.
Eight-week session.
- Sp 407. **Seminar: Directing.** 3 hours.
Eight-week session.
- Sp 407. **Seminar: Costume Design.** 3 hours.
Eight-week session.
- Sp 461. **Introduction to Scene Design.** (G) 3 hours.
Eight-week session. Basic principles and techniques of theatrical design for the school and community theater.
- Sp 464. **History of the Theater.** (G) 3 hours.
Eight-week session. An historical study of the theater from ancient to modern times.
- Sp 467. **Lighting for the Stage.** (G) 2 hours.
Eight-week session. The functions of lighting on the stage. The qualities of light, lighting instruments, and control systems.
- Sp 501. **Research.** Hours to be arranged.
Eight-week session.
- Sp 503. **Thesis.** Hours to be arranged.
Eight-week session.
- Sp 505. **Reading and Conference.** Hours to be arranged.
Eight-week session.
- Sp 507. **Seminar.** Hours to be arranged.
Eight-week session.
- Sp 507. **Seminar: Advanced Technical Practice.** 3 hours.
Eight-week session.
- Sp 507. **Seminar: Oral Interpretation.** 3 hours.
Eight-week session.
- Sp 507. **Seminar: Advanced Acting.** 3 hours.
Eight-week session.

Sp 507. **Seminar: Directing.** 3 hours.

Eight-week session.

Sp 507. **Seminar: Costume Design.** 3 hours.

Eight-week session.

Vacation College

Vacation college, inaugurated in the summer of 1964 as the first college of its kind in the United States, will be offered August 17-24, 1969. The theme of this session is "Understanding Contemporary America." Three programs are offered: "The Efficacious Self"—group leader, John MacGregor; "Scientists at Work"—group leader, Robert L. Peterson; "Man in his Environment"—group leader, Lawrence W. Ross, Jr.

Designed for adults, Vacation College has no entrance requirements, no examinations, and offers no college credit. Classes are held during the week from 9:00 a.m. until noon. The afternoons are free for reading, browsing, a class in techniques of relaxation, or recreational activities. Special entertainment is offered every evening.

Participants are expected to attend the morning classes and to eat lunches and dinners in the dormitory, whether they live in the Vacation College dormitory or off campus.

The faculty is composed of Grace Graham, director, professor of education; John MacGregor, assistant professor of sociology and a specialist in social psychology; Robert L. Peterson, professor of history from the University of Montana who specializes in economic history; and Lawrence Ross, Jr., lawyer and business law specialist. In addition to this faculty, each day at least two faculty members will lecture on their specialties and join Vacation College students in lunch and dinner conversations. These specialists are Richard Schmuck, educational psychology; Joseph Allman, political science; David Foster, fine arts; Melvin Cohen, biology; Donald Dumond, anthropology; Barry Siegel, economics; Frank Reithel, chemistry.

A fee of \$135.00 covers all expenses, including board and room, tuition, health service, and tickets to plays, movies, and other entertainment. Linen and towels will be furnished. For students who do not room and eat breakfast in the dormitory the fee is \$90.00. Sons and daughters of high-school age may register and participate for the same fees.

For further information, write to the director, Vacation College, University of Oregon 97403.

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Board members are appointed to six-year terms by the Governor of Oregon with confirmation by the State Senate.

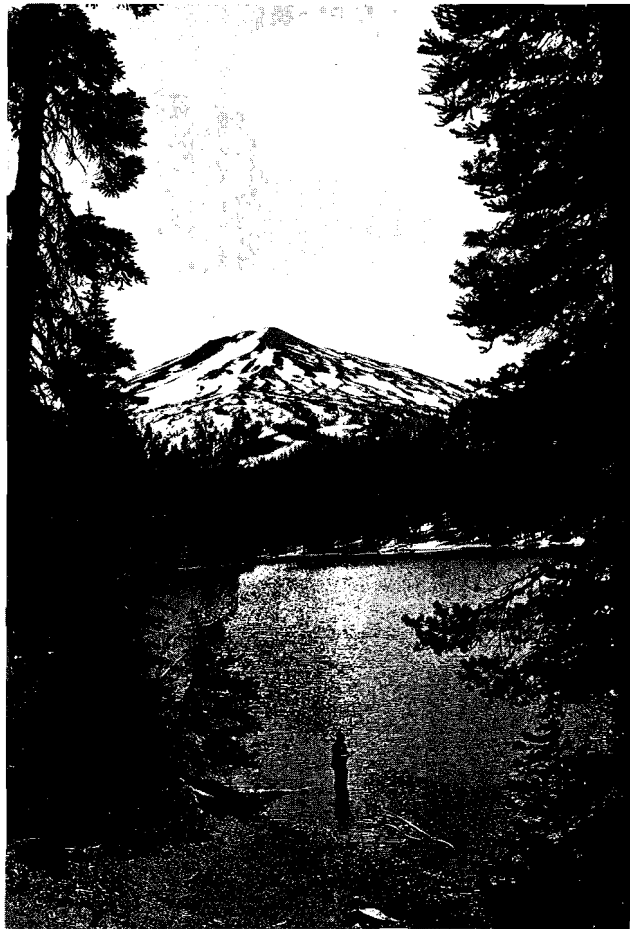
Summer in Oregon

While studies will be foremost on your program, summer is an ideal time to enjoy the scenic attractions of Oregon. The coast is about an hour's drive from Eugene, the Cascade Mountains are eighty miles to the east, and Portland is less than a two-hour drive to the north.

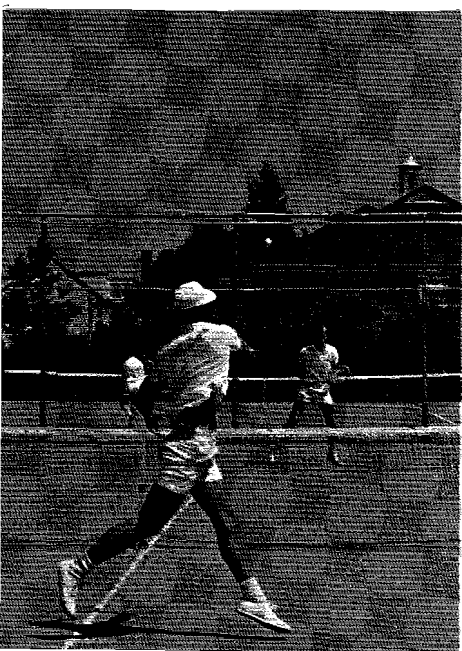
Eugene and the surrounding area offer summer session students a number of recreational activities. Several golf courses, swimming pools, boating areas, and city parks are available for leisure-time activity. Water sports are especially popular in the Eugene area, with sailing, water skiing, and canoeing on the nearby lakes, reservoirs, and rivers offering a wide variety of water-recreation possibilities.

Hikers, climbers, and campers have the Cascades to explore; anglers can fish a variety of nearby streams, rivers, and lakes.

For a copy of "Lane County's Great Outdoors," a detailed map of Lane County's recreational facilities, write Summer Session, University of Oregon, Eugene, Oregon, 97403.







CARNIVAL THEATRE: Carnival Theatre is a summer repertory company operating as an independent organization. The summer of 1969 will be its eighth season.

Carnival Theatre offers a nine-week session of concentrated theater activity with all types of participation: acting, directing, scenic design, theater management, costuming, scene building, painting, and lighting under an experienced professional staff in a well equipped plant. Some course work for credit is offered in connection with the various Carnival Theatre activities.

Performances are presented almost nightly, with a new play opening each week—rehearsal and preparation each afternoon. The repertoire of comedy, drama, and musical

productions supplies diverse entertainment at special reduced rates for summer session students.

Approximately 90 persons make up the company, including guest stars, professional directors and technicians, salaried actors, singers, dancers, technicians, and business personnel.

The theatre, which seats about 550 persons, is located outdoors in a natural amphitheater directly adjacent to the University Theatre (Villard Hall) on campus.

Those interested in participation should contact Faber DeChaine, Director, Carnival Theatre, University of Oregon well before Summer Session begins.





In addition to a number of on-campus cultural activities during the summer, Eugene and many nearby communities provide activities and events which many summer students enjoy. Fairs, rodeos, and several community festivals offer the summer student an opportunity to enjoy activities which are unique to the summer season. A favorite of summer students is the Shakespearean Festival located at Ashland, which is about a three-hour drive from Eugene. Productions begin in mid-July.

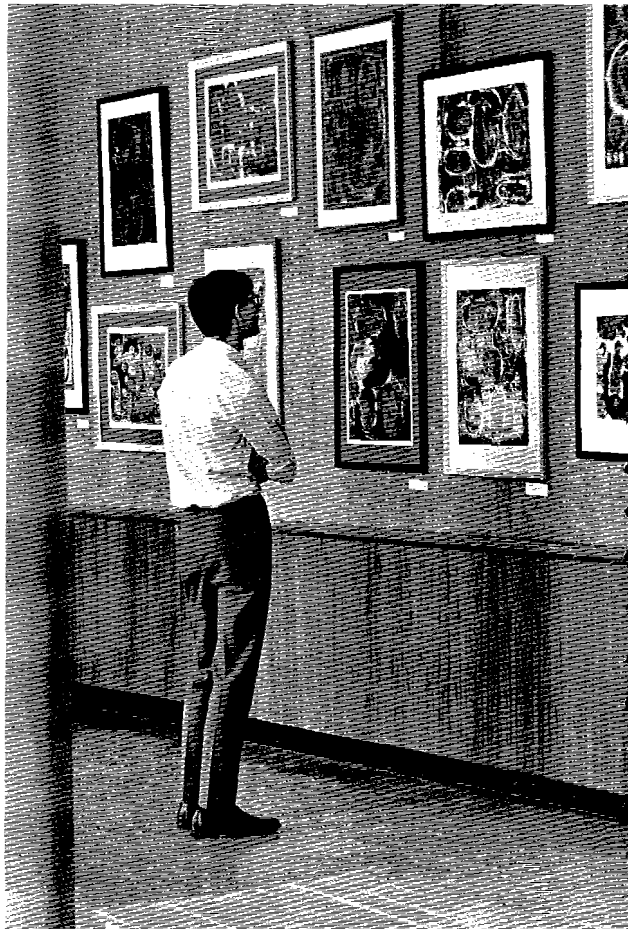


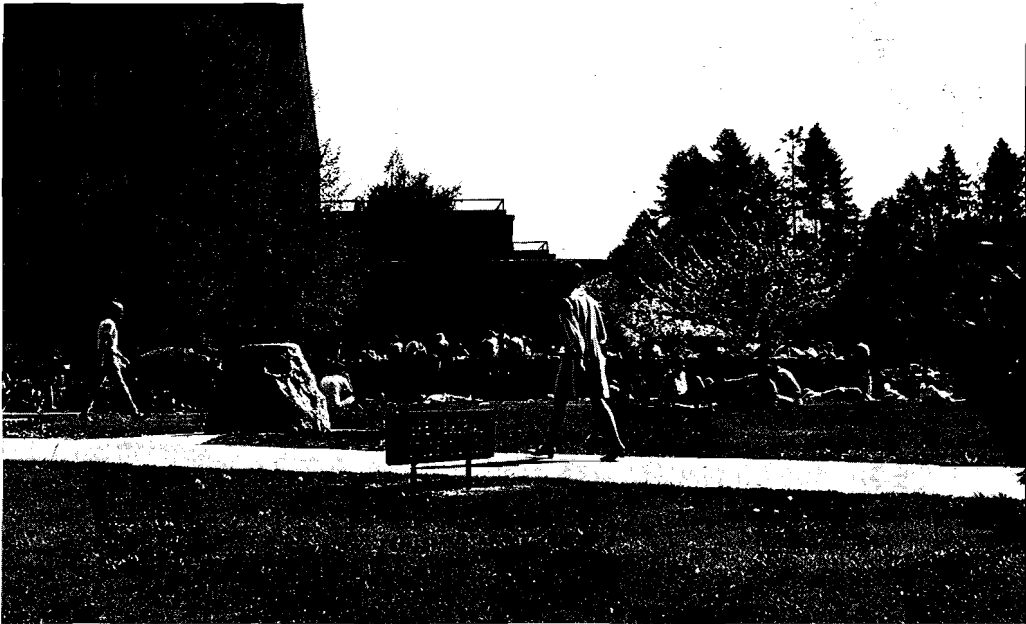
THE ERB MEMORIAL UNION :

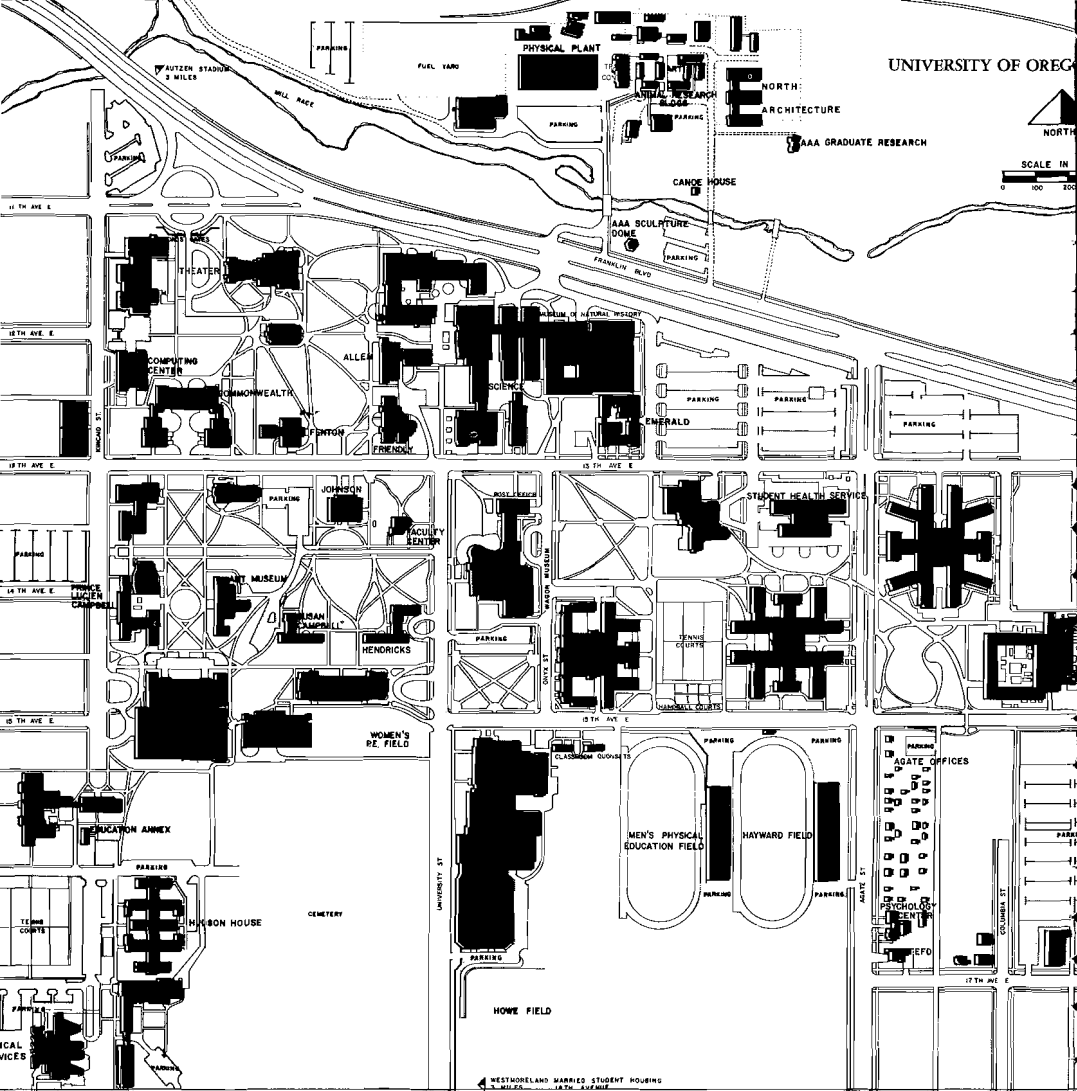
During the summer, as throughout the school year, the Erb Memorial Union is the center of extra-curricular activity. The Union sponsors feature movies, folk dancing, a bowling league, bridge and chess sessions, tennis, billiards, and other games tournaments for the enjoyment of summer session students. The recreation area in the basement of the Union provides bowling, billiards, shuffleboard, and table tennis. Gymnasium facilities are available for summer students except when they are being used for classes.

A number of tours to many of Oregon's scenic areas are planned each summer by the Union. These include a one-day trip to the coast, a week-end trip to the Rogue River, a trip to Crater Lake, and the Shakespearean Festival in Ashland.

Art exhibits, lectures, concerts, and luncheon discussions also are sponsored by the Union during the summer.







CAMPUS MAP AND DIRECTORY

Academic Advising	140	Hendricks
Admissions	201	Emerald
Alumni Office		Susan Campbell
Anthropology	209	Commonwealth
Architecture and Allied Arts	102	Lawrence
Athletics		McArthur Court
Biology	77	Science II
Business Administration	262	Commonwealth
Business Office		Emerald, 1st Floor
Chemistry	91	Science II
Classics, Chinese, Japanese	302	Friendly
Community Service and Public Affairs	119	Hendricks
Counseling Center	150	Susan Campbell
Dean of Men	207	Emerald
Dean of Women	208	Emerald
Director of Dormitories		Carson
Economics	435	Prince Campbell
Education	102	Education
English	118	Prince Campbell
Geography	107	Condon
Geology	144	Science
German and Russian	202	Friendly
Graduate Placement	246	Susan Campbell

Graduate School	125	Chapman
Health, P.E. & Recreation	128	Phys. Ed
History	175	Prince Campbell
Home Economics		Chapman, 3rd Floor
Information Office	101	Johnson
Journalism	201	Allen
Law	219	Fenton
College of Liberal Arts	114	Friendly
Mathematics	1	Deady
Military & Aerospace	112	Cherney
Music	102	Music
Nursing	161	Susan Campbell
Philosophy	338	Prince Campbell
Physics	121	Science
Political Science	936	Prince Campbell
President	110	Johnson
Psychology	302	Condon
Registrar		Emerald, 1st Floor
Religious Studies	211	Chapman
Romance Languages	101	Friendly
Sociology	154	Prince Campbell
Speech	216	Villard
Student Services	207	Emerald
Summer Session	116	Education
University Relations	110	Johnson