

**1964
SUMMER
SESSION**



BULLETIN

**UNIVERSITY OF OREGON
EUGENE**



OREGON STATE SYSTEM OF HIGHER EDUCATION

UNIVERSITY OF OREGON BULLETIN

NUMBER 119

FEBRUARY 1964

Entered as second-class matter, January 28, 1950, at the post office at Eugene, Oregon, under act of August 24, 1912. Issued eight times a year, in January (two numbers), February, March, May, June, July, and August. Published by the Oregon State Board of Higher Education, at the University of Oregon, Eugene, Oregon.

UNIVERSITY
OF OREGON
SUMMER
SESSION

1964 CATALOG

EUGENE, OREGON

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Calendar, 1964 Summer Session

June 15, <i>Monday</i>	Registration for pre-session workshops
*June 22, <i>Monday</i>	Registration
June 23, <i>Tuesday</i>	Classes begin
June 30, <i>Tuesday</i>	Last day for payment of fees without penalty
July 3, <i>Friday</i>	Last day for summer-term registration or addition of courses
July 4, <i>Saturday</i>	Independence Day, holiday
July 10, <i>Friday</i>	Last day for withdrawal from summer-term courses
August 13-14, <i>Thursday and Friday</i>	Final examinations, eight-week session
August 15, <i>Saturday</i>	Summer Commencement exercises
September 3-4, <i>Thursday and Friday</i>	Final examinations for eleven-week courses

* Registration material will be available in the Registrar's office during the week of June 15.

Oregon State System of Higher Education

The Oregon State System of Higher Education, as organized in 1932 by the State Board of Higher Education, following a survey of higher education in Oregon by the U.S. Office of Education, includes all the state-supported institutions of higher education. The several institutions are elements of an articulated system, parts of an integrated whole. The educational program is so organized as to distribute as widely as possible throughout the state the opportunities for general education and to center on a particular campus specialized, technical, and professional curricula closely related to one another.

The institutions of the State System of Higher Education are the University of Oregon at Eugene, Oregon State University at Corvallis, Portland State College at Portland, Oregon College of Education at Monmouth, Southern Oregon College at Ashland, Eastern Oregon College at La Grande, and Oregon Technical Institute at Klamath Falls. The University of Oregon Medical School and the University of Oregon Dental School are located in Portland. The Division of Continuing Education, representing all the institutions, has headquarters in Portland and offices in Ashland, Corvallis, Eugene, La Grande, Monmouth, and Salem.

At Oregon College of Education, Southern Oregon College, and Eastern Oregon College, students may complete major work in teacher education or general studies or enroll in a preprofessional program.

Portland State College offers major work in general studies and selected liberal arts and professional fields as well as certain preprofessional programs.

At the University of Oregon and Oregon State University, major curricula, both liberal and professional, are grouped on either campus in accordance with the distinctive functions of the respective institutions in the unified state system of higher education.

Terminal courses in technical and semiprofessional areas are offered at Oregon Technical Institute.

An interinstitutional booklet, *Your Education*, which outlines the curricula of several institutions and contains other information, is available. For a copy, write to Division of Information, Board of Higher Education, P.O. Box 5175, Eugene, Oregon.

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* On sabbatical leave 1963-64.

WELCOME TO THE UNIVERSITY OF OREGON

We're looking forward to having you with us this summer and hope that you will find it one of the most profitable and pleasant summers you have ever known.

While studies will be foremost on your program, an outstanding schedule of cultural and recreational activities has been planned for you.

Many of you will be visitors from other states. We hope that you will take advantage of the opportunities to see Oregon at its loveliest.



Take a trip . . .

Tours have been planned to many of Oregon's most magnificent scenic areas . . . to the famous Oregon Coast . . . to the high Cascades with their dense forests and sparkling lakes . . . to Ashland and the Shakespearean Festival. These are some of the tours:

The Oregon Coast: A one-day trip will be made to Florence on the Oregon Coast and then north to Depoe Bay. With frequent stops along the way, the tour members will see what has been described as the most magnificent coast line in the world. A University geologist will explain the significance of the many natural phenomena.

SUMMER TOURS

Rogue River and the Oregon Coast: Leaving Eugene on a Saturday, the tour will follow the rugged Oregon Coast to the mouth of the Rogue River at Gold Beach. The group will stay in Gold Beach Saturday night and on Sunday take the mail boat up the Rogue River. One of Oregon's most beautiful and turbulent rivers, the Rogue flows through the state's most inaccessible regions. The boat trip covers about 30 miles between trackless stands of virgin timber to the community of Agness, where the group will have dinner before returning down the river to Gold Beach.

McKenzie River and Lava Beds: This is a one-day trip by bus up the McKenzie River Highway to Oregon's high plateau. The chief attraction of this trip will be the lava blanket which covers thousands of acres. From the view point at the top of McKenzie Pass, the tour members will see many of the major extinct volcanoes of Oregon. This area is in the shadow of the majestic Three Sisters, snow-capped peaks of the Cascade Range. The return trip will follow the upper McKenzie River with its series of awesomely beautiful water falls.

Shakespearean Festival: Two special trips are planned for summer students this year to Ashland, Oregon, for the Shakespearean Festival. The tour members will see a different Shakespearean play done outdoors in the traditional Elizabethan manner on each trip. You will leave on Saturday, see the play that evening, stay overnight at Southern Oregon College, and return on Sunday morning.

Crater Lake: Leaving Eugene early Sunday morning, the tour will move over the Willamette Pass, with its high cascading waterfalls. After winding up the sides of the extinct volcano, Mt. Mazama, the tour members will view the wonder of Crater Lake. After lunch there will be a rim drive around the edge of the crater; a park ranger will be available to outline the forces that created this spectacular creation of nature.

Deep Sea Fishing: Small group charter trips may be scheduled on request throughout the summer for students who wish to try their hand at deep-sea sport fishing off the Oregon coast.

Hiking Trips: Smaller groups may be formed on request to take week-end hiking trips with experienced guides into the nearby wilderness areas. Anyone wishing to participate in such a trip should be prepared to furnish his own sleeping bag and camping gear. Special tours may also be arranged to give visitors a chance to see large lumber mills in operation and logging operations in the woods.

Each of the trips, with the exception of fishing and hiking trips, is contingent on a registration of at least 30 people for each trip.

Summer Session Faculty

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- ALFRED G. SMITH, Ph.D., Associate Professor of Anthropology.
- ROBERT E. SMITH, Ph.D., Lecturer in Economics.
- ROBERT W. SMITH, Ph.D., Associate Professor of History.

- WARREN E. SMITH, Ed.D., Associate Professor of Physical Education.
 LLOYD R. SORENSON, Ph.D., Associate Professor of History.
 ALBERT C. SPAULDING, Ph.D., Professor of Anthropology; Head of Department.
 VERNON S. SPRAGUE, Ph.D., Professor of Physical Education.
 SEWARD STALEY, Ph.D., Dean Emeritus, College of Physical Education, University of Illinois; Visiting Professor of Physical Education.
 LLOYD W. STAPLES, Ph.D., Professor of Geology; Head of Department.
 JAMES V. STARCK, Instructor in Architecture.
 ROBIN E. STEUSSEY, Ph.D., Assistant Professor of Slavic Languages.
 JAMES C. STOVALL, M.A., Associate Professor of Geology.
 WILLIAM C. STRANGE, M.A., Assistant Professor of English.
 JAMES H. STRAUGHAN, Ph.D., Assistant Professor of Psychology.
 KESTER SVENDSEN, Ph.D., Professor of English; Head of Department.
 ELDON C. TEFFT, N.F.A., Professor of Sculpture, University of Kansas; Visiting Professor of Sculpture.
 ARTHUR L. THOMAS, Ph.D., Assistant Professor of Accounting.
 CHARLES W. THOMAS, Ph.D., Assistant Professor of Education.
 DONALD L. THOMPSON, Ph.D., Assistant Professor of Marketing.
 J. BARRE TOELKEN, M.A., Instructor in English.
 DONALD E. TOPE, Ph.D., Professor of Education.
 RICHARD TROMBLEY, M.Mus., Instructor in Music.
 MIRIAM L. TUCK, Ed.D., Associate Professor of Health Education.
 ALVIN W. URQUHART, Ph.D., Assistant Professor of Geography.
 JORDAN B. UTSEY, D.Ed., Assistant Professor of Education.
 EDWARD A. VAN AELSTYN, B.A., Instructor in English.
 JAMES M. VAN BUSKIRK, Ph.D., Assistant Professor of Mathematics.
 STANLEY C. VANCE, Ph.D., Miner Professor of Business Administration.
 MAX WALES, M.A., Professor of Journalism.
 LESTER C. WALKER, JR., Ph.D., Associate Professor of Art History, University of Georgia; Visiting Professor of Art History.
 PAUL R. WASHKE, Ph.D., Professor of Physical Education.
 MARSHALL D. WATLES, Ph.D., Professor of Economics.
 RUTH P. WAUGH, M.S., Instructor in Education.
 VIRGINIA WHITFIELD, D.Ed., Supervisor of Supervising Training, Music Department, University of California at Los Angeles; Visiting Professor of Music.
 KATHRYN I. WHYTE, M.S., Instructor in Education.
 DALE W. WILE, M.S., Instructor in Speech.
 RUTH A. WILLARD, Ed.D., Associate Professor of Education.
 DONALD I. WOOD, Ed.D., Professor of Education, Rice University; Visiting Professor of Education.
 HUGH B. WOOD, Ed.D., Professor of Education.
 KENNETH S. WOOD, Ph.D., Professor of Speech.
 JANET G. WOODRUFF, M.A., Professor of Physical Education.
 WILLIAM C. WOODS, M.Mus., Assistant Professor of Piano.
 DAVID F. WRENCH, Ph.D., Assistant Professor of Psychology.
 EDGAR L. YARBERRY, Ph.D., Assistant Professor of Biology, Hartnell College, Salinas, California; Visiting Assistant Professor of Biology, Oregon Institute of Marine Biology.
 LOIS J. YOUNGEN, M.A., Assistant Professor of Physical Education.

The Summer Program

During the summer of 1964 the University will offer two separate summer sessions. The first is the traditional eight-week summer session. Graduate courses and both upper-division and lower-division courses are offered for those who wish to earn 12 or 13 hours of credit.

In addition, there will be an eleven-week session planned especially for undergraduate students who wish to accelerate their programs or who are interested in earning additional credits. A full-term load of 16 or more credit hours may be carried in this session. Courses will be offered in economics, English literature and composition, biology, mathematics, foreign languages, history, physics, accounting, business administration, health, physical education, and recreation, political science, sociology, speech, geography, and architecture and allied arts.

The courses offered during the eight-week and eleven-week sessions are listed in separate sections of this Catalog. For information regarding the special advantages of the full-term session, write to the Director of Summer Sessions, University of Oregon, Eugene.

Undergraduate Work

A large selection of undergraduate courses will be offered in the 1964 summer session; these courses will be closely integrated with course sequences offered during the regular academic year, so that students may make steady progress toward the completion of lower-division requirements. Certain courses are planned especially for students intending to enter medical or dental schools or schools of nursing.

Students who are nearing graduation will find in the summer session an excellent opportunity to complete upper-division requirements for a degree.

Admission as an Undergraduate. The only requirement for admission to the summer session is ability to do the work. However, students who wish to become candidates for a degree from the University must satisfy the regular University admission requirements. As early as possible before the opening of the summer session, such students should file with the University Director of Admissions complete official transcripts covering all school work taken above the eighth grade. Specific requirements are listed in the general University Catalog.

Admission through Prefreshman Program. Students who are unable to qualify for admission on the basis of their high-school record and test performance may qualify by achieving a minimum grade-point average of 2.25 on a full load of study in a regular collegiate summer session. The summer program must include English composition and other courses chosen from the fields of literature, social science, or science.

Graduate Work

Many summer courses are especially planned for graduate students; all of the work for the master's degree may be completed in summer sessions.

Admission. A bachelor's degree from an accredited institution is prerequisite to registration as a graduate student. To earn credit toward an advanced degree at the University of Oregon, the student must clear his admission with the University Director of Admissions before registering, preferably before coming to the campus.

Preparation. For a graduate major, preparation at the undergraduate level in the same field is required.

Credit Requirements. For the departmental master's degree the University requires a program of study of not less than 45 term hours.

Grade Requirement. A graduate student is required to earn at least a B grade average 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 reduction to postbaccalaureate standing. Graduate credit will not be granted for a course in which the student earns a grade of D.

Residence Requirement. The residence requirement for the M.A. and M.S. degrees (and all other master's degrees except the M.Ed. or M.B.A.) is 30 term hours of work on the Eugene Campus or at the Medical School, Dental School, or School of Nursing in Portland. The residence requirement for the M.Ed. degree is 30 term hours of graduate work on the University campus or in the Portland summer session of the Division of Continuing Education. A maximum of 36 term hours toward the M.B.A. degree may be earned in courses in the Portland Continuation Center.

Transferred Credit. Not more than 15 term hours of credit may be transferred from another institution toward the master's degree. Transferred credit is provisional until the qualifying examination is taken.

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

Qualifying Examination and Program. During the first term of work toward the master's degree, the student should file a tentative program, planned in conference with his major adviser. It is expected that the qualifying examination will be taken during the first term of residence, or before 15 term hours have been earned. If satisfactory knowledge and ability are demonstrated, the student is formally advanced to candidacy for the degree sought, subject to the approval of the dean of the Graduate School.

Maximum Course Load. The maximum summer course load for a graduate student devoting full time to graduate study is 13 term hours.

Thesis Registration. All graduate students working for an advanced degree for which a thesis is required must register for Thesis (503). The candidate for the M.A. or M.S. degree with thesis earns 9 term hours of credit for this work; a first draft of the thesis must be accepted by the adviser before the student can register for the final 3 hours. Credit for thesis is granted on a no-grade basis.

Further information will be furnished at the office of the Graduate School, Johnson Hall.

Opportunities for Teachers

An extensive program has been planned especially to meet the needs of the many teachers who wish to take summer work to improve their professional training.

Secondary Education. Under Oregon school law, five years of collegiate preparation, including specified work in education and in subject fields, is required for a standard teacher's certificate. Graduates of standard colleges and universities who have completed a four-year teacher education program may, however, be granted a basic certificate valid for three years.

For a second basic certificate, 24 term hours of work toward the completion of the fifth-year program are required.

Graduate Program for Teachers. The University offers a program of graduate study planned especially for students working toward the satisfaction of the Oregon state requirement for a fifth year of college work for final high-school teacher certification. The program leads to the M.A. or M.S. degree.

Enrollment in the program is open to any person who is eligible for admission to the Graduate School; the student must, however, have a reasonable background of undergraduate study in the fields in which he proposes to work and must complete prerequisites for specific courses. The requirements for the teaching program are:

(1) 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 the two subject fields.

Option 2. A minimum of 36 term hours in one of the following fields: art, biology, business administration, English, French, geography, history, health and physical education, mathematics, music, Spanish.

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 may include work in the fields of anthropology, economics, geography, history, political science, psychology, and sociology. A program in science may include work in the fields of 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 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 36 term hours in the composite field 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.

(2) Satisfaction of the regular requirements of the Graduate School, except that no thesis is required. 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.

For the M.A. degree, the student must show, by examination or by adequate undergraduate courses (completion of the second-year college sequence), a reading knowledge of one foreign language, preferably French or German; on petition to the dean of the Graduate School, a student may be permitted to substitute another language, provided it is equally relevant to his program of graduate study. For the M.S. degree there is no foreign-language requirement, unless a language is required by a school or department.

The program is administered by the dean of the Graduate School and supervised by the Committee on Interdisciplinary Studies; Dr. Lloyd R. Sorenson, associate professor of history, serves as adviser to students in the teaching program.

Other Graduate Programs. The University also offers departmental master's degrees in a wide variety of teaching fields. Work toward these degrees is

especially suited to the need of teachers who wish to limit preparation to one field. At the option of the department, a thesis may or may not be required. Many departments offer programs for the master's degree both with thesis and without thesis.

A third type of master's degree is the M.Ed., which suits the needs of some administrators and teachers.

Elementary Education. An undergraduate program in elementary education will be offered in the summer session. Persons who have emergency elementary certificates and wish to secure regular certificates and a bachelor's degree may satisfy requirements through summer study. Persons with emergency certificates and a bachelor's degree are eligible for work toward a master's degree.

Graduate work in elementary education will be offered both for classroom teachers and for supervisors and principals.

Administrative Certificates. Every person holding an administrative position in the Oregon public schools must have an appropriate administrative certificate. The administrative certificates are: (1) superintendent's certificate, (2) administrative principal's certificate, (3) secondary principal's certificate, (4) elementary principal's certificate, and (5) supervisor's certificate. Work in school administration, planned specifically to meet the requirements for each of these certificates, is offered in the University summer sessions.

Registration Procedures

Students will register for the summer session on Monday, June 22; classes will begin Tuesday morning, June 23. Registration will begin at 8:00 a.m. and continue until 4:00 p.m. Students will receive registration materials and further instructions at the Registrar's Office. Registration for pre-session workshops will be on June 15. Teachers in the Eugene area may register for courses in education on Friday, June 19. Registration material may be picked up in the Registrar's Office. Advisers will be available in the Education building.

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.

Registration fee, eight-week session	\$132.00
Registration fee, eleven-week session	132.00
Students registering for 8 or more term hours of work (for credit or as auditors) pay these fees. There is no additional out-of-state fee for the summer session. Graduate students employed as teaching or research assistants during the summer session pay a fee of \$32.00.	
Part-time fee	\$33.00 to \$115.50
1 or 2 term hours, \$33.00; 3 term hours, \$49.50; 4 term hours, \$66.00; 5 term hours, \$82.50; 6 term hours, \$99.00; 7 term hours, \$115.50. Paid also by auditors attending classes carrying a total credit of 7 term hours or less.	
Late-registration fee, per day	\$1.00
Full-time undergraduate and graduate students pay the late-registration fee if they register after June 30.	
Graduate qualifying examination fee	\$1.00 to \$15.00

Staff fee, per term hour\$3.00

With the approval of the President's Office, 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; academic 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.

Fees for school psychological services :

Diagnostic service (school enrolled)	\$ 5.00
Diagnostic service (preschool and postschool service)	20.00
Remedial and counseling service	10.00
College prep reading service	25.00
Adult reading service	25.00

Music feessee page 70

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.

Board and Room

The dormitories will be open for the summer session at 9:00 a.m. on Sunday, June 21. Residents should report directly to Carson Hall, 13th and Beech Streets, upon arrival, to receive dormitory assignment. The first meal served will be breakfast on Monday, June 22. The dormitories will close at 7:00 p.m. on Friday, August 14, for the eight-week session and at 7:00 p.m. on Friday, August 28, for the eleven-week session. The last meal served will be the evening meal on Friday, August 14, for the eight-week session and on Friday, August 28, for the eleven-week session.

Blankets and bed linen, and the laundry of these items, are furnished by the University. Students must furnish their own towels.

Board and room will be available in the dormitories for both men and women. Supervision is provided for undergraduates.

Freshman men and women must room in the dormitories in double or single rooms, and must board in the dormitories. They may choose seven-day-week 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).

Sophomore, junior, and senior men and women may room in double or single dormitory rooms, and may choose one of the following board arrangements: room with seven-day-week board, room with five-day-week board (Monday breakfast through Friday lunch), or room without board, (those choosing room without board may buy individual meals on a per meal basis).

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

A la carte cafeteria meals will be served in the Student Union five days a week. The cafeteria is open to all University students, faculty members, and guests.

No dormitory deposit or advance payment is required for summer session. Room and board charges are payable in advance at the opening of the session. Persons attending eight- or eleven-week sessions may elect to pay in two installments

of one-half the total charge. The first installment is due June 22, 1964, payable not later than July 1, 1964. The second installment is due July 20, 1964, payable not later than July 29, 1964. 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 1 or if the second installment is not paid by July 29. Dormitory residents enrolled for short courses pay the full charge upon arrival.

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 rates for room and board in the University dormitories during the summer session are as follows:

	Multiple Room	Single Room	Contract 5-Day	Board 7-Day	5-day Board and Multiple	Total Room Single	7-day Board and Multiple	Total Room Single
Eleven weeks	\$85.00	\$127.50	\$140.00	\$175.50	\$225.00	\$267.50	\$260.50	\$303.00
Ten weeks	80.00	115.00	128.00	161.50	208.00	243.00	241.50	276.50
Nine weeks	74.00	102.50	116.00	148.00	190.00	218.50	222.00	250.50
Eight weeks	68.00	90.00	104.00	134.00	172.00	194.00	202.00	224.00
Seven weeks	60.50	80.00	92.00	118.50	152.50	172.00	179.00	198.50
Six weeks	53.00	70.00	80.00	103.00	133.00	150.00	156.00	173.00
Five weeks	45.50	60.00	68.00	87.50	113.50	128.00	133.00	147.50
Four weeks	38.00	50.00	56.00	72.00	94.00	106.00	110.00	122.00
Three weeks	30.50	39.50	42.00	54.00	72.50	81.50	84.50	93.50
Two weeks	22.00	29.00	28.00	36.00	50.00	57.00	58.00	65.00
One week	12.50	17.00	14.00	18.00	26.50	31.00	30.50	35.00
Daily	2.50	3.50	3.25	3.25	5.75	6.75	5.75	6.75

Charges for single meals are as follows: breakfast, 85 cents; lunch, \$1.00; dinner, \$1.40.

Room and Board in Private Houses. The University Housing Office maintains a list of private rentals available to students, faculty, and staff; this list is not published for mail distribution. The Housing Office does not make individual rental arrangements; students would be wise to arrive in Eugene at least a week before the beginning of the session to locate suitable housing.

Housing for Married Students. The University operates housing units for married students, some of which will be available for the summer session. Married students interested in these quarters should write to the Director of University Housing, Carson Hall. Married students seeking off-campus living quarters may obtain a list of off-campus housing accommodations from the Housing Office (see Room and Board in Private Houses, above).

Married students without children may obtain rooms in the dormitories.

Undergraduate Housing Rules. The rules regarding housing which prevail during the regular academic year are applicable to undergraduate students during the summer session. Mature undergraduate teachers are excepted from these rules.

Freshman students are required to room and board in the University dormitories unless they are married or are living with relatives in the Eugene area. Sophomore, junior, and senior students under twenty-one and students over twenty-one may live in University dormitories or live off campus; students under twenty-one must submit a parental permission letter to the Dean of Men or Dean of Women.

General Information

Forums and Lectures. Evening forums and lectures by visiting lecturers and members of the University faculty will be scheduled each week during the summer session.

Recreation. Everyone who enjoys the outdoors should come prepared to take part in the summer recreation program sponsored by the University. There will be hikes and picnics, golf, tennis, pingpong, outdoor volleyball, playground baseball, indoor evening games, swimming, and social dancing. It is suggested that students bring tennis rackets and golf clubs. There are excellent opportunities for these sports on the University campus and nearby courses.

Summer students have the privilege of the use of University gymnasiums, swimming pools, and tennis courts; they will be furnished with swimming suits, lockers, towels and soap.

Chorus, Orchestra, and Band. A summer chorus, orchestra, and band will be organized. Membership in these organizations will be open to all summer students, whether or not they are enrolled in music courses. Students who play orchestral or band instruments are urged to bring their instruments and take part. Concerts will be given by these groups during the final week of the session. The purpose of these organizations is recreation and enjoyment, as well as professional and cultural training.

High-School Music Summer Sessions. Two special music summer sessions for high-school students will be held on the campus. The first session, June 21-July 3, will be for band students. The second, July 5-15, will be for orchestra students. Observation of the rehearsals of these high-school groups will be interesting and valuable to high-school music teachers.

Summer Emerald. The SUMMER EMERALD, a weekly paper devoted to summer session news, will be published by the journalism classes and distributed free to the faculty and students at the University Co-op Store, Student Union, and School of Education.

Correspondence Study. Students may frequently find a schedule of correspondence courses through which to continue their program of study after the close of the summer session. A correspondence catalog may be obtained from the Continuation Center office on the University campus.

Extension Classes. The Continuation Center welcomes inquiries in regard to extension courses offered in Portland and in other Oregon cities.

Course-Numbering System. The courses in this Catalog are numbered in accordance with the course-numbering plan of the Oregon State System of Higher Education. Lower-division (freshman and sophomore) courses are numbered below 300. Upper-division (junior and senior) courses are numbered from 300 to 499. Graduate courses are numbered 500-599. A large (G) following the name of a 400 course indicates that the course may be taken for either major or minor graduate credit. A small (g) following the name of a 400 course indicates that the course is approved for graduate minor credit only.

Employment Service. The University maintains an employment service for students desiring part-time work while in attendance at the University. This service is available to summer students. Those interested in learning of opportunities for part-time work should write to Employment Secretary, University of Oregon.

University Placement Service. The University maintains a centralized office, the University Placement Service, which assists graduates in securing new or better positions in education, business, or government. The office is located at 246 Susan Campbell Hall.

Students who have taken, or are currently enrolled for, at least 12 term hours of University work, and who are completing degree requirements, are provided initial placement service without charge. Alumni and former registrants who desire to use this service are charged a fee of \$5.00 per year. Registration forms may be obtained upon request.

Museum of Art. The Museum of Art, housing the Murray Warner Collection of Oriental Art and other University art collections, will be open to students during the summer from 11:00 a.m. to 5:00 p.m., Tuesday and Thursday and from 1:00 to 5:00 p.m., Wednesday and Friday through Sunday.

Special exhibits of interest to summer session students will be shown, together with the permanent exhibition of the Murray Warner Collection. The museum is available for use by classes during morning hours, in addition to regular hours, by advance arrangements with the museum secretary.

Museum of Natural History. The Museum of Natural History in the Anthropology-Museum Building is open Monday through Friday from 8:00 a.m. to 5:00 p.m. The exhibits in anthropology, biology, geology, and paleontology, are of interest to teachers.

Health Service. Payment of summer sessions fees entitles students to general medical attention and advice at the University Student Health Service. Health Service hours are 8:00 a.m. to 5:00 p.m., Monday through Friday.

Workshops and Conferences

- BEd 508. **Workshop: Current Trends in Business Education.** 3 hours. June 22-July 3.
- BEd 508. **Workshop: Current Trends in Business Machines.** 3 hours. July 6-17.
- BEd 508. **Workshop: Current Trends in Shorthand.** 3 hours. July 20-31.
- FBE or Ec 508. **Workshop: Economic Education.** 3 hours. June 22-July 17.
- Ed 508. **Workshop: Problems of School Administration.** 2 hours. June 15-20.
- Ed 508. **Workshop: Developing Content and Instructional Media for Latin American Resource Units in the Social Studies.** 6 hours. June 15-July 31.
- Ed 508. **Workshop: Teaching Geography in the Junior High School.** 3 hours. June 22-July 17.
- Ed or PS 508. **Workshop: Comparative Communist Systems and Ideology.** 6 hours. June 22-July 17.
- Ed 508. **Workshop: Secondary-School Administration.** 3 hours. July 20-24.
- Ed 508. **Workshop: Programmed Learning.** 6 hours. June 29-July 10.
- Ed 508. **Workshop: New Instructional Media and the Elementary-School Principal.** 3 hours. July 6-17.
- Ed 508. **Workshop: Supervision of Intern and Beginning Teachers.** 6 hours. July 20-August 14.
- Ed 508. **Workshop: The Educator and His Profession.** 2-3 hours. August 16-21.
- Ed 508. **Workshop: The Student Council.** 3 hours. August 16-28.
- PE 406. **Workshop in Physical Education.** 1-2 hours. August 17-21.
- PE 408. **Workshop: Gymnastics for Men and Women.** 2 hours. June 15-19.
- PE 408. **Workshop: Secondary-School and College Physical Education.** 1-6 hours. June 22-July 10.
- HE 408, 508. **Workshop: Mental Health.** 2 hours. June 15-19.
- Mus 508. **Workshop: Choral Techniques** (Fred Waring). 2 hours. June 14-19.
- Mus 508. **Workshop: Recorder Playing and Baroque Performance.** No credit. June 22-July 3.
- Mus 508. **Workshop: Classical Guitar and Baroque Performance Practices.** No credit. July 6-17.
- Sp 508. **Workshop: Educational Television.** 4 hours. June 15-26.
- Coaching Clinic.** June 15-19.
- Mathematics Institute.** June 22-August 14.
- High School Music Summer Session.** June 21-July 3 (band); July 5-15 (orchestra).
- Oregon Institute of Marine Biology.** June 22-August 14.
- Summer Academy of Contemporary Arts.**

Eleven-Week Session

Architecture and Allied Arts

AA 187. **Design Studio I.** 3 hours.

No-grade course. Execution of design projects and exercises intended to familiarize the student with fundamental form and space concepts of architecture; development of skill in control of proportion, scale, and design relationships. Students are encouraged to develop habits of problem formulation and sound basis for value judgments; the release of the student's potential creative capacities is a primary concern of the course.

AA 287. **Design Studio II.** 3 hours.

No-grade course. The study of the development of concepts of use, purpose, function, and facilities. Investigation of the factors of physical environment, surroundings, and site. Integration of the total design considerations to produce a visual art form. Required for architecture, interior, and landscape architecture majors. Prerequisite: AA 187 or equivalent.

AA 501. **Special Studies: Urban Design.** 5 hours.

No-grade course. Intensive planning and design project; the group will work collaboratively in the study of a specially formulated project. San Jose.

Biology

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

Fundamental principles of life science illustrated by studies of structure, function, and evolution in animals and plants. This is a three-term sequence course; students who have taken one or two terms previously should consult the instructor.

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

First four weeks, June 22-July 17. 8-9:30 daily; lab: 9:30-12:30 MWTh.

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

Second four weeks, July 20-August 14. 8-9:30 daily; lab: 9:30-12:30 MWTh.

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

Three weeks, August 17-September 4. 8-10 daily; lab: 10-12 daily.

Bi 414. **Cell Physiology.** 4 hours.

Cellular organization, environment, energetics, metabolism. Membrane phenomena: exchange of materials, bioelectricity, irritability and response. Lectures and laboratory. 1-2:30 TuTh; lab: 2:30-5 TuTh.

Business Administration

Accounting

Ac 211, 212. **Fundamentals of Accounting.** 6 hours.

Covers the first two terms of the regular three-term sequence in basic accounting. An introduction to accounting as a means of developing information about business enterprises for the use of managers, creditors, investors, and the public. Primary emphasis on analysis and interpretation, rather than the collection and presentation of financial data. The accounting process, accounting concepts, valuation problems, income determination, and analysis of cost information. 8 MWF. Thomas.

Ac 360. Principles of Cost Accounting. 3 hours.

Development, presentation, and interpretation of cost information to aid management in planning and controlling business operations; methods of collecting cost information, basic principles of cost reports to management, problems of cost allocation; use of standard costs for control, various concepts of capacity in relation to overhead allocation; cost-volume relationships, variable budgeting, and analysis of differential costs. Prerequisite: Ac 213. 1 MWF. Luneski.

Ac 503. Thesis. Hours to be arranged.

Luneski, Thomas.

Ac 540. Administrative Controls. 3 hours.

Nature of control in human organization; place of control in total management; conventional and developing techniques of control; basic statistical methods for control; the role of the computer in control systems. 11 MWF. Thomas.

Business Statistics

BS 232. Introduction to Business Statistics. 3 hours.

Modern business decision theory, and statistics as a tool for business decision making. Primary emphasis on statistical description (tables, charts, and frequency distributions) and the elements of probability; consideration also of modern data processing, index numbers, and time series analysis (trend, cyclical, and seasonal adjustments) of business data. 10 MWF. Luneski.

BS 233. Elementary Inference in Business Statistics. 3 hours.

Applications of statistical inference and regression analysis to business situations; sampling and its role in estimation and hypothesis testing; uses of subjective probability for business decisions; simple linear and nonlinear regression analysis and correlation. 3 MWF. Luneski.

Finance and Business Environment

FBE 216. Business Law. 3 hours.

The legal system and legal procedures; legal principles in the fields of contracts and agency; legal problems related to the organization and operation of business firms; principles and problems illustrated by selected cases. Designed to provide a basic understanding of the law as it affects business. 11 MWF. Ross.

FBE 320. Financial Institutions. 3 hours.

The functions and economic significance of the major financial institutions in the economy that make the savings of society available to consumers, businesses, governments, including commercial banks, savings banks, savings and loan associations, credit unions, insurance companies, investment trusts, various governmental lending agencies, and international financial institutions; analysis of each institution and the part it plays in providing the short-, intermediate-, and long-term credit needs of the users of funds; the commercial banking system in relation to its function of supplying the nation's money supply. The nature and functions of money and credit, and the interrelationship of money, credit, and prices as they affect business decisions. 9 MWF.

FBE 418. Advanced Business Law. (G) 5 hours.

Study of the several fields of law related to business; negotiable instruments; sales of personal property; real property, including landlord and tenant and mechanic's liens; security devices for credit transactions; business torts; government regulation of business; labor law. Prerequisite: FBE 216. 8 daily. Ross.

FBE 460. Commercial Bank Management. (G) 5 hours.

Practices, policies, and problems of commercial bank management and operation; loan and investment administration; regulation and supervision; earnings, expense, and dividend policies; the economic and social importance of the commercial banking system as the center of the American financial system. Prerequisite: FBE 322; senior standing. 10 daily.

FBE 503. Thesis. Hours to be arranged.

Reed.

FBE 511. Methods in Business Research. 3 hours.

Research techniques in business; project design, analysis of data, presentation of research findings. 2 MWF. Ballaine.

Marketing

MIT 323. Elements of Marketing. 3 hours.

The marketing structure of business; analysis of the service functions of marketing—distribution, transportation, storage, grading, financing; problems of merchandising and internal control of the distributive function. 10-11:30 TuTh. Rich.

MIT 443. Marketing Analysis I. 4 hours.

The techniques, problems, tools, and broad policies of marketing management. Basic marketing forces; standards for judging marketing performance; merchandising tactics; methods of developing coordinated strategies; practice in research, decision making, and oral and written communication. 2-4 TuTh. Thompson.

MIT 503. Thesis. Hours to be arranged.

Rich, Thompson.

MIT 507. Seminar: Marketing Administration. 3 hours.

11-12:30 TuTh. Thompson.

MIT 520. Marketing Problems and Policies. 3 hours.

Cost controls in distribution, delineation of market areas for the firm and industry, trade-channel analysis, organization for distribution, market-share analysis, product development and innovation, interregional trends. 2-3:20 TuTh. Rich.

Personnel and Industrial Management

PIM 321. Organization and Interpersonal Relations. 3 hours.

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. 2 MWF. Korman.

PIM 329. Production Management. 3 hours.

The 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 personal 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. 12:30-2 TuTh. Vance.

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

Personnel management in the modern business organization; personnel policies and practices conducive to good relations with employees; personnel problems of small organizations. 3-4:30 MW. Korman.

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

Vance.

PIM 530. **Production Programming.** 3 hours.

Analysis of schematic and mathematical models in the allocation of productive resources in the manufacturing process; linear programming, statistical techniques, and other quantitative norms applied in production control, equipment replacement analysis, economic lot size determination, and quality control. 9 TuTh; 1 hour arranged. Vance.

PIM 533. **Theory of the Industrial Work Group.** 3 hours.

Major theories of group formation and behavior considered in terms of their implications for business management; analysis of the literature concerning supervisory behavior and leadership, characteristics of managers, group cohesiveness, conformity, productivity standards, problem-solving efficiency, and morale. 9 MWF. Korman.

Economics

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

Economic resources and institutions; income determination and economic stabilization; government financial operations. 9 MWF. Smith.

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

Factor pricing; domestic and international economic problems. 10 MWF. Smith.

Ec 446. **Labor Legislation.** (G) 3 hours.

Analysis of labor legislation in the United States; problems facing employee, employer, and public that call for regulations for public authority. 11 MWF. Smith.

Education

Ed 508. **Workshop: The Educator and His Profession.** 2-3 hours.

August 16-21. The nature and functions of educational associations; professionalism in public education; how the O.E.A.-N.E.A. departments, commissions, and committees work; how educational associations face the critical problems of education; the teacher's role in educational associations; benefits from professional organizations; services from national and state offices; leadership techniques; improving the quality of education through professional associations. 9 a.m.-10 p.m. daily. Goldhammer, staff.

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

August 16-28. 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. 9-12, 1-4 daily. Hearn, D. Wood.

English

Wr 111. **English Composition (First Term).** 3 hours.

Fundamentals of English composition. 10 MWF. Van Aelstyn.

Wr 111. **English Composition (First Term).** 3 hours.

Fundamentals of English Composition. 11 MWF. Reither.

* A student may complete the year sequence in Principles of Economics during the summer by also enrolling in Ec 202 in the eight-week session.

- Wr 112. **English Composition (Second Term)**. 3 hours.
Fundamentals of English composition. 8 MWF. Mortenson.
- Wr 113. **English Composition (Third Term)**. 3 hours.
10 MWF. Reither.
- Eng 101. **Survey of English Literature (First Term)**. 3 hours.
Anglo-Saxon beginnings to the Renaissance. 8 MWF. Toelken.
- Eng 104. **Introduction to Literature (First Term)**. 3 hours.
Study of literature and of the nature of literary experience through the reading of great works of prose and poetry, drawn from English and other literatures. 9 MWF. Mortenson.
- Eng 106. **Introduction to Literature (Third Term)**. 3 hours.
11 MWF. Strange.
- Eng 108. **World Literature (Second Term)**. 3 hours.
Study of literary and cultural foundations of the Western world through analysis of a selection of masterpieces of literature, ancient and modern, read in chronological order. 9 MWF. Strange.
- Eng 202. **Shakespeare (Second Term)**. 3 hours.
Study of the important plays—comedies, histories, and tragedies. 11 MWF. Svendsen.
- Eng 392. **American Novel (Second Term)**. 3 hours.
Twain, Frederic, Norris, Dreiser, Wharton, Cather, Anderson. 9 MWF. Nolte.
- Eng 396. **Twentieth-Century Literature (Third Term)**. 3 hours.
A critical study of British, American, and some European literature from 1930 to the present: the poetry of Auden and Thomas, plays of Brecht, Sartre, and Albee, fiction of Camus and Styron. 8 MWF. Nolte.
- Eng 483. **Major American Writers (Third Term)**. (G) 3 hours.
11 MWF. Nolte.
- Eng 501. **Research**. Hours to be arranged.
- Eng 503. **Thesis**. Hours to be arranged.
- Eng 505. **Reading and Conference**. Hours to be arranged.

Foreign Languages

German

- GL 50. **First-Year German (First Term)**. 4 hours.
First four weeks, June 22-July 17. The fundamentals of grammar, oral drill, translation of prose selections. Equivalent of the first term of First-Year German given during the regular academic year. Recommended for students who wish to acquire a reading knowledge. 8-10 daily. McWilliams.
- GL 51. **First-Year German (Second Term)**. 4 hours.
Second four weeks, July 20-August 14. Continuation of GL 50. Equivalent of the second term of First-Year German given during the regular academic year. 8-10 daily. McWilliams.
- GL 52. **First-Year German (Third Term)**. 3 hours.
Three weeks, August 17-September 4. Continuation of GL 51. Completion of the sequence GL 50, 51, 52, the approximate equivalent of First-Year German given during the regular academic year; qualifies the student to enter Second-Year German. 8-10 daily. McWilliams.

GL 101. Second-Year German (First Term). 4 hours.

First four weeks, June 22-July 17. Review of grammar and composition; reading of selections from representative authors; conversation. 10-12 daily. Leppmann.

GL 102. Second-Year German (Second Term). 4 hours.

Second four weeks, July 20-August 14. Continuation of GL 101. Equivalent of the second term of Second-Year German given during the regular academic year. 10-12 daily. Leppmann.

GL 103. Second-Year German (Third Term). 3 hours.

Three weeks, August 17-September 4. Continuation of GL 102. Completion of the sequence, GL 101, 102, 103, the approximate equivalent of Second-Year German given during the regular academic year. Satisfies the language requirement for the B.A. degree. 10-12 daily. McWilliams.

French

RL 50. First-Year French (First Term). 4 hours.

First four weeks, June 22-July 17. An introduction to the language, stressing reading, comprehension of the spoken tongue, and the basic principles of French grammar. Equivalent of the first term of First-Year French given during the regular academic year. 8-10 daily. Marshall.

RL 51. First-Year French (Second Term). 4 hours.

Second four weeks, July 20-August 14. Continuation of RL 50. Equivalent of the second term of First-Year French given during the regular academic year. 8-10 daily. Marshall.

RL 52. First-Year French (Third Term). 3 hours.

Three weeks, August 17-September 4. Continuation of RL 51. Completion of the sequence RL 50, 51, 52, the approximate equivalent of First-Year French given during the regular academic year; qualifies the student to enter Second-Year French. 8-10 daily. Marshall.

RL 101. Second-Year French (First Term). 4 hours.

First four weeks, June 22-July 17. Study of selections from representative authors; review of grammar; considerable attention to oral use of the language. 8-10 daily. Garramon.

RL 102. Second-Year French (Second Term). 4 hours.

Second four weeks, July 20-August 14. Continuation of RL 101. Equivalent of the second term of Second-Year French given during the regular academic year. 8-10 daily. Garramon.

RL 103. Second-Year French (Third Term). 3 hours.

Three weeks, August 17-September 4. Continuation of RL 102. Completion of the sequence RL 101, 102, 103, the approximate equivalent of Second-Year French given during the regular academic year. Satisfies the language requirement for the B.A. degree. 8-10 daily. Garramon.

Italian

RL 70. First-Year Italian (First Term). 4 hours.

First four weeks, June 22-July 17. Grammar, pronunciation, composition, and translation of modern authors. Equivalent of the first term of First-Year Italian given during the regular academic year. 10-12 daily. Hatzantonis.

RL 71. First-Year Italian (Second Term). 4 hours.

Second four weeks, July 20-August 14. Continuation of RL 70. Equivalent of the second term of First-Year Italian given during the regular academic year. 10-12 daily. Hatzantonis.

RL 72. First-Year Italian (Third Term). 3 hours.

Three weeks, August 17-September 4. Completion of the sequence RY 70, 71,

72, the approximate equivalent of First-Year Italian given during the regular academic year; qualifies the student to enter Second-Year Italian. 10-12 daily. Hatzantonis.

Russian

SL 50. First-Year Russian (First Term). 4 hours.

First four weeks, June 22-July 17. The elements of the Russian language. Elementary reading, composition, and conversation. 10-12 daily. Steussy.

SL 51. First-Year Russian (Second Term). 4 hours.

Second four weeks, July 20-August 14. Continuation of SL 50. Equivalent of the second term of First-Year Russian given during the regular academic year. 10-12 daily. Steussy.

SL 52. First-Year Russian (Third Term). 3 hours.

Three weeks, August 17-September 4. Completion of the sequence SL 50, 51, 52, the approximate equivalent of First-Year Russian given during the regular academic year; qualifies the student to enter Second-Year Russian. 10-12 daily. Steussy.

Spanish

RL 60. First-Year Spanish (First Term). 4 hours.

First four weeks, June 22-July 17. An introduction to Spanish, stressing speaking and reading; exercises in elementary composition. Equivalent of the first term of First-Year Spanish given during the regular academic year. 8-10 daily. Rosen.

RL 61. First-Year Spanish (Second Term). 4 hours.

Second four weeks, July 20-August 14. Continuation of RL 60. Equivalent of the second term of First-Year Spanish given during the regular academic year. 8-10 daily. Rosen.

RL 62. First-Year Spanish (Third Term). 3 hours.

Three weeks, August 17-September 4. Continuation of RL 61. Completion of the sequence RL 60, 61, 62, the approximate equivalent of First-Year Spanish given during the regular academic year; qualifies the student to enter Second-Year Spanish. 8-10 daily. Rosen.

RL 107. Second-Year Spanish (First Term). 4 hours.

First four weeks, June 22-July 17. Intensive oral and written exercises designed to help the student acquire an accurate and fluent use of Spanish; study of selections from representative authors. 10-12 daily. Palley.

RL 108. Second-Year Spanish (Second Term). 4 hours.

Second four weeks, July 20-August 14. Continuation of RL 107. Equivalent of the second term of Second-Year Spanish given during the regular academic year. 10-12 daily. Palley.

RL 109. Second-Year Spanish (Third Term). 3 hours.

Three weeks, August 17-Sept. 4. Continuation of RL 108. Completion of the sequence, RL 107, 108, 109, the approximate equivalent of Second-Year Spanish given during the regular academic year. Satisfies the language requirement for the B.A. degree. 10-12 daily. Rosen.

Geography

Geog 105. Introductory Geography. 3 hours.

First four weeks, June 22-July 17. A general introduction to the field of geography; emphasis on physical geography. 10-12 MTuWTh. Coggins.

- Geog 106. **Introductory Geography.** 3 hours.
Second four weeks, July 20-August 14. A general introduction to the field of geography; emphasis on regional geography. 10-12 MTuWTh. Coggins.
- Geog 107. **Introductory Geography.** 3 hours.
Three weeks, August 17-September 4. A general introduction to the field of geography; emphasis on cultural geography. 10-12 daily. Sheck.
- Geog 201. **Geography of Europe.** 3 hours.
First four weeks, June 22-July 17. Physical, political, and regional economic geography of Europe. 8-10 MTuWTh. Sheck.
- Geog 202. **Geography of Latin America.** 3 hours.
Second four weeks, July 20-August 14. Physical, political, and regional economic geography of the Latin American countries. 8-10 MTuWTh. Sheck.
- Geog 203. **Geography of Asia.** 3 hours.
Three weeks, August 17-September 4. Physical, political, and regional economic geography of Asia and adjacent islands. 8-10 daily. Isaac.
- Geog 301. **Geography of Oregon.** 3 hours.
June 22-August 14. The land forms, climate, population, resources, products, and people of the Pacific Northwest, with emphasis on Oregon. 1 MTuWTh. Merrill.
- Geol 302. **Geography of North America: Western United States and Canada.** 3 hours, June 22-August 14. 2 MTuWTh. Urquhart.
- Geog 303. **Geography of North America: Eastern United States and Canada.** 3 hours.
August 17-September 4. 1-3 daily. Price.
- Geog 507. **Seminar: Latin America.** 8-12 hours.
Field research problems in Mexico. Dicken.

Health, Physical Education, and Recreation

Physical Education

- PE 180, 190, PE 380, 390. **Badminton.** 1 hour.
For men and women. 11 MWF. Ballou.
- PE 180, 190, PE 380, 390. **Swimming.** 1 hour.
For men and women. 12 MWF. Ballou.
- PE 180, 190, PE 380, 390. **Tennis.** 1 hour.
For men and women. 2 MWF. Ballou.
- PE 180, 190, PE 380, 390. **Golf.** 1 hour.
For men and women. 3-5 MW. Ballou.
- PE 180, 190, PE 380, 390. **Golf.** 1 hour.
For men and women. 3-5 TuTh. Ballou.
- PE 180, 190, PE 380, 390. **Golf.** 1 hour.
For men and women. 10-12 TuTh. Ballou.

Health Education

- HE 250. **Personal Health.** 3 hours.
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. 11 MWF. Smith.

HE 252. First Aid. 3 hours.

Study of first aid and safety procedures—for the individual, schools, athletics, and civilian defense; meets certification standards of the American Red Cross. 9 MWF. Smith.

History

Hst 101. History of Western Civilization. 3 hours.

First four weeks, June 22-July 17. Origins and development of Western civilization from ancient times to the end of the Middle Ages. 8-10 MTuWTh. Bauman.

Hst 102. History of Western Civilization. 3 hours.

Second four weeks, July 20-August 14. The development of Western civilization from the Renaissance to the end of the Napoleonic era. 8-10 MTuWTh. Bauman.

Hst 103. History of Western Civilization. 3 hours.

Three weeks, August 17-September 4. The development of Western civilization since 1815. 8-10 daily. Bauman.

Hst 201. History of the United States. 3 hours.

First four weeks, June 22-July 17. The thirteen colonies, the American Revolution, and the United States to about 1842. 10-12 MTuWTh. Hendrickson.

Hst 202. History of the United States. 3 hours.

Second four weeks, July 20-August 14. Survey of United States history from 1840 to 1900. 10-12 MTuWTh. Hendrickson.

Hst 203. History of the United States. 3 hours.

Three weeks, August 17-September 4. Survey of United States history since 1900. 10-12 daily. Hendrickson.

Hst 301. Europe since 1789. 3 hours.

First four weeks, June 22-July 17. Political, social, economic, and cultural trends from the French Revolution to 1870. 8-10 MTuWTh. Pierson.

Hst 302. Europe since 1789. 3 hours.

Second four weeks, July 20-August 14. Political, social, economic, and cultural trends from 1870 to 1918. 8-10 MTuWTh. Pierson.

Hst 303. Europe since 1789. 3 hours.

Three weeks, August 17-September 4. Political, social, economic, and cultural trends since 1918. 8-10 daily. Pierson.

Hst 350. Hispanic America. 3 hours.

First four weeks, June 22-July 17. A study of Hispanic America from the early Indian civilizations through the periods of Spanish conquest and colonization. 1-3 MTuWTh. MacMichael.

Hst 351. Hispanic America. 3 hours.

Second four weeks, July 20-August 14. A survey of Hispanic America during the 19th century. 1-3 MTuWTh. MacMichael.

Hst 352. Hispanic America. 3 hours.

Three weeks, August 17-September 4. A survey of Hispanic America during the 20th century. 1-3 daily. MacMichael.

Hst 391. Far East in Modern Times. 3 hours.

First four weeks, June 22-July 17. 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 1895. 10-12 MTuWTh. Falconeri.

Hst 392. **Far East in Modern Times.** 3 hours.

Second four weeks, July 20-August 14. Political, economic, and diplomatic history of China, Japan, and Korea from 1895 to 1931. 10-12 MTuWTh. Falconeri.

Hst 393. **Far East in Modern Times.** 3 hours.

Three weeks, August 17-September 4. Political, economic, and diplomatic history of China, Japan and Korea from 1931 to the present. 10-12 daily. Falconeri.

Mathematics

Mth 10. **Elements of Algebra.** No credit.

Intended for students who have had less than one year of high-school algebra. 8 MTuWF.

Mth 100. **Intermediate Algebra.** 4 hours.

Intended for students who have had only one year of high-school algebra or who have not had algebra for some time. 8 MTuWF.

Mth 104. **Introductory College Mathematics.** 4 hours.

The first term of the standard freshman sequence. Primarily college algebra and trigonometry. Prerequisite: One and one-half years of high-school algebra or intermediate algebra in college. 10 MTuWF.

Mth 105. **Introductory College Mathematics.** 4 hours.

The second term of the standard freshman sequence. Analytic geometry and other selected topics. Prerequisite: trigonometry. 8 MTuWF.

Mth 204. **Analytic Geometry and Calculus.** 5 hours.

The first term of a three-term sequence. Prerequisite: four years of high-school mathematics including trigonometry, or college mathematics including trigonometry. 10 MTuWThF.

Mth 206. **Introductory College Mathematics.** 5 hours.

Infinite series, partial derivatives, multiple integrals. 10 daily.

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

Mth 407. **Seminar: Number Theory.** 4 hours.

Prerequisite: A one-term course in number theory or consent of instructor. 9 MTuWF. Maier.

Mth 407. **Seminar: Elementary Topology.** 3-4 hours.

Prerequisite: consent of instructor. 1 MTuWTh. Van Buskirk.

Mth 418. **Differential Equations.** (g) 3 hours.

Linear differential equations, applications, systems of equations. Prerequisite: calculus. 8 MWF. Gillette.

Mth 444. **Computing.** (g) 4 hours.

First ten weeks, June 22-August 28. 11 MWF.

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

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

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

Music

Mus 130. **Music Theory I.** 4 hours.

Study of diatonic functional triadic harmony. Written work correlated with sight singing, analysis, aural comprehension, and keyboard application. 8 daily. Maves.

Mus 204. Music History. 3 hours.

Primarily for music majors. Basic stylistic concepts; the classic period (through Beethoven). Prerequisite: Mus 132. 11 MWF. Hladky.

Mus 230. Music Theory II. 3 hours.

Continuation of Mus 132. Written work correlated with sight singing, analysis, aural comprehension, and keyboard harmonies. Prerequisite: Mus 132 or equivalent. 10 MTuThF. Rost.

Mus 233. Keyboard Harmony. 1 hour.

Keyboard application of the theoretical principles of Mus 230; taken concurrently with Mus 230. Prerequisite: Mus 132 or equivalent; minimum piano proficiency. 3 MW. Possman.

Physics

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

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

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

Ph 507. **Seminar: Theoretical Physics.** Hours to be arranged.

Ph 507. **Seminar: Nuclear Physics.** Hours to be arranged.

Ph 507. **Seminar: Solid State Physics.** Hours to be arranged.

Political Science

PS 201. American Government. 3 hours.

Provisions and principles of the United States Constitution; how they were formulated and have developed in American government and politics. 8 MWF.

PS 391, 392, 393. Far East in Modern Times. 9 hours.

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 the present. Falconeri.

Sociology

Soc 204. General Sociology. 3 hours.

First four weeks, June 22-July 17. Introduction to basic sociological problems. A frame of reference, selected hypotheses, and empirical generalizations will be given in connection with these problems; dominant characteristics of modern societies; the relation between the individual and the group. 10-12 MTuWTh. Rodgers.

Soc 205. General Sociology. 3 hours.

Second four weeks, July 20-August 14. Types of social groups, analysis of the components of groups; economic, political, and control components or groups. Prerequisite: Soc 204. 10-12 MTuWTh. Rodgers.

Soc 206. General Sociology. 3 hours.

Three weeks, August 17-Sept. 4. Analysis of the control components of groups; kinship, religion, and social stratification; social change, population, and ecology. Prerequisite: Soc 204, 205. 10-12 daily. Van Blaerden.

Soc 334. Social Psychology. 3 hours.

First four weeks, June 22-July 17. 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 Psy 201, 202. 8-10 MTuWTh. Berreman.

Soc 335. Social Psychology. 3 hours.

Second four weeks, July 20-August 14. 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 Psy 201, 202. 8-10 MTuWTh. Berreman.

Soc 437. Sociology of Race Relations. (G) 3 hours.

The development of "race consciousness" and emergent problems of race-culture contacts. Prerequisite: introductory course in sociology, anthropology, or psychology. 8-10 daily. Berreman.

Speech

Sp 111. Fundamentals of Speech. 3 hours.

Projects in extempore speaking. Primary emphasis on content and organization of speeches and adjustment to the speaking situation. 10 MWF. Nobles.

Sp 321. Argumentation. 3 hours.

Principles of effective argument, with special attention to reasoning, evidence, organization, and refutation. 9 MWF. Nobles.

Sp 507. Seminar: High-School and College Forensics. 3 hours.

Nobles.

Sp 507. Seminar: Persuasion. 3 hours.

Nobles.

Sp 512. American Public Address. 3 hours.

The history of public speaking in the United States, with emphasis on the relation of historical development to current problems in criticism. 2 MWF. Nobles.

Eight-Week Session

Anthropology

Professors: BARNETT, SPAULDING.

Associate Professors: DORJAHN, A. SMITH.

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

Anth 456. **Language, Culture, and Behavior.** (G) 3 hours.

The way people and groups behave toward one another through language, gestures, and other forms of communication and how this changes their behavior. 11 MTuWTh. Smith.

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

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

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

Anth 505. **Reading and Conference: Man and Culture.** 6 hours.

Explores the interrelations of the different components of culture (i.e., economics, social organization, religion, etc.) in a behavioral system. Case-study methods applied to cultures as functioning units. Designed especially for teachers with an interest in anthropology. Prerequisite: bachelor's degree with at least one year of course work in anthropology, sociology, geography, psychology or a related field and consent of instructor. Barnett, Dorjahn.

Anth 505. **Reading and Conference: New Theoretical Developments.** 3 hours.

Presents significant contemporary theory in each of the fields of anthropology: physical, cultural, pre-history and linguistics. Designed especially for teachers with an interest in anthropology. Prerequisite: Same as for Anth 505. Man and Culture. Spaulding.

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

The background and perspectives of each of the social-science disciplines—anthropology, economics, political science, psychology, and sociology. Selected aspects of social organization and process considered in detail. 8-10 MTuWTh. Tope, Campbell, Smith, Fosmire.

Architecture and Allied Arts

Visiting Faculty: MASLEY, TEFFT, WALKER.

Professors: ANDREWS, FERENS, ROSS.

Associate Professors: BALLINGER, BURGNER, MOURSUND, NIXON, RYAN.

Assistant Professors: BUCKNER, FOSTER, GEHRING, JAMES, SAN JOSE.

Instructor: STARCK.

Applied Design

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

Introduction to ceramic techniques and materials; throwing, molding, and hand building; surface decoration of two- and three-dimensional surfaces. Students participate in stacking, firing, and drawing the kiln. Open to non-majors. 1-3 MTuWTh. James.

AA 256. Beginning Weaving. 2-3 hours.

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. 10-12 MTuWTh. Nixon.

AA 257. Metalwork and Jewelry. 2-3 hours.

The handworking of nonferrous metals—copper, brass, pewter, silver, gold. Development of design for metal objects; enameling on metal; centrifuge casting. 8-10 MTuWTh. Nixon.

AA 401. Special Studies. Hours to be arranged.**AA 405. Reading and Conference.** Hours to be arranged.**AA 455. Advanced Ceramics.** (G) 2-3 hours.

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 work. Prerequisite: 6 hours in AA 255. 8-10 MTuWTh. James.

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

Emphasis on creative work. Production of a wide variety of handwoven fabrics; historical studies, fabric analysis, spinning and dyeing. 1-3 MTuWTh. Nixon.

AA 457. Advanced Metalwork and Jewelry. (G) 2-3 hours.

Emphasis on creative work. Advanced problems in forcing, centrifuge casting, enameling, etching, and repousse. 10-12 MTuWTh. Nixon.

AA 501. Special Studies. Hours to be arranged.**AA 505. Reading and Conference.** Hours to be arranged.

Architecture

AA 401. Special Studies. Hours to be arranged.**AA 487. Architectural Design.** 5 hours.

No-grade course. Extension of creative processes; synthesis and coordination of technological, cultural, and social aspects of architecture; design projects, individual criticism; group discussions, reviews of projects. Prerequisite: 12 term hours in AA 387. 8-12 MTuWTh.

AA 587. Architectural Design. 1-6 hours.

No-grade course. Offered for students nearing completion of their major program who wish to accelerate their advancement toward graduation. Terminal-project candidates planning to enroll should be recommended by their committee chairman. 8-12 MTuWTh.

Art Education

ArE 316. Children's Art Laboratory. 2 hours.

July 20-August 14. Work with children in a supervised art laboratory; designed for students preparing for art teaching at both the elementary and secondary level. 8-10 daily. Burgner.

ArE 401. Special Studies: Art for the Elementary Teacher. 2 hours.

June 22-July 17. Critical examination of the significance of art experience for teacher and student in the primary and intermediate grades. Lectures and laboratory. 8-10 daily. Ballinger.

ArE 401. Special Studies: Art in Junior and Senior High School. 2 hours.

June 22-July 17. Study of significant art experiences for junior and senior high school students. Laboratory, lecture, and discussion periods. 8-10 daily.

- ArE 405. **Reading and Conference.** Hours to be arranged.
- ArE 409. **Practicum: Art for the Mentally Retarded Child.** (g) Hours to be arranged.
Practicum experience provided in the use of creative activities as problem-solving opportunities for the mentally retarded child; laboratory experiences with art and craft materials.
- ArE 411. **Methods and Research Materials in Elementary School Art.** (G) 3 hours.
The effective use of ideas and materials in creative activities. Research, methods, and current literature in the field. Prerequisite: one year's teaching experience or academic work in the visual arts. 10-12 MTuWTh. Burgner.
- ArE 501. **Special Studies.** Hours to be arranged.
- ArE 501. **Special Studies: Art in Junior and Senior High School.** 2 hours.
June 22-July 17. Study of significant art experiences for junior and senior high school students. Laboratory, lecture, and discussion periods. 1 daily. Masley.
- ArE 507. **Seminar: Freedom, the Artist and the Teacher.** 2 hours.
June 22-July 17. 11 TuTh. Masley.
- ArE 532. **Supervision of Children's Art Laboratory.** 3 hours.
July 20-August 14. Designed to provide an opportunity for work with children in a planned laboratory situation; responsibility for program design and supervision of children's art activities. Prerequisite: teaching experience or consent of instructor. 8-10 daily. Burgner.

Drawing and Painting

- AA 290. **Painting.** 2-3 hours.
Instruction in the use of oil color, water color, and other media. 9-12 MTuWTh. Ryan.
- AA 291. **Drawing.** 1-3 hours.
Training in observation and selection of significant elements. 10-12 MTuWTh. James.
- AA 295. **Basic Design.** 2 hours.
Studio participation exercises involving the basic principles of design; a three-term introductory sequence. Open to nonmajors. 1-3 MTuWTh. Starck.
- AA 349. **Fundamentals of Print Making.** 3 hours.
Graphic reproduction and print techniques in silk screen, block printing, and photographic processes. Foster.
- AA 401. **Special Studies.** Hours to be arranged.
- AA 401. **Special Studies: Beginning Lettering.** Hours to be arranged.
1st four weeks June 22-July 17; 2nd four weeks July 20-August 14. 10-12 MTuWThF. Starck.
- AA 405. **Reading and Conference.** Hours to be arranged.
- AA 490. **Advanced Painting.** (g) 2-4 hours.
Advanced problems in portrait figure, landscape, and still life, in all media. Prerequisite: 12 hours in AA 290 or AA 390. 10-12 MTuWTh. Ryan.
- AA 491. **Advanced Drawing.** (g) 1-4 hours.
Advanced work in drawing. Study of form from the figure. Prerequisite: 6 hours in AA 291 or AA 391. 8-11 MTuWTh. Ryan.
- AA 493. **Visual Continuity.** 1-3 hours.
Study of the problems of image sequence and continuity in printed material, display, photography, and film. Prerequisite: consent of instructor. Foster.
- AA 501. **Special Studies.** Hours to be arranged.
- AA 505. **Reading and Conference.** Hours to be arranged.

- AA 509. **Terminal Creative Project.** Hours to be arranged.
- AA 590. **Graduate Studies in Painting, Drawing, and Design.** Hours to be arranged.

History of Art

- AA 401. **Special Studies.** (G) Hours to be arranged.
Survey of Latin American art. 1 MTuWTh. Walker.
- AA 405. **Reading and Conference.** Hours to be arranged.
- AA 475. **Background of Modern Art.** (G) 3 hours.
Intensive study of the development of art in the nineteenth and early twentieth centuries. Prerequisite: AA 201, 202, 203 or AA 204, 205, 206. 9 MTuWTh. Walker.
- AA 501. **Special Studies.** Hours to be arranged.
- AA 505. **Reading and Conference.** Hours to be arranged.

Sculpture

- AA 293. **Elementary Sculpture.** 2-4 hours.
Introduction to materials. Elementary considerations of form; technical and compositional exercises in clay, plaster, wood, and stone. 8-10 MTuWTh. Buckner.
- AA 401. **Special Studies.** Hours to be arranged. Tefft.
- AA 405. **Reading and Conference.** Hours to be arranged. Tefft.
- AA 494. **Advanced Sculpture.** (G) 2-4 hours.
Coordination of sculpture with related fields of architectural, landscape, interior, and industrial design. 10-12 MTuWTh. Buckner.
- AA 501. **Special Studies.** Hours to be arranged. Tefft.
- AA 505. **Reading and Conference.** Hours to be arranged. Tefft.

Biology

Visiting Faculty: BECKING, MURPHY.

Instructor: KARR.

Bi 101, 102. **General Biology.**

Fundamental principles of life science illustrated by studies of structure, function, and evolution in animals and plants. This is a three-term sequence; the third term is taught in the eleven-week session. Students who have taken one or two terms previously should consult the instructor.

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

First four weeks, June 22-July 17. 8-9:30 daily; lab: 9:30-12:30 MWTh.

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

Second four weeks, July 20-August 14. 8-9:30 daily; lab: 9:30-12:30 MWTh.

- Bi 401, 501. **Research.** Hours to be arranged.
- Bi 403, 503. **Thesis.** Hours to be arranged.
- Bi 405, 505. **Reading and Conference.** Hours to be arranged.
- Bi 407, 507. **Seminar.** Hours to be arranged.
- Bi 408. **Laboratory Projects.** (G) Hours to be arranged.

Bi 432. Fungi. (G) 4 hours.

Structure, physiology, and classification of fungi. Lectures and laboratory. 1 MWF; lab: 2-5 MWF.

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

Field study of native vegetation. Identification and classification of seed plants; distribution of plants in relation to environment; characteristics and behavior of plant communities. Examples drawn primarily from western Oregon, but methods are of general applicability. The course content includes material directly usable in the public schools. Lectures, laboratory, and field work, including several Saturday field trips. 1-5 MW; Saturday field trips.

Bi 455. Histology. (G) 4 hours.

Systematic study, description, and identification of microscopic structures of vertebrate tissues. Lectures and laboratory. 8 MWF; lab: 9-12 MWF.

Bi 459. Ornithology. (G) 3 hours.

Natural history of birds, with emphasis on behavior. 6-9 TuTh; field trips to be arranged.

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

Designed especially to meet the needs of biology teachers. Field collection, identification, and culturing of living material; utilization of this material in the experimental work of the biology teaching laboratory. Special techniques effective in demonstrating the dynamics of living processes. Field trips for the exploration of the various kinds of habitats found in the Northwest. Students should be provided with field clothes, hip boots or waders, and camping equipment. Lectures, discussions, laboratory, and field work, including several Saturday or week-end field trips. Prerequisite: consent of instructor. 1-5 TuTh; several week-end field trips. Murphy.

Bi 590. Recent Advances in Biology. 4 hours.

Survey of recent advances in the rapidly moving areas of biology, such as cytology, genetics, ecology, physiology, molecular biology, and morphology. Enrollment restricted to high-school teachers. 9:30-12 TuTh.

Oregon Institute of Marine Biology

Visiting Faculty: DUBE, FRITCHMAN, HINSCH, KOZLOFF, YARBERRY.

Associate Professor: FRANK.

Instructor: DARBY.

The courses listed below will be offered at the Oregon Institute of Marine Biology, Charleston, Oregon. Detailed description of these courses is published in a special announcement available on request to the Director of Summer Sessions or to Dr. Peter W. Frank, director, Oregon Institute of Marine Biology, Department of Biology, University of Oregon.

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

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

Bi 407, 507. **Seminar.** 1 hour.

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

Bi 456. **Biology of Marine Organisms.** (G) 8 hours.

Designed as an introduction to marine biology for college teachers who have had no firsthand experience in this field. Enrollment restricted. Daily.

Bi 461, 462. **Invertebrate Zoology.** (G) 8 hours.

Survey of representative invertebrate groups, with emphasis on marine forms; morphology, systematics, ecology, and life histories. Bi 461 and 462

Class Schedule by Hours

(Subject to change)

Eight-Week Session

6:00 to 9:00 a.m.

Number	Course Title	Instructor
Bi 459.	Ornithology. (TuTh)	

8:00 a.m.

Bi 455.	Histology. (MWF, lab 9-2 MWF)	
Ec 318.	Money and Banking. (MTuWTh)	Siegel
Ec 488.	American Economic History. (MTuWTh)	Peterson
Ed 353.	The Child and His Curriculum: Arithmetic. (MTuWTh)	Schinke
Ed 428.	Psychology of Reading Instruction. (MTuWTh)	Hill
Ed 512.	Research Procedures. (MTuWTh)	Mittman
Ed 535.	Social Studies in the Elementary School. (MTuWTh)	Willard
Ed 576.	School Buildings. (MTuWTh)	Hines
Wr 111.	English Composition (First Term). TuWThF	Oswald
Eng 461.	Romantic Poets. (TuWThF)	Strange
Eng 507.	Seminar: Applied Criticism. (daily)	
Eng 507.	Seminar: Structure and History of English. (daily)	O'Neil
AL 306.	Literature of the Ancient World. (MTuWTh)	Combella
RL 405.	505. Reading and Conference. (MTuWTh)	Fischer
RL 405.	505. Reading and Conference. (MTuWTh)	Falley
PE 420.	Methods in Elementary School Physical Education. (TuWThF)	Munson
PE 446.	Tests and Measurements in Physical Education. (TuWThF)	Rhoda
PE 551.	Administration of Physical Education. (TuWThF)	Esslinger
HE 464.	Health Instruction. (TuWThF)	Kime
Hst 444.	Twentieth-Century Europe. (MTuWTh)	Adams
Hst 488.	American Economic History. (MTuWTh)	Peterson
J 361.	Reporting. (MTuWTh)	Price
Lib 491.	Storytelling. (MTuWTh)	Lane
Lib 495.	Literature of the Social Sciences. (MTuWTh)	Jones
Mth 111.	Mathematics for Elementary Teachers. (daily)	Sherman
Mth 425.	Elements of Statistical Methods. (MTuWTh)	
Mth 599.	Analysis. (daily)	Moursund
MuE 407.	Seminar: Vocal Literature for Elementary Teachers. (MWF)	Whitfield
Mus 440.	Composition. (MWF)	Earls
PS 410.	India in Modern Times. (MTuWTh)	Schleicher
Sp 111.	Fundamentals of Speech. (MTuWTh)	Montgomery
Sp 551.	Theory of Dramatic Production. (MTuWTh)	Robinson

8:00 to 10:00 a.m.

Anth 507.	Seminar: Scope and Methods of the Social Sciences. (MTuWTh)	Tope, staff
AA 257.	Metalwork and Jewelry. (MTuWTh)	Nixon
AA 293.	Elementary Sculpture. (MTuWTh)	Tefft
AA 455.	Advanced Ceramics. (MTuWTh)	James
ArE 316.	Children's Art Laboratory. (daily)	Burgner
ArE 401.	Special Studies: Art for the Elementary Teacher. (daily)	Ballinger
ArE 401.	Special Studies: Art in Junior and Senior High School. (daily)	
Ec, Ed, PS, Psy, Soc 507.	Seminar: Scope and Methods of the Social Sciences. (MTuWTh)	Tope, staff
Ed 315.	Human Development and Learning. (MTuWTh)	Bell
Soc 407.	Seminar: Sociology of Leisure. (W)	Johannis
Soc 440.	Group Dynamics. (TuTh)	Johannis

8:00 to 11:00 a.m.

AA 491.	Advanced Drawing. (MTuWTh)	Ryan
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8:00 a.m. to 12:00 noon

AA 487.	Architectural Design. (MTuWTh)	
AA 587.	Architectural Design. (MTuWTh)	Andrews, Ferens, Moursund
ArE 409.	Practicum: Art Experiences for the Mentally Retarded. (MTuWTh)	
Ed 409.	Practicum: Teaching the Mentally Retarded. (MTuWTh)	
Ed 489.	Curriculum for the Mentally Retarded. (MTuWTh)	

9:00 a.m.

AA 476.	Background of Modern Art. (MTuWTh)	Walker
Ec 202.	Principles of Economics. (TuWTh)	Koplin
Ed 407.	Seminar: Teaching Reading in the Elementary School. (MTuWTh)	Utsey

Number	Course Title	Instructor
Ed 407.	Seminar: Administration of Pupil Personnel Services. (MTuWTh)	Mattson
Ed 407.	Seminar: Elementary School Guidance. (MTuWTh)	Loughary
Ed 429.	Principles of Remedial Education. (MTuWTh)	
Ed 488.	Educational and Vocational Guidance. (MTuWTh)	Acker
Ed 507.	Seminar: School Personnel Policies and Procedures. (MTuWTh)	Dils
Ed 525.	Theory and Technique of Educational Measurement. (MTuWTh)	Mittman
Ed 534.	Science in the Elementary School. (MTuWTh)	Kambly
Ed 554.	Elementary-School Supervision and Administration. (MTuWTh)	Sandin
Ed 574.	School Supervision. (MTuWTh)	Hines
Wr 324.	Short-Story Writing. (First Term). (TuWThF)	Hall
Eng 305.	Satire. (TuWThF)	Oswald
Eng 507.	Seminar: Oral and Written Discourse. (daily)	Aly
Eng 507.	Seminar: Structure and History of English. (daily)	O'Neil
Eng 540.	Problems and Methods of Literary Study. (TuWThF)	Svensden
Geol 352.	Geology of Oregon. (MTuWTh)	Baldwin
PE 507.	Seminar: Sports in American Culture. (TuWThF)	Staley
PE 517.	Methods of Research. (TuWThF)	Brumbach
HE 252.	First Aid. (MTuWTh)	W. Smith
HE 542.	Basic Issues in Health Education. (TuWThF)	Haar
Hst 457.	The Era of American Sectional Conflict. (MTuWTh)	Durden
Hst 465.	British Empire (Africa). (MTuWTh)	R. Smith
J 457.	The Press and Society. (MTuWTh)	Price
Lib 490.	Children's Literature. (MTuWTh)	Lane
Lib 493.	Literature of the Humanities. (MTuWTh)	McCullough
Mth 457.	Foundations of Mathematics. (daily)	Ghent
Mth 507.	Seminar: Number Theory. (MTuWF)	Maier
Mth 507.	Seminar: Number Theory. (daily)	Jennings
Mus 407.	Chromaticism. (MTuWTh)	Mitchell
MuE 407.	Seminar: Music in the Elementary School. (MTuWTh)	Nye
Phl 202.	Elementary Ethics. (MTuWTh)	Paul
Phl 407.	Seminar: American Philosophy. (MTuWTh)	Jessup
Ph 418.	Nuclear Physics. (daily)	
PS 429.	Government and Politics of China. (MTuWTh)	Fizzman
Sp 351.	Technique of Acting: Voice. (MTuWTh)	
Sp 371.	Speech Science. (MTuWTh)	Wood
Sp 424.	Speech Forms and Techniques in Group Control. (MTuWTh)	Montgomery
Sp 488.	Audiology. (MTuWTh)	Christensen
Sp 507.	Seminar: Introduction to Graduate Study. (MTuWTh)	Shepherd

9:00 to 11:00 a.m.

Mus 51. Basic Voice. (TuTh)

9:00 a.m. to 12:00 noon

AA 290. Painting. (MTuWTh) Ryan

9:30 a.m. to 12:00 noon

Bi 590. Recent Advances in Biology. (TuTh)

10:00 a.m.

Ch 320.	Elementary Quantitative Analysis. (MTuWTh; lab, 2-5 MTuTh)	Erye
Ch 429.	Survey of Analytical Chemistry. (MTuWTh; lab, 2-5 MTuTh)	Erye
Ec 417.	Contemporary Economic Problems. (MTuWTh)	Wattles
Ed 407.	Seminar: Teaching Social Studies and Science in the Elementary School (daily)	Nye
Ed 429.	The Gifted Child. (MTuWTh)	Lovell
Ed 485.	Principles and Practices of Guidance Services. (MTuWTh)	
Ed 526.	Counseling Theories. (MTuWTh)	Loughary
Ed 536.	Language Arts in the Elementary School. (MTuWTh)	Willard
Ed 573.	Public School Organization. (MTuWTh)	Farner
Eng 203.	Shakespeare (Third Term). (TuWThF)	McKnight
Eng 321.	English Novel (Second Term). (TuWThF)	Cadbury
Eng 441.	Seventeenth-Century Literature (Second Term). (TuWThF)	Candelaria
RL 405, 505.	Reading and Conference. (MTuWTh)	Fischler
Geol 456.	Regional Geology of North America. (MTuWTh)	Baldwin
PE 180, 190, PE 380, 390.	Swimming. (MTuWTh)	Schandel
PE 550.	Current Movements in Physical Education. (TuWThF)	Washke
PE 558.	Curriculum Construction in Physical Education. (TuWThF)	Sprague
HE 465.	School Health Service. (TuWThF)	Tuck
Hst 478.	History of the Pacific Northwest. (MTuWTh)	Bogue
Hst 481.	The United States in the Twentieth Century. (MTuWTh)	Peterson
J 341.	Principles of Advertising. (MTuWTh)	Wales
Mth 104.	Introductory College Mathematics. (daily)	
Mth 507.	Seminar: Fourier Series. (MTuWTh)	Moursund
MuE 383.	Music for Elementary Teachers. (MTuWTh)	Whitfield
MuE 446.	Band Materials. (MWF)	Lee
MuE 532.	Basic Concepts. (MTuWTh)	Nye
GS 106.	Physical Science Survey. (daily)	Dart
PS 205.	International Relations. (MTuWTh)	Schleicher
Psy 204.	Psychology of Adjustment. (MTuWTh)	
Sp 261, 262, 263.	Theatre Principles. (MTuWTh)	Peck
Sp 464.	History of the Theater. (MTuWTh)	DeChaine
Sp 507.	Seminar: Psychology of Speech. (MTuWTh)	Wood

10:00 a.m. to 12:00 noon

<i>Number</i>	<i>Course Title</i>	<i>Instructor</i>
AA 256.	Beginning Weaving. (MTuWTh)	Nixon
AA 291.	Drawing. (MTuWTh)	James
AA 457.	Advanced Metalwork and Jewelry. (MTuWTh)	Nixon
ArE 411.	Methods and Research Materials in Elementary School Art. (MTuWTh)	Burgmer
AA 490.	Advanced Painting. (MTuWTh)	Ryan
AA 494.	Advanced Sculpture. (MTuWTh)	Tefft
Ed, PS 507.	Seminar: Nature and Problems of Administrative Behavior. (MTuWTh)	Jacobson
PE 180, 190, PE 380, 390.	Golf. (TuTh)	Ballou
Lib 486.	Introduction to Cataloging and Classification. (TuTh)	Salisbury
Lib 487.	Cataloging and Classification. (MW)	Pierron
Lib 488.	Books and Related Materials for Young People. (MW)	Salisbury
Lib 511.	History of the Book. (MW)	Hintz
PS 420.	The Politics of Latin America. (TuTh)	Goldrich
Soc 308.	World Population and Social Structure. (TuTh)	Martin

11:00 a.m.

Anth 456.	Language Culture and Behavior. (MTuWTh)	A. Smith
Ch 439.	Survey of Organic Chemistry. (MTuWTh; lab 9-12 F)	Frye
Ec 451.	Comparative Economic Systems. (daily)	Koplin
Ed 317.	Social Foundations in Teaching. (MTuWTh)	Graham
Ed 352.	Teaching Language Arts in Elementary School. (MTuWTh)	Nye
Ed 446.	Modern Philosophies of Education. (MTuWTh)	Castell
Ed 462.	Psychology of Exceptional Children. (MTuWTh)	Mattson
Ed 465.	Diagnostic Techniques in the Basic Skills. (MTuWTh)	O'Neill
Ed 468.	Remedial Techniques in the Basic Skills. (MTuWTh)	Brown
Ed 507.	Seminar: Nurturing Creative Thinking in Children. (MTuWTh)	Myers
Ed 537.	Reading in the Elementary School. (MTuWTh)	Utsey
Ed 572.	Public School Administration. (MTuWTh)	R. Carlson
Wr 216.	Expository Writing. (TuWThF)	McKnight
Eng 464.	Later Nineteenth-Century Poets. (TuWThF)	Cadbury
Eng 507.	Seminar: Oral and Written Discourse. (daily)	Aly
Eng 507.	Seminar: Applied Criticism. (daily)	
GL 334, 335, 336.	Intermediate German Composition and Conversation. (MTuWTh)	McWilliams
GL 405, 505.	Reading and Conference. (MTuWTh)	Garramon
RL 314.	Intermediate French Composition and Conversation. (MTuWTh)	Rosen
RL 405, 505.	Reading and Conference. (MTuWTh)	Baldwin
Geol 103.	General Geology. (MTuWTh)	Borchardt
PE 180, 190, PE 380, 390.	Swimming. (MTuWTh)	Staley
PE 507.	Seminar: Problems in Physical Education. (TuWThF)	Brumbach
PE 553.	Psychology of Motor Skills. (daily)	Sprague
PE 556.	Administration of Building and Facilities. (TuWThF)	W. Smith
HE 250.	Personal Health. (MTuWF)	Carlin
Hst 419.	Studies in Western Civilization. (MTuWTh)	Durden
Hst 459.	The Era of Reconstruction. (MTuWTh)	Metzler
J 468.	Magazine Article Writing. (WThF)	Earls
Mus 439.	Choral Arranging. (MTuThF)	Mitchell
Mus 452.	Classic Symphony and Sonata. (MTuWTh)	Jessup
Phl 203.	Elementary Logic. (MTuWTh)	Paul
Phl 415.	Plato. (MTuWTh)	Edwards
Psy 450.	Abnormal Psychology. (MTuWTh)	
Sp 311.	Advanced Interpretation. (MTuWTh)	Montgomery
Sp 370.	Phonetics. (MTuWTh)	Shepherd
Sp 448.	Radio-Television and the Public. (MTuWTh)	
Sp 461.	Introduction to Scene Design. (MTuWTh)	

11:00 a.m. to 1:00 p.m.

Psy 210.	General Psychology Laboratory. (Tu)	
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12:00 noon

Ed 314.	Principles of Secondary Teaching. (MTuWTh)	
PE 506.	Special Problems: Athletic Injuries. (MTuWTh)	Rhoda
Mus 195, 395.	Band. (MTuWTh)	Lee

1:00 p.m.

AA 401.	Special Studies: Survey of Latin American Art. (MTuWTh)	Walker
Bi 432.	Fungi. (MWF; lab 2-5 MWF)	
Ed 424.	Measurement in Education. (MTuWTh)	Cunningham
Ed 464.	The Mentally Retarded Child. (MTuWTh)	
Ed 469.	Reading in High School and College. (MTuWTh)	
Ed 476.	School Law and Organization. (MTuW)	Frazier
Ed 507.	Seminar: Educational Data Process. (MTuWTh)	
Ed 507.	Seminar: Principles of Work Evaluation. (MTuWTh)	Thomas
Ed 529.	Advanced Educational Psychology. (MW)	Lovell
Ed 538.	Mathematics in the Elementary School. (MTuWTh)	Schminke
Ed 553.	Elementary-School Curriculum. (MTuWTh)	Candland
Ed 593.	Methods in Secondary-School English. (MTuWTh)	Zimmerman
Ed 594.	Methods in Secondary-School Mathematics. (MTuWTh)	Schaaf
Geog 301.	Geography of Oregon. (MTuWTh)	Merrill
Geog 432.	Geography of Africa. (MTuWTh)	Urquhart
PE 516.	Intramural Organization and Management. (MTuWTh)	Washke
HE 450.	Elementary-School Health Education. (MTuWTh)	Tuck

Number	Course Title	Instructor
HE 506.	Special Problems: Traffic Safety. (MTuWTh)	Haar
Mth 507.	Seminar: Elementary Topology. (MTuWTh)	Van Buskirk
Mus 197, 497.	Chorus. (MTuWTh)	Risinger
MuE 321.	Music Fundamentals. (MWF)	Whitfield
MuE 407.	Seminar: Advanced Pedagogy in Woodwind Instruments. (MWF)	Cunningham
MuE 407.	Seminar: Advanced Pedagogy in Brass Instruments. (MWF)	Rost
Soc 305.	Contemporary Social Problems. (MTuWTh)	Bisno
Sp 264, 265, 266.	Production Workshop. (MTuWTh)	Peck
Sp 365.	Direction of Children's Theater. (MTuWTh)	
Sp 445.	Television Production. (MTuWTh)	Shepherd
Sp 482.	Speech Pathology. (MTuWTh)	Wood

1:00 to 3:00 p.m.

AA 255.	Ceramics. (MTuWTh)	James
AA 295.	Basic Design. (MTuWTh)	Starck
AA 456.	Advanced Weaving. (MTuWTh)	Nixon
PE 180, 190, PE 380, 390.	Golf. (TuTh)	Borchardt
PE 180, 190, PE 380, 390.	Tennis. (MW)	Schendel
Lib 484.	School Library Administration. (MW)	Salisbury
Soc 407.	Seminar: Theory and Research in the Family. (MW)	Rodgers
Soc 507.	Seminar: Propaganda and Social Control. (W)	Berremen

1:00 to 3:30 p.m.

Psy 507.	Seminar: Psychopharmacology. (Tu)	Edwards
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1:00 to 4:00 p.m.

Ed 562.	Issues in Extreme Learning Difficulties. (M)	Hill
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1:00 to 5:00 p.m.

Bi 439.	Field Botany. (MW)	
Bi 494.	Laboratory and Field Methods in Biology. (TuTh)	

2:00 p.m.

Ed 310.	The School in American Life. (MTuWTh)	Topo
Ed 491.	Social Education. (MTuWTh)	Graham
Ed 515.	Educational Statistics. (MTuWTh)	Clarke
Ed 528.	Group Testing in Schools and Colleges. (MTuWTh)	Christensen
Ed 575.	School Finance. (MTuWTh)	Farner
Geog 302.	Geography of North America: Western U.S. and Canada. (MTuWTh)	Urguhart
PE 221.	Games for the Elementary School. (MTuWTh)	Munson
PE 540.	Statistical Methods in Physical Education. (MTuWTh)	Clarke
HE 467.	Driver Education. (MTuWTh)	Kime
HE 507.	Seminar: Problems of Mental and Emotional Adjustment in Health and Physical Education. (MTuWTh)	W. Smith
Mth 459.	Foundations of Mathematics. (MTuWTh)	
Mth 507.	Seminar: Algebra. (MTuWTh)	
Mus 196, 396.	Orchestra. (MTuTh and 7 p.m. W)	Maves
Mus 438.	Band Arranging. (MTuWTh)	Rost
Mus 507.	Seminar: Music History. (MTuWTh)	Mitchell
Soc 421.	Social Change. (MTuWTh)	Bisno
Sp 507.	Seminar: Interpretation. (MTuWTh)	

2:00 to 3:20 p.m.

Hst 407, 507.	Seminar: Ideas and Movements in Nineteenth-Century Europe. (MW)	Sorenson
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2:00 to 4:00 p.m.

Hst 532.	European History: Problems and Interpretations. (W)	Adams
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3:00 p.m.

Ed 407.	Seminar: Classroom Behavior Problems. (MTuWTh)	Low
Ed 441.	History of American Education. (MTuWTh)	Castell
Ed 463.	The Maladjusted Child. (MTuWTh)	Low
PE 222.	Rhythms for the Elementary School. (MTuWTh)	Munson
PE 180, 190, PE 380, 390.	Tennis. (MTuWTh)	Schendel
Mus 233.	Keyboard Harmony. (MW)	Possman

3:00 to 5:00 p.m.

Ed 435.	Audio-Visual Aids. (MTuWTh)	Mead
Ed 409.	Practicum: Secondary School Counseling. (M)	Thomas
PE 180, 190, PE 380, 390.	Golf. (MW)	Borchardt
PE 180, 190, PE 380, 390.	Golf. (TuTh)	Borchardt
PE 180, 190, PE 380, 390.	Golf. (MW)	Ballou
PE 180, 190, PE 380, 390.	Golf. (TuTh)	Ballou
PE 180, 190, PE 380, 390.	Tennis. (MW)	Munroe
PE 180, 190, PE 380, 390.	Tennis. (TuTh)	Munroe
Lib 481.	Bibliography and Reference. (TuTh)	
Lib 485.	Advanced Bibliography and Reference. (MW)	

4:00 p.m.

<i>Number</i>	<i>Course Title</i>	<i>Instructor</i>
PE 180, 190, PE 380, 390.	Tennis. (MTuWTh)	Schendel

7:00 to 9:00 p.m.

PE 572.	Gross Anatomy. (TuTh)	Sigerseith
Rec-553.	Administration of Recreation. (MW)	Rodney

One-Week Courses

Ed 508.	Workshop: Secondary School Administration. (July 20-24) 9:00 a.m. to 12:00 noon, 1:00-4:00 p.m. daily
Ed 508.	Workshop: Problems of School Administration. (June 15-20) 8:00 a.m. to 4:30 p.m. MTuWTh	R. Carlson, Schminke
Ed 508.	Workshop: The Educator and His Profession. (August 16-21) 9:00 a.m. to 10:00 p.m. daily	Goldhammer, staff
PE 406.	Coaching Clinic. (June 15-19)
PE 406.	Workshop: Gymnastics for Men and Women. (June 15-19) 8:00 a.m. to 12:00 noon, 1:30 to 5:00 p.m. daily	W. Smith
HE 408, 508.	Workshop: Mental Health. (June 15-19) 8:30 a.m. to 12:00 noon, 1:30 to 5:00 p.m. daily	W. Smith
Mus 508.	Workshop: Choral Techniques. (June 14-19) 9:00 a.m. to 12:00 noon, 1:30 to 4:30 p.m. daily; 7:30 to 9:30 p.m. MTuWTh	Fred Waring, staff

Two-Week Courses

BED 508.	Workshop: Current Trends in Business Education. (June 22-July 3) 1:00 to 4:00 daily	Reicherter
BED 508.	Workshop: Current Trends in Business Machines. (July 6-17) 1:00 to 4:00 daily	Marnix
BED 508.	Workshop: Current Trends in Shorthand. (July 20-31) 1:00 to 4:00 daily	Johnson
Ed 407.	Logic and Learning. (June 22-July 3) 8 to 9:30, 9:45-11:00 daily	Castell
Ed 508.	Workshop: Programmed Learning. (June 29-July 10), 9:00 a.m. to 12:00 noon, 1:00 to 4:00 p.m. daily
Ed 508.	Workshop: New Instructional Media and the Elementary School Principal. (July 6-17) 9:00 a.m. to 4:00 p.m. daily	Sandin
Ed 508.	Workshop: The Student Council. (August 16-28) 9:00 a.m. to 12:00 noon, 1:00 to 4:00 p.m. daily	Hearn, D. Wood
Eng 407.	Seminar: Literature of the English Bible. (July 6-17) 9 to 10:30, 10:45 a.m. to 12:00 noon daily	Maveety
Eng 407.	Seminar: The Ballad in Traditional Literature. (August 3-14) 9 to 10:30, 10:45 a.m. to 12:00 noon daily	Toelken
AL 407.	Seminar: Classic Myths. (July 20-31) 9 to 10:30, 10:45 a.m. to 12:00 noon daily	Combellaack
Mus 508.	Workshop: Recorder Playing and Baroque Performance. (June 22-July 3)	Krainis
Mus 508.	Workshop: Classical Guitar and Baroque Performance Practices. (July 6-17)	Bream
Sp 508.	Workshop: Educational Television. (June 15-26) 8:00 a.m. to 5:00 p.m. daily	Kretsinger

Three-Week Courses

Bi 103.	General Biology (Third Term). (August 17-September 4) 8:00 to 10 a.m. daily
GL 52.	First-Year German (Third Term). (August 17-September 4) 8:00 to 10:00 a.m. daily	McWilliams
GL 103.	Second-Year German (Third Term). (August 17-September 4) 10:00 a.m. to 12:00 noon daily	McWilliams
RL 52.	First Year French (Third Term). (August 17-September 4) 8:00 to 10:00 a.m. daily	Marshall
RL 103.	Second-Year French (Third Term). (August 17-September 4) 8:00 to 10:00 a.m. daily	Garramon
RL 72.	First-Year Italian (Third Term). (August 17-September 4) 10:00 a.m. to 12:00 noon daily	Hatzantonis
SL 52.	First-Year Russian (Third Term). (August 17-September 4) 8:00 to 10:00 a.m. daily	Steussey
RL 62.	First-Year Spanish (Third Term). (August 17-September 4) 8:00 to 10:00 a.m. daily	Rosen
RL 109.	Second-Year Spanish (Third Term). (August 17-September 4) 10:00 a.m. to 12:00 noon daily	Steussey
Geog 107.	Introduction of Geography (Cultural). (August 17-September 4) 10:00 a.m. to 12:00 noon daily	Price
Geog 203.	Geography of Asia. (August 17-September 4) 10:00 a.m. to 12:00 noon daily	Isaac
PE 408.	Workshop: Secondary School and College Physical Education. (June 22-July 10)
Hst 103.	History of Western Civilization. (August 17-September 4) 8:00 to 10:00 a.m. daily	Bauman
Hst 203.	History of the United States. (August 17-September 4) 10:00 a.m. to 12:00 noon daily	Hendrickson
Hst 303.	Europe since 1789. (August 17-September 4) 8:00 to 10:00 a.m. daily	Pierson
Hst 352.	Hispanic America. (August 17-September 4) 1:00 to 3:00 p.m. (MTuWTh)	MacMichael

Number	Course Title	Instructor
Hst 393.	Far East in Modern Times. (August 17-September 4) 10:00 a.m. to 12:00 noon daily.....	Falconeri
J 407.	Seminar: High School Journalism. (June 22-July 11) 8:00 to 12:00 noon daily, 1:00 to 4:00 p.m. daily.....	Rodgers
Soc 206.	General Sociology. (August 17-September 4) 10:00 a.m. to 12:00 noon daily.....	Rodgers

Courses First Four Weeks (June 22-July 17)

8:00 to 9:30 a.m.

Bi 101.	General Biology. (daily and lab 9:30-12:30 MWTh).....	
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8:00 to 10:00 a.m.

Ed 507.	Seminar: Individualizing Instruction in the Elementary School (MTuWTh).....	Candland
Ed 508.	Teaching Geography in the Junior High School (daily).....	Jolly
Ed 522.	Secondary-School Curriculum. (MTuWTh).....	Empey
GL 50.	First-Year German. (daily).....	Gontrum
RL 50.	First-Year French. (daily).....	Manning
RL 101.	Second-Year French. (daily).....	Garramon
RL 60.	First-Year Spanish. (daily).....	Rosen
Geog 201.	Geography of Europe. (MTuWTh).....	Sheck
Hst 101.	History of Western Civilization. (MTuWTh).....	Bauman
Hst 301.	Europe since 1789. (MTuWTh).....	Pierson
Psy 201.	General Psychology. (MTuWTh).....	Resch
Psy, Soc 334.	Social Psychology. (MTuWTh).....	Berberman
Psy 460.	Developmental Psychology I: Infancy and Childhood. (MTuWTh).....	

8:00 to 11:00 a.m., 12:00 noon to 3:00 p.m.

FBE, Ec 508.	Workshop: Economic Education. (daily).....	Richins
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9:00 a.m. to 3:30 p.m.

Ed 407.	Seminar: Principles of Employment Counseling. (daily).....	
Ed 407.	Seminar: Behavioral Studies Relating to Employment Counseling. (daily).....	
Ed 409.	Practicum: Employment Service Counseling. (daily).....	

10:00 a.m. to 12:00 noon

AA 401.	Special Studies: Beginning Lettering. (daily).....	Starck
Ed 559.	Evaluation of Secondary-School Programs. (MTuWTh).....	Hearn
GL 101.	Second-Year German. (daily).....	Leppmann
RL 70.	First-Year Italian. (daily).....	Hatzantonis
RL 107.	Second-Year Spanish. (daily).....	Palley
SL 50.	First-Year Russian. (daily).....	Steussy
Geog 105.	Introductory Geography (Physical). (MTuWTh).....	Coggins
Hst 201.	History of the United States. (MTuWTh).....	Hendrickson
Hst 391.	Far East in Modern Times. (MTuWTh).....	Falconeri
Soc 204.	General Sociology. (MTuWTh).....	Rodgers

11:00 a.m.

ArE 507.	Seminar: Freedom—The Artist and the Teacher. (MTuWTh).....	Masley
GL 320.	Scientific German. (MTuWTh).....	Gontrum
MuE.	Music in the Junior High School. (MTuWTh).....	Ellefson

11:00 a.m. to 1:00 p.m.

Psy 208.	General Psychology Laboratory. (MW).....	Resch
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1:00 p.m.

ArE 501.	Special Studies: Art in Junior and Senior High School. (daily).....	Masley
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1:00 to 3:00 p.m.

Ed 484.	The Junior High School. (MTuWTh).....	Hyatt
Ed 596.	Methods in Secondary-School Social Studies. (MTuWTh).....	Jaegers
Hst 350.	Hispanic America. (MTuWTh).....	MacMichael

2:00 to 4:00 p.m.

Ed 566.	Curriculum Construction. (MTuWTh).....	H. Wood
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Courses Second Four Weeks (July 20-August 14)

8:00 to 10:00 a.m.

ArE 532.	Supervision of Children's Art Laboratory. (daily).....	
Ed 427.	School Activities. (MTuWTh).....	Wood
GL 51.	First-Year German. (daily).....	Gontrum

Number	Course Title	Instructor
RL 51.	First-Year French. (daily)	Manning
RL 102.	Second-Year French. (daily)	Garramon
RL 61.	First-Year Spanish. (daily)	Rosen
Geog 202.	Geography of Latin America. (MTuWTh)	Sheck
Hst 102.	History of Western Civilization. (MTuWTh)	Bauman
Hst 302.	Europe since 1789. (MTuWTh)	
Psy 202.	General Psychology. (MTuWTh)	Resch
Psy, Soc 335.	Social Psychology. (MTuWTh)	Berreman
Psy 461.	Developmental Psychology II. (MTuWTh)	

8:00 to 9:30 a.m.

Bi 101.	General Biology. (daily, lab 9:30-12:30 MTuWTh)	
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10:00 a.m. to 12:00 noon

Ed 560.	Secondary School Problems. (MTuWTh)	Hearn
GL 102.	Second-Year German. (daily)	Leppmann
RL 71.	First-Year Italian. (daily)	Hatzantonis
RL 108.	Second-Year Spanish. (daily)	Palley
SL 51.	First-Year Russian. (daily)	Steussy
Geog 106.	Introductory Geography (Regional). (MTuWTh)	Coggins
Geog 451.	Geography of Eastern Asia. (MTuWTh)	Isaac
Hst 202.	History of the United States. (MTuWTh)	Hendrickson
Hst 392.	Far East in Modern Times. (MTuWTh)	Falconeri
Psy 436.	Character and Personality. (MTuWTh)	Leeper
Soc 205.	General Sociology. (MTuWTh)	

11:00 a.m.

GL 321.	Scientific German. (MTuWTh)	Gontrum
MuE 536.	Administration of School Music. (MTuWTh)	Ellefson

11:00 a.m. to 1:00 p.m.

Psy 209.	General Psychology. (MW)	Resch
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1:00 to 3:00 p.m.

Ed 527.	Secondary-School Administration. (MTuWTh)	Empey
Hst 351.	Hispanic America. (MTuWTh)	MacMichael

Ten-Week Course

Mth 444.	Computing. (June 22-August 28) 11 MWF	
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Eleven-Week Courses

(June 22-September 4)

8:00 a.m.

Ac 211, 212.	Fundamentals of Accounting. (MWF)	Thomas
FBE 418.	Advanced Business Law. (daily)	Ross
Eng 101.	Survey of English Literature (First Term). (MWF)	Toelken
Eng 112.	English Composition (Second Term). (MWF)	Mortensen
Eng 396.	Twentieth-Century Literature (Third Term). (MWF)	Nolte
Mth 10.	Elements of Algebra. (MTuWF)	
Mth 100.	Intermediate Algebra. (MTuWF)	
Mth 105.	Introductory College Mathematics. (MTuWF)	
Mth 418.	Differential Equations. (MWF)	Gillette
Mus 130.	Music Theory I. (daily)	Maves
PS 201.	American Government. (MWF)	

8:00 to 10:00 a.m.

Soc 437.	Sociology of Race Relations. (daily)	Berreman
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9:00 a.m.

FBE 320.	Financial Institutions. (MWF)	
PIM 530.	Production Programming. (TuTh)	Vance
PIM 533.	Theory of the Industrial Work Group. (MWF)	Korman
Ec 201.	Principles of Economics. (MWF)	Smith
Eng 104.	Introduction to Literature (First Term). (MWF)	Mortensen
Eng 108.	World Literature (Second Term). (MWF)	Strange
Eng 392.	American Novel (Second Term). (MWF)	Nolte
HE 252.	First Aid. (MWF)	W. Smith
Mth 407.	Seminar: Number Theory. (MTuWF)	Maier
Sp 321.	Argumentation. (MWF)	Nobles

10:00 a.m.

Number	Course Title	Instructor
BS 232.	Introduction to Business Statistics. (MWF)	Luneski
FBE 460.	Commercial Bank Management. (daily)	
Ec 203.	Principles of Economics. (MWF)	Smith
Eng 111.	English Composition (First Term). (MWF)	Van Aelstyn
Eng 113.	English Composition (Third Term). (MWF)	Reither
Mth 104.	Introductory College Mathematics. (MTuWF)	
Mth 204.	Analytic Geometry and Calculus. (daily)	
Mth 206.	Introductory College Mathematics. (daily)	
Mus 230.	Music Theory II. (MTuWF)	Rost
Sp 111.	Fundamentals of Speech. (MWF)	Nobles

10:00 to 11:30 a.m.

MIT 323.	Elements of Marketing. (TuTh)	Rich
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10:00 a.m. to 12:00 noon

PE 180, 190, PE 380, 390.	Golf. (TuTh)	Ballou
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11:00 a.m.

Ac 540.	Administrative Controls. (MWF)	Thomas
FBE 216.	Business Law. (MWF)	Ross
Ec 446.	Labor Legislation. (MWF)	Smith
Eng 106.	Introduction to Literature (Third Term). (MWF)	Strange
Eng 111.	English Composition (First Term). (MWF)	Reither
Eng 202.	Shakespeare (Second Term). (MWF)	Svensen
Eng 483.	Major American Writers. (MWF)	Nolte
PE 180, 190, PE 380, 390.	Badminton. (MWF)	Ballou
HE 250.	Personal Health. (MWF)	W. Smith
Mus 204.	Music History. (MWF)	Hladky

11:00 a.m. to 12:30 p.m.

MIT 507.	Seminar: Marketing Administration. (TuTh)	Thompson
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12:00 noon

PE 180, 190, PE 380, 390.	Swimming. (MWF)	Ballou
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12:30 to 2:00 p.m.

PIM 329.	Production Management. (TuTh)	Vance
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1:00 p.m.

Ac 360.	Principles of Accounting. (MWF)	Luneski
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1:00 to 2:30, 2:30 to 5:00 p.m.

Bi 414.	Cell Physiology. (TuTh)	
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2:00 p.m.

FBE 511.	Methods of Business Research. (MWF)	Ballaine
PIM 321.	Organization and Interpersonal Relations. (MWF)	Korman
PE 180, 190, PE 380, 390.	Tennis. (MWF)	Ballou
Sp 512.	American Public Address. (MWF)	Nobles

2:00 to 3:20 p.m.

MIT 520.	Marketing Problems and Policies. (TuTh)	Rich
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2:00 to 4:00 p.m.

MIT 443.	Marketing Analysis I. (TuTh)	Thompson
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3:00 p.m.

BS 233.	Elementary Inference in Business Statistics. (MWF)	Luneski
Mus 233.	Keyboard Harmony. (MW)	Possman

3:00 to 4:30 p.m.

PIM 412.	Personnel Management. (MW)	Korman
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3:00 to 5:00 p.m.

PE 180, 190, PE 380, 390.	Golf. (MW)	Ballou
PE 180, 190, PE 380, 390.	Golf. (TuTh)	Ballou

are separate courses, each carrying 4 credit hours, and each of four weeks duration; offered in sequence.

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

Experiments by individual students and teams, on fertilization, cleavage, and larval stages of marine invertebrates. Prerequisite: two years of zoology or consent of instructor.

Bi 416. Comparative Physiology. (G) 4 hours.

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.

Business Administration

Visiting Faculty: JOHNSON, REICHERTER.

Professors: BALLAINE, REED, VANCE.

Associate Professor: RICH.

Assistant Professors: KORMAN, ROSS, THOMAS, THOMPSON.

Instructor: MARNIX.

Lecturer: LUNESKI.

Finance and Business Environment

FBE 508 or Ec 508. Workshop: Economic Education. 6 hours.

First four weeks, June 22-July 17. Opportunity for experienced secondary-school teachers to combine study of economic problems with the development of teaching materials for economic education in the high school and junior high school. Designed for teachers in social studies and business education interested in improving economic education in high schools and junior high schools. 8-11, 12-3 daily. Richins.

Business Education

BEd 508. Workshop: Current Trends in Business Education. 3 hours.

June 22 to July 3. How automation is affecting business; observation of data processing in action, through campus facilities and installations in the business community. Integration of economics in business education courses; resources available in reading materials and in the community. Exploration of ways in which business education can meet the challenge of the superior student. 1-4 daily. Reicherter.

BEd 508. Workshop: Current Trends in Business Machines. 3 hours.

July 6 to July 17. New and improved equipment used in business firms; photocopying equipment, the Xerox process, use of microfilming for record storage, key punch equipment, voice writing equipment, adding and calculating machines, including the printing calculator, use of multiple listening stations in the training of personnel. 1-4 daily. Marnix.

BEd 508. Workshop: Current Trends in Shorthand. 3 hours.

July 20 to July 31. Consideration of the newly revised Gregg shorthand system. Study of psychological principles and recent research bearing on the question whether the learning time for shorthand can be reduced; analysis of instructional materials, with special attention to audio-visual aids and programmed learning. 1-4. daily. Johnson.

Chemistry

Visiting Faculty: FRYE.

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

Lectures on the fundamentals of quantitative analysis; laboratory work devoted mainly to volumetric analysis. Intended to satisfy the needs of secondary teachers and others not intending to major in chemistry; secondary teachers may enroll in Ch 429. 10 MTuWTh; lab, 2-5 MTuTh. Frye.

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

Ch 405, 505. **Reading and Conference.** Hours to be arranged.

Ch 409. **Special Laboratory Problems.** (G) Hours to be arranged.

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

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

Lectures on the fundamentals of quantitative analysis; laboratory work devoted mainly to volumetric analysis. Intended to satisfy the needs of secondary teachers and others not intending to major in chemistry. 10 MTWTh; lab, 2-5 MTuTh. Frye.

Ch 439. **Survey of Organic Chemistry.** (g) 5 hours.

Lectures on the 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. 11 MTuWTh; lab, 9-12 F. Frye.

Economics

Professor: WATTLES.

Associate Professors: CAMPBELL, KOPLIN, SIEGEL, SMITH.

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

Money, monetary policy, and economic growth. Economics of the firm. 9 TuWTh. Koplin.

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

A study of the monetary and bank system as a segment of the American economy. 8 MTuWTh. Siegel.

Ec 417. **Contemporary Economic Problems.** (g) 3 hours.

Selected current economic problems in the United States: analysis and evaluation of proposed solutions. 10 MTuWTh. Wattles.

Ec 450. **Comparative Economic Systems.** (g) 2 hours.

First four weeks, June 22-July 17. An analytical comparison of capitalism and other economic systems. 11 daily. Koplin.

Ec 451. **Comparative Economic Systems.** (g) 2 hours.

Second four weeks, July 20-August 14. An analytical comparison of capitalism.

Ec 488. **American Economic History.** (G) 3 hours.

The economic development of the United States from 1820 to 1890. 8 MTuWTh. Peterson.

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

Siegel.

* A student may complete the year sequence in Principles of Economics during the summer by also enrolling in Ec 201 and Ec 203 in the eleven-week session.

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

Ec 505. **Reading and Conference.** Hours to be arranged.
Siegel, Wattles, Campbell.

Ec 507. **Seminar: Scope and Methods of the Social Sciences.** 6 hours.

The background and perspectives of each of the social science disciplines—anthropology, economics, political science, psychology, and sociology. Selected aspects of social organization and process considered in detail. May not be taken for credit by advanced degree candidates in economics. 8-10 MTuWTh. Campbell.

Ec 508. **Workshop: Economic Education.** 6 hours.

First four weeks, June 22-July 17. Opportunity for experienced secondary teachers to combine study of economic problems with the development of teaching materials for economic education in the high school and junior high school. Designed for teachers in social studies and business education interested in improving economic education in high schools and junior high schools, and their supervisors and administrators. 8-11, 12-3 daily. Richins.

Education

Visiting Faculty: AULD, CUNNINGHAM, EDLING, JAEGER, MEAD, O'NEILL, ROSE, SCHAAF, D. WOOD, ZIMMERMAN.

Professors: CASTELL, CLARKE, GOLDHAMMER, GRAHAM, HEARN, HINES, JACOBSON, KAMBLY, LOWE, SANDIN, TOPE, H. WOOD.

Associate Professors: CAMPBELL, CANDLAND, R. CARLSON, DEJUNG, FARNER, FOSMIRE, HILL, G. B. JOHNSON, LOUGHARY, MITTMAN, A. SMITH, WILLARD.

Assistant Professors: ACKER, BERRYHILL, H. CARLSON, CHRISTENSEN, LOVELL, MATTSON, NYE, SCHMINKE, THOMAS, UTSEY, WRENCH.

Instructors: BELL, BOOTH, D. BROWN, EMPEY, FRAZIER, GOLDSTEIN, HYATT, WAUGH, WHYTE.

General Education

Ed 310. **The School in American Life.** 3 hours.

The school as a social institution; the impact of dominant characteristics of American society on the school; historical developments of elementary and secondary education; patterns of curriculum development; school organization; school law; current issues in education. 2 MTuWTh. Tope.

Ed 315. **Human Development and Learning.** 5 hours.

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. 8-10 MTuWTh. Bell.

Ed 317. **Social Foundations of Teaching.** 3 hours.

The nature and influence of such social determinants of child behavior as family, class structure, peer groups, mass media of communication, etc.; the social status of childhood, emerging rights, agencies concerned with children. 11 MTuWTh. Graham.

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

Ed 407. **Seminar: Logic and Learning.** (G) 3 hours.

June 22-July 3. The part played by reasoning and presupposing in learning. Castell.

Ed 435. Audio-Visual Aids. (G) 3 hours.

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. Two sections: 3 MTuWTh; 4 MTuWTh. Mead.

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

The intellectual development of the United States, with special reference to the development of the school system. Prerequisite: knowledge of American history. 3 M.TuWTh. Castell.

Ed 446. Modern Philosophies of Education. (G) 3 hours.

An examination of educational philosophies proposed by recent leaders and critics of American educational theory and practice. 11 MTuWTh. Castell.

Ed 476. School Law and Organization. (G) 2 hours.

Oregon laws applying to schools and teachers; teacher personnel policies and practices; professional organization; means for continued professional growth. 1 MTuW. Frazier.

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

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. 2 MTuWTh. Graham.

Ed 501. Research. Hours to be arranged.

Instruction may be arranged for the eight-week session, for the first four weeks, or for the second four weeks.

Ed 501. Research: Field Studies. Hours to be arranged.**Ed 503. Thesis.** Hours to be arranged.

Instruction may be arranged for the eight-week session, for the first four weeks, or for the second four weeks.

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

Instruction may be arranged for the eight-week session, for the first four weeks, or for the second four weeks.

Ed 508. Workshop: Programmed Learning. 6 hours.

First two weeks, June 29-July 10. Principles and techniques employed in the development of programmed instructional materials; analysis of characteristics of programs and devices and of psychological principles upon which curriculum materials and devices are based. 9-12, 1-4 daily. Edling.

Ed 508. Workshop: Supervision of Interns and Beginning Teachers. 6 hours.

July 20-August 14. Designed for public school teachers interested in teacher education programs and the role of the classroom teacher in supervision. Burton, staff.

Ed 566. Curriculum Construction. 3 hours.

First four weeks, June 22-July 17. Survey and appraisal of curricular patterns; state and city programs; courses of study in major subject areas; techniques of course-of-study planning. 2-4 MTuWTh. H. Wood.

Elementary Education

Ed 352. Teaching Language Arts in Elementary School. 3 hours.

Language development from kindergarten through the elementary school; language as a means of communication and as a tool for thinking; creative approaches to the teaching of spelling, handwriting, listening, and oral and written communication. Prerequisite: Ed 315. 11 MTuWTh. Nye.

Ed 353. The Child and His Curriculum: Arithmetic. 3 hours.

Arithmetic in the elementary-school program. Types of instruction, criteria for selection, placement, and organization of content. Prerequisite: Ed 315. 8 MTuWTh. Schminke.

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

Reading, reading readiness, the psychology of the reading process; reading skills in relation to other parts of the curriculum; diagnostic and remedial measures. 9 MTuWTh. Utsey.

Ed 407. Seminar: Teaching Social Studies for the Elementary School. (G) 4 hours.

Social studies in the elementary-school curriculum; ways of developing basic concepts in human relationships and community living; emphasis on effective reading in social studies, provision for individual differences, cultivation of critical thinking, and methods of evaluating results of instruction. Prerequisite: Ed 315. 10 daily. Nye.

Lib 490. Children's Literature. (G) 3 hours.

A survey of children's literature, with emphasis on selection and evaluation of books suitable for public and school libraries. Reading guidance for both personal and curricular needs. Valuable to librarians and elementary-school teachers. 9 MTuWTh. Lane.

Lib 491. Storytelling. (G) 3 hours.

Fundamental principles of the art of storytelling, including the planning of a story, locating suitable materials for use, and the techniques for learning and presenting the story; study and selection of literature appropriate for oral presentation to children of all ages. Valuable to librarians and elementary school teachers. 8 MTuWTh. Lane.

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

First four weeks, June 22-July 17. Diagnosing individual needs in the skill subjects, organizing the class, planning programs and selecting materials to meet these needs. 8-10 MTuWTh. Candland.

Ed 507. Seminar: Nurturing Creative Thinking in Children. 3 hours.

Intensive investigation of the nature of the creative process, including methods which have been devised to promote productive thinking, tests which have been designed to measure creative thinking, and philosophical and psychological implications of research findings in the field. Seminar participants will be encouraged to evaluate existing instruments for predicting and assessing creative thinking abilities and to devise their own techniques and materials for creating an atmosphere conducive to original and effective thinking. 11 MTuWTh. Myers.

Ed 508. Workshop: New Instructional Media and the Elementary-School Principal. 3 hours.

Two weeks, July 6-17. A limited-enrollment two-week summer work conference for principals, sponsored by the N.E.A. Departments of Elementary School Principals and Audio-Visual Instruction, the Oregon Elementary School Principals Association, and the School of Education. The conference will include presentations by nationally known media specialists; discussions relating new media of instruction to automated teaching and the N.E.A. Project of Instruction; reviews of research dealing with the effectiveness of various media in teaching; description of organizational patterns facilitating the use of new media, and attention to the role of the principal and instructional media in his school. The conference will also include demonstrations; a laboratory will be available for work with new media. Inquiries, including requests for registration forms, should be addressed to the conference director, Adolph A. Sandin, School of Education, University of Oregon. Limited enrollment (200) with conference registration, terminating June 7. 9-4 daily. Sandin.

Ed 508. Workshop: Developing Content and Instructional Media for Latin American Resource Units in the Social Studies. 6 hours.

June 15-July 31. Of five weeks in Mexico, two weeks will be devoted to a full-time seminar to provide background knowledge and understandings through texts, special readings, reports, discussions, and lectures in English by the workshop director and Mexican specialists. A three-week directed work period will follow for development of individual projects such as resource units and other instructional aids. Observation opportunities and study tours will follow the seminar. Participants will live with Mexican families. Limited to 22 persons. All-expense arrangements, from Eugene, \$495. 8-2 daily. H. Carlson.

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

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; room and equipment. 9 MTuWTh.

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

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. 8 MTuWTh. Willard.

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

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. 10 MTuWTh. Willard.

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

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 teaching children to read. 11 MTuWTh. Utsey.

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

Number abilities needed by children; research findings in mathematics education; designing number experiences; theories of teaching, desirable teaching procedures, selection and use of materials. 1 MTuWTh. Schminke.

Ed 553. Elementary-School Curriculum. 3 hours.

A systematic study of the 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 newer curriculum practices. 1 MTuWTh. Candland.

Ed 554. Elementary-School Supervision and Administration. 3 hours.

For mature students of elementary education who are preparing for administrative or supervisory positions. Characteristics of good elementary schools, leadership responsibilities and processes, school organization patterns, pupil personnel policies, school-community relationships. 9 MTuWTh. Sandin.

Secondary Education

Ed 314. Principles of Secondary Teaching. 3 hours.

Study of the actual classroom teaching process, including classroom organization and management, planning teaching units, evaluating pupil learning, and similar problems. Prerequisite: Ed 310, Ed 312. 12 MTuWTh.

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

Second four weeks, July 20-August 14. Principles and purposes of school activities; pupil participation in school governments; assemblies, clubs, social

activities, athletics, speech activities, drama, music, publications; evaluation of the school activity program. 8-10 MTuWTh. Hyatt.

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

First four weeks, June 22-July 17. 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. 1-3 MTuWTh. Hyatt.

Ed 508. **Workshop: Teaching Geography in the Junior High School.** 3 hours.

First four weeks, June 22-July 17. For present and prospective teachers of geography and social studies in the junior high schools of Oregon. Types and kinds of geographical knowledge that should be taught at the junior high-school level and methods by which this material can be presented most effectively. Students will work collectively on preparation of materials to be used in their own teaching situations. 8-10 daily. Jolly.

Ed 508. **Workshop: Secondary-School Administration.** 1-2 hours.

July 20-July 24. Problems of the secondary-school administrator, with particular reference to staff utilization; recent studies in the field of team teaching, class size, and flexible scheduling. Second week devoted to individual work. \$5.00 materials fee. 9-12, 1-4 daily.

Ed 522. **Secondary-School Curriculum.** 3 hours.

First four weeks, June 22-July 17. Overview of the secondary-school curriculum, with emphasis on the various subject fields; organization of the school for curriculum development; educational objectives; the course of study; evaluation of the secondary-school curriculum. 8-10 MTuWTh. Empey.

Ed 527. **Secondary-School Administration and Supervision.** 3 hours.

Second four weeks, July 20-August 14. The secondary-school principalship; principles of administration, staff relationship, public relations, and professional growth; business administration, administration of guidance services, curriculum and school activities; evaluation of the secondary school. 1-3. MTuWTh. Empey.

Ed 559. **Evaluation of Secondary-School Programs.** 3 hours.

First four weeks, June 22-July 17. Appraisal of secondary schools on the basis of evaluative criteria, with special attention to the work of the National Study of Secondary School Evaluation. 10-12 MTuWTh. Hearn.

Ed 560. **Secondary-School Problems.** 3 hours.

Second four weeks, July 20-August 14. Current problems in the field of secondary education. 10-12 MTuWTh. Hearn.

Ed 593. **Methods in Secondary-School English.** 3 hours.

Limited to students with a teaching field in English. The class will be conducted primarily as a seminar. Students will select problems from the many basic issues confronting English teachers (linguistics and its place in the classroom, the teaching of literature and composition, the problem of usage, etc.) and seek answers in the most recent research. 1 MTuWTh. Zimmerman.

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

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. Prerequisites: teaching experience or consent of instructor. 1 MTuWTh. Schaaf.

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

First four weeks, June 22-July 17. Trends in the social-studies curriculum; the unit method of teaching; the 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. 1-3 MTuWTh. Jaegers.

Remedial Education

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 who are able to work more independently are enrolled in Ed 509.

In order to be assured of a place in the remedial practica (Ed 409, Ed 509), students must make arrangements with W. R. Hill, director, Remedial Education Clinic, School of Education, University of Oregon, before June 1.

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

Supervised clinical experience in the diagnosis of learning difficulties of school pupils. Concurrent enrollment in Ed 465 required. Prerequisite: consent of instructor. Hours to be arranged. O'Neill.

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

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 meetings. Hours to be arranged. Brown.

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

Nature of the reading process; factors of learning and development related to reading achievement; psychological foundations of methods and materials of reading instruction. 8 MTuWTh. Hill.

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

Introduction to extreme school learning problems; factors associated with underachievement; general principles of diagnosis and remediation; diagnostic instruments and remedial sources. Applicable to programs at the elementary and secondary level. 9 MTuWTh.

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

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 (Diagnosis) (Ed 409) required. Prerequisite: consent of instructor. 11 MTuWTh. O'Neill.

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

Organization and implementation of the remedial program; specific procedures in the 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) required. Prerequisite: consent of instructor. 11 MTuWTh. Brown.

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

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. 1 MTuWTh.

Ed 509. Practicum: Remedial Education. 3 hours.

Intensive clinical work involving the complete range of problems in remedial education. Prerequisite: satisfactory work at the Ed 409 level and consent of instructor. Daily clinic sessions plus weekly staff meetings. Hours to be arranged. Brown.

Ed 562. Issues in Extreme Learning Difficulties. 3 hours.

Theory and research related to learning problems in the basic skills; analysis of differential learning capacity; reading-listening relationships; sensory-motor modes of remediation; social-emotional correlates of skills disability; therapeutic elements of remediation. 1-4 M. Hill.

Education of Exceptional Children

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 who are able to work more independently are enrolled in Ed 509.

Students interested in enrolling in the program leading to certification for teaching mentally retarded children must, in order to be assured enrollment in the program, make arrangements with R. H. Mattson, School of Education, University of Oregon, before May 15.

Ed 407. Seminar: Classroom Behavior Problems. (G) 3 hours.

Intended for students who have taken *The Maladjusted Child* (Ed 463) and wish additional work. Prerequisite: Ed 463. 3 MTuWTh. Lowe.

Ed 407. Seminar: Administration of Pupil Personnel Services. (G) 3 hours.

The historical development of special programs in education. Effective leadership, school organization, personnel management, related to the provision of pupil personnel services. Designed to meet Oregon certification requirements on administration of special education program. 9 MTuWTh. Mattson.

Ed 409. Practicum: Teaching the Mentally Retarded. (G) 3 hours.

Observation and teaching of a class for the mentally retarded at the elementary and junior and senior high-school levels. Enrollees will be placed in the appropriate practicum at the time of registration. Normally taken concurrently with Curriculum for the Mentally Retarded (Ed 489), Practicum: Art Experiences for the Mentally Retarded (ArE 409), and *The Mentally Retarded Child* (Ed 464). Pre-enrollment required. 8-12 MTuWTh.

ArE 409. Practicum: Art Experiences for the Mentally Retarded. (G) 3 hours.

A course for teachers of children diagnosed as mentally retarded. Problem-solving activities using art materials; growth and development of the retarded child. Normally taken concurrently with Practicum: Teaching the Mentally Retarded (Ed 409), Curriculum for the Mentally Retarded (Ed 489), and *The Mentally Retarded Child* (Ed 464). Pre-enrollment required. 8-12 MTuWTh.

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

The psychology, education, and guidance of the mentally superior and the extraordinarily gifted child. 10 MTuWTh. Lovell.

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

Characteristics and problems of all types of exceptional children, with special emphasis on those with sensory handicaps; consideration of essential educational adaptations. 11 MTuWTh. Mattson.

Ed 463. The Maladjusted Child. (G) 3 hours.

The discovery and treatment of the emotionally and socially maladjusted child; the home, school, and community in relation to the child's mental health. Opportunities for the observation of family counseling techniques. 3 MTuWTh. Lowe.

Ed 464. The Mentally Retarded Child. (G) 3 hours.

The psychology, education, and guidance of the mentally retarded child. 1 MTuWTh.

Ed 489. Curriculum for the Mentally Retarded. (G) 3 hours.

Curriculum, methods, and materials developed on the basis of the diagnosed characteristics of mentally retarded children. Normally taken concurrently with Practicum: Teaching the Mentally Retarded (Ed 409), Practicum: Art Experiences for the Mentally Retarded (ArE 409), and *The Mentally Retarded Child* (Ed 464). Pre-enrollment required. 8-12. MTuWTh.

Ed 507. Seminar: Research in Exceptional Children. Hours to be arranged.

Intended for advanced graduate students in the behavioral sciences. A critical examination of problems and practices related to working with exceptional children. Hours to be arranged. deJung.

Educational Psychology

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 who are able to work more independently are enrolled in Ed 509.

Ed 409. Practicum: School Psychology. (G) Hours to be arranged.

Open only to students planning to be specialists in the field. Includes extensive experience in assessing children, consultation in designing programs of instruction for individual children, case staffing, and case writing. Hours to be arranged. Lovell.

Ed 409. Practicum: Clinical Procedures in Education. (G) 3 hours.

Assessment of children with learning difficulties; preparation of statements of preferred behavior for any given child; collection and analysis of information; communication of information to teachers and parents; evaluation of clinic process. Enrollment limited. Prerequisite: consent of instructor. 2-4 F and additional hours to be arranged. Waugh, Berryhill.

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

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. Includes simple statistics of test interpretation. 1 MTuWTh. Cunningham.

Ed 512. Research Procedures in Education. 3 hours.

The nature and procedures of research in education; special techniques of thesis, field study, research paper, and dissertation. Open to graduate students majoring in other fields. Does not take the place of individual supervision of the student's thesis. An introductory course in statistics is desirable preparation. 8 MTuWTh. Mittman.

Ed 515. Educational Statistics. 3 hours.

Technique in quantitative and experimental methods. Calculus not required. 2 MTuWTh. Clarke.

Ed 525. Theory and Technique of Educational Measurement. 3 hours.

Theoretical bases and principles of educational measurement; item writing, tryout, selection and revision, reproduction and administration; nature of measurement; units and norms; reliability and validity; batteries and profiles; local and wide-scale testing programs. Designed primarily for advanced students in the behavioral sciences. Prerequisite: Ed 424, Ed 515, or equivalent. 9 MTuWTh. Mittman.

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

Intensive study of the purposes, uses, administration, scoring, and interpretation of group tests commonly used in public schools and colleges; testing of achievement, aptitudes, interests, and personality. Designed primarily for advanced students in educational psychology, human development, psychometrics, and counseling. Open only to students for whom the work is required in their programs. Enrollment limited to twenty students. Prerequisite: Ed 424. 2 MTuWTh. Christensen.

Ed 529. Advanced Educational Psychology. 2 hours.

Review of some modern viewpoints in educational psychology, with particular attention to theories of learning and their application to problems of school learning. Prerequisite: consent of instructor. 1 MW. Lovell.

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 who are able to work more independently are enrolled in Ed 509.

Ed 407. Seminar: Elementary School Guidance. (G) 3 hours.

Study of elementary-school guidance concepts and practices, with emphasis on developmental as contrasted with remedial guidance. Topics include general semantics, attitude development, early career development, parent conferences, material development. 9 MTuWTh. Loughary.

Ed 407. Seminar: Principles of Employment Counseling. (G) 3 hours.

June 23-July 17. Enrollment limited to Oregon State Employment Service counselors. A study of factors related to effective counseling, including principles of personnel work, psychology of occupations, counseling procedures, and psychological assessment. Concurrent registration in Ed 407 (Behavioral Studies) and Ed 409 (Practicum) required. 9-3:30 MTuWThF.

Ed 407. Seminar: Behavioral Studies Relating to Employment Counseling. (G) 3 hours.

June 23-July 17. Enrollment limited to Oregon State Employment Service counselors. A study of contributions by various behavioral sciences to the understanding of counseling for employment. Personality theory, individual differences, sociology of work, cultural dynamics. Concurrent registration in Ed 407 (Principles) and Ed 409 (Practicum) required. 9-3:30 MTuWThF.

Ed 409. Practicum: Employment Service Counseling. (G) 2 hours.

June 23-July 17. Enrollment limited to Oregon State Employment Service counselors. Supervised experience in counseling applicants for employment service. Observation, staffing of cases, counseling, and case writing. Concurrent registration in Ed 407 (Principles) and Ed 407 (Behavioral Studies) required. 9-3:30 MTuWThF.

Ed 409. Practicum: Secondary-School Counseling.(G) Hours to be arranged.

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. 3-5 M; additional hours to be arranged. Thomas.

Ed 485. Principles and Practices of Guidance Services. (G) 3 hours.

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. 10 MTuWTh. Lowe.

Ed 488. Educational and Vocational Guidance. (G) 3 hours.

Designed primarily for advanced students preparing for positions as counselors. Current materials and trends in educational and vocational opportunities. Prerequisite: Ed 485. 9 MTuWTh. Acker.

Ed 507. Seminar: Principles of Work Evaluation. 3 hours.

Designed to assist students in the development of an approach to the understanding of work performance and work activities which will enhance their abilities to evaluate the work capacities of disabled persons. Prerequisite: consent of instructor. 1 MTuWTh. Thomas.

Ed 507. Seminar: Educational Data Processing. 3 hours.

Examination of current and predicted use of computer and data systems in education. Scheduling, appraisal, learning diagnosis, and instruction. Prerequisite: consent of instructor. 1 MTuWTh.

Ed 509. Practicum: Supervision in Rehabilitation Field Agencies. 6-12 hours.

Extensive experiences in a rehabilitation agency. Limited to students enrolled in the rehabilitation-counselor program. Prerequisite: consent of instructor. Hours to be arranged. Booth.

Ed 509. **Practicum: Counseling.** Hours to be arranged.

Same as Ed 409 except that the student is expected to work with less immediate supervision. Prerequisite: consent of instructor. Hours to be arranged. Acker.

Ed 526. **Counseling Theories.** 3 hours.

Theoretical assumptions underlying the counseling process; dynamics of adjustment and personality change; methods of promoting emotional, educational, and occupational adjustment. Prerequisite: Ed 485 or equivalent. 10 MTuWTh. Loughary.

Educational Administration

Ed 507. **Seminar: Nature and Problems of Administrative Behavior.** 3-6 hours.

For advanced graduate students; draws from the literature in the 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. 10-12 MTuWTh. Jacobson.

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

The background and perspectives of each of the social-science disciplines—anthropology, economics, political science, psychology, and sociology; selected aspects of social organization and process considered in detail. 8-10 MTuWTh. Tope.

Ed 507. **Seminar: School Personnel Policies and Procedures.** 3 hours.

Theory and practice of school personnel administration; development of principles and procedures in recruitment, selection, terms of employment, assignments, orientation, in-service education, appraisal, promotion, salary, programs, tenure, leaves, separation, public relations, and professional ethics. 9 MTuWTh. Dils.

Ed 507. **Seminar: School Survey.** 3 hours.

Field experience in the application of survey and administrative research procedures in actual school situations. Goldhammer.

Ed 508. **Workshop: Problems of School Administration.** 2 hours.

June 15-20. A workshop for administrators. Simulated materials depicting an actual school situation used as the basis for group discussions and evaluations of developmental procedures, the techniques of decision making, administrative problems and relationships, and the role of the individual school as a part of a school system in a specific community. Enrollment limited to 25 participants. Prerequisite: basic courses in administration for the administrators credential, or consent of instructor. 8-4 daily. R. Carlson, Schminke.

Ed 508. **Workshop: Comparative Communist Systems and Ideology.** 6 hours.

June 22-July 17. Especially designed to assist teachers of social studies at the secondary level. Open only to persons sponsored by their local school districts and accepted by the Oregon State Department of Education. Elementary teachers will be accepted if secondary-teacher registration does not reach 100 by the registration deadline of May 15, 1964. Director: Joseph R. Fiszman.

Ed 572. **Public School Administration.** 3 hours.

Interpersonal relations in administration; school-board powers, duties, roles, relationships; the administrative roles, responsibilities, issues, problems; problems of staff personnel; student personnel problems at the local district level; problems and issues relating to the development of effective school-community relationships. 11 MTuWTh. R. Carlson.

Ed 573. **Public School Organization.** 3 hours.

The schools in relation to state and Federal agencies; the intermediate unit, its purposes, organization, trends; local school-districts problems of

organization, plant planning and management, school business administration, transportation, school finance, text books and supplies; extralegal agencies affecting education. 10 MTuWTh. Farner.

Ed 574. **School Supervision.** 3 hours.

The role of the supervisor in keeping education geared to the changing demands of society; theories of leadership; group processes and individual conference techniques; action research and related approaches to curriculum change; analysis of concrete supervisory problems. 9 MTuWTh. Hines.

Ed 575. **School Finance.** 3 hours.

Problems of school finance and business management; sources of school income; relationship to the state financial structure; budgeting and accounting. Includes the construction of a school budget. Prerequisite: work in administration and organization, or consent of instructor. 2 MTuWTh. Farner.

Ed 576. **School Buildings.** 3 hours.

Problems involved in planning, financing, and construction of school buildings; care and maintenance of building; problems of equipment. Includes analysis of the problems of a specific district. Prerequisite: work in administration and organization or consent of instructor. 8 MTuWTh. Hines.

English

Professors: HALL, KITZHABER, SVENDSEN.

Assistant Professors: ALY, CADBURY, CANDELARIA, MAVEETY, NOLTE, O'NEIL, OSWALD, STRANGE.

Instructors: MCKNIGHT, MORTENSON, REITHER, TOELKEN, VAN AELSTYN.

Wr 111. **English Composition (First Term).** 3 hours.

Fundamentals of English composition. 8 TuWThF. Oswald.

Wr 216. **Expository Writing.** 3 hours.

Practice in various forms of expository writing. Summer students may take Wr 216 in place of either Wr 112 or Wr 113 to satisfy the composition requirement. 11 TuWThF. McKnight.

Wr 324. **Short-Story Writing (First Term).** 3 hours.

For students interested in creative writing or in professional writing for magazines. Prerequisite: consent of instructor. 9 TuWThF. Hall.

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

Hall.

Eng 203. **Shakespeare (Third Term).** 3 hours.

10 TuWThF. McKnight.

Eng 305. **Satire.** 3 hours.

Satire, or criticism through ridicule, as a major type of literary expression. 9 TuWThF. Oswald.

Eng 321. **English Novel (Second Term).** 3 hours.

10 TuWThF. Cadbury.

Eng 407. **Seminar: Literature of the English Bible.** (G) 3 hours.

July 6-July 17. Study of the literary qualities of the English Bible, with some reference to its influence on English and American literature. 9-10:30, 10:45-12:00 daily. Maveety.

Eng 407. **Seminar: The Ballad in Traditional Literature.** (G) 3 hours.

August 3-August 14. A survey of orally transmitted literature, including the folk tale, the riddle, and the proverb, and with special emphasis on the British-American traditional ballad as oral poetry. 9-10:30, 10:45-12:00 daily. Toelken.

- Eng 441. **Seventeenth-Century Literature (Second Term).** (G) 3 hours.
10 TuWThF. Candelaria.
- Eng 461. **Romantic Poets (Second Term).** (G) 3 hours.
8 TuWThF. Strange.
- Eng 464. **Later Nineteenth-Century Poets (Second Term).** (G) 3 hours.
11 TuWThF. Cadbury.
- Eng 501. **Research.** Hours to be arranged.
- Eng 503. **Thesis.** Hours to be arranged.
- Eng 505. **Reading and Conference.** Hours to be arranged.
- Eng 507. **Seminar: Seventeenth-Century Literature.** Hours to be arranged.
Candelaria.
- Eng 507. **Seminar: Oral and Written Discourse.** 4 hours.
Restricted to participants in Institute of Oregon Curriculum Study Center.
9 daily. Aly; consultant: Kitzhaber.
- Eng 507. **Seminar: Oral and Written Discourse.** 4 hours.
11 daily. Aly; consultant: Kitzhaber.
- Eng 507. **Seminar: Applied Criticism.** 4 hours.
Restricted to participants in Institute of Oregon Curriculum Study Center.
11 daily.
- Eng 507. **Seminar: Applied Criticism.** 4 hours.
8 daily.
- Eng 507. **Seminar: Structure and History of English.** 4 hours.
Restricted to participants in Institute of Oregon Curriculum Study Center.
8 daily. O'Neil.
- Eng 507. **Seminar: Structure and History of English.** 4 hours.
9 daily. O'Neil.
- Eng 540. **Problems and Methods of Literary Study.** 3 hours.
Bibliography and the methods of literary research as an introduction to graduate work. Required for graduate students in English. 9 TuWThF. Svendsen.

Foreign Languages

Professors: COMBELLACK, LEPPMANN.

Associate Professors: NICHOLLS, PALEY.

Assistant Professors: FISCHLER, GONTRUM, HATZANTONIS, MARSHALL, STEUSSY.

Instructors: COOPER, GARRAMON, McWILLIAMS, ROSEN.

Classical Languages

AL 306. **Literature of the Ancient World.** 3 hours.

Leading works of Latin literature read in translation. 8 MTuWTh.
Combella.

AL 407. **Seminar: Classic Myths.** (G) 3 hours.

July 20-31. The three major myths of the classical world: Troy, Thebes, and the Golden Fleece. Lectures and readings in English. 9-10:30, 10:45-12:00 daily. Combella.

CL 408. **Latin Seminar.** (G) 3 hours.

Study of Latin poets selected with special attention to the needs and interests of teachers. Hours to be arranged. Combella.

German

- GL 50. **First-Year German (First Term).** 4 hours.
First four weeks, June 22-July 17. The fundamentals of grammar, oral drill, translation of prose selections. Equivalent of the first term of First-Year German given during the regular academic year. Recommended for students who wish to acquire a reading knowledge. 8-10 daily. Gontrum.
- GL 51. **First-Year German (Second Term).** 4 hours.
Second four weeks, July 20-August 14. Continuation of GL 50. Equivalent of the second term of First-Year German given during the regular academic year. 8-10 daily. Gontrum.
- GL 101. **Second-Year German (First Term).** 4 hours.
First four weeks, June 22-July 17. Review of grammar and composition; reading of selections from representative authors; conversation. 10-12 daily. Leppmann.
- GL 102. **Second-Year German (Second Term).** 4 hours.
Second four weeks, July 20-August 14. Continuation of GL 101. Equivalent of the second term of Second-Year German given during the regular academic year. 10-12 daily. Leppmann.
- GL 320. **Scientific German (First Term).** 3 hours.
First four weeks, June 22-July 17. Intensive practice in the reading of scientific texts of increasing difficulty. Prerequisite: satisfactory completion of First-Year German or consent of instructor. 11 MTuWTh. Gontrum.
- GL 321. **Scientific German (Second Term).** 3 hours.
Second four weeks, July 20-August 14. Continuation of GL 320. 11 MTuWTh. Gontrum.
- GL 334, 335, 336. **Intermediate German Composition and Conversation.** 6 hours.
Extensive practice in speaking and writing. Conducted in German. Prerequisite: two years of college German or consent of instructor. GL 334, June 23-July 10; GL 335, July 13-31; GL 336, August 3-14. 11 MTuWTh. Gontrum.
- GL 405. **Reading and Conference.** 3 hours.
Advanced grammar and composition; intended for German majors, and for teachers and prospective teachers. 11 MTuWTh. McWilliams.
- GL 405. **Reading and Conference.** 3 hours.
Reading and reports in selected periods of German literature. For German majors. Time to be arranged. Leppmann.
- GL 503. **Thesis.** Hours to be arranged.
Gontrum, Leppmann.
- GL 505. **Reading and Conference.** 3 hours.
Readings and reports in selected periods of German literature. For graduate students. Time to be arranged. Leppmann.
- GL 505. **Reading and Conference.** 3 hours.
Advanced grammar and composition; intended for graduate students, and for teachers and prospective teachers. 11 MTuWTh. McWilliams.

French

- RL 50. **First-Year French (First Term).** 4 hours.
First four weeks, June 22-July 17. An introduction to the language, stressing reading, comprehension of the spoken tongue, and the basic principles of French grammar. Equivalent of the first term of First-Year French given during the regular academic year. 8-10 daily. Manning.

- RL 51. **First-Year French (Second Term)**. 4 hours.
Second four weeks, July 20-August 14. Continuation of RL 50. Equivalent of the second term of First-Year French given during the regular academic year. 8-10 daily. Manning.
- RL 101. **Second-Year French (First Term)**. 4 hours.
First four weeks, June 22-July 17. Study of selections from representative authors; review of grammar; considerable attention to oral use of the language. 8-10 daily. Garramon.
- RL 102. **Second-Year French (Second Term)**. 4 hours.
Second four weeks, July 20-August 14. Continuation of RL 101. Equivalent of the second term of Second-Year French given during the regular academic year. 8-10 daily. Garramon.
- RL 314. **Intermediate French Composition and Conversation**. 2 hours.
Emphasis on exercises and review drills. Conducted in French. Prerequisite: two years of college French or equivalent. 11 MTuWTh. Garramon.
- RL 405. **Reading and Conference**. 3 hours.
Advanced grammar and composition; phonetics; intended for teachers and prospective teachers; particular attention to the use of idioms and to stylistics. 8 MTuWTh. Fischler.
- RL 405. **Reading and Conference**. 3 hours.
Advanced readings in French literature. Students interested should consult the instructor. 10 MTuWTh. Fischler.
- RL 503. **Thesis**. Hours to be arranged.
Marshall.
- RL 505. **Reading and Conference**. 3 hours.
Advanced grammar and composition; phonetics; intended for teachers and prospective teachers; particular attention to the use of idioms and to stylistics. 8 MTuWTh. Fischler.
- RL 505. **Reading and Conference**. 3 hours.
Advanced readings in French literature. Students interested should consult the instructor. 10 MTuWTh. Fischler.

Italian

- RL 70. **First-Year Italian (First Term)**. 4 hours.
First four weeks, June 22-July 17. Grammar, pronunciation, composition, and translation of modern authors. Equivalent of the first term of First-Year Italian given during the regular academic year. 10-12 daily. Hatzantonis.
- RL 71. **First-Year Italian (Second Term)**. 4 hours.
Second four weeks, July 20-August 14. Continuation of RL 70. Equivalent of the second term of First-Year Italian given during the regular academic year. 10-12 daily. Hatzantonis.

Russian

- SL 50. **First-Year Russian (First Term)**. 4 hours.
First four weeks, June 22-July 17. The elements of the Russian language; elementary reading, composition, and conversation. 10-12 daily. Steussy.
- SL 51. **First-Year Russian (Second Term)**. 4 hours.
Second four weeks, July 20-August 14. Continuation of SL 50. Equivalent of the second term of First-Year Russian given during the regular academic year. 10-12 daily. Steussy.

Spanish

- RL 60. **First-Year Spanish (First Term).** 4 hours.
 First four weeks, June 22-July 17. An introduction to Spanish, stressing speaking and reading; exercises in elementary composition. Equivalent of the first term of First-Year Spanish given during the regular academic year. 8-10 daily. Rosen.
- RL 61. **First-Year Spanish (Second Term).** 4 hours.
 Second four weeks, July 20-August 14. Continuation of RL 60. Equivalent of the second term of First-Year Spanish given during the regular academic year. 8-10 daily. Rosen.
- RL 107. **Second-Year Spanish (First Term).** 4 hours.
 First four weeks, June 22-July 17. Intensive oral and written exercises designed to help the student acquire an accurate and fluent use of Spanish. Study of selections from representative authors. 10-12 daily. Palley.
- RL 108. **Second-Year Spanish (Second Term).** 4 hours.
 Second four weeks, July 20-August 14. Equivalent of the second term of Second-Year Spanish given during the regular academic year. Continuation of RL 107. 10-12 daily. Palley.
- RL 405. **Reading and Conference.** 3 hours.
 Readings and reports in selected periods of Spanish literature. For Spanish majors. 8 MTuWTh. Palley.
- RL 405. **Reading and Conference.** 3 hours.
 Advanced grammar and composition; intended for Spanish majors, and for teachers and prospective teachers. 11 MTuWTh. Rosen.
- RL 505. **Reading and Conference.** 3 hours.
 Readings and reports in selected periods of Spanish literature. For graduate students, teachers and prospective teachers. 8 MTuWTh. Palley.
- RL 505. **Reading and Conference.** 3 hours.
 Readings and reports in selected periods of Spanish literature. For graduate students, and teachers and prospective teachers. 11 MTuWTh. Rosen.

Geography

Visiting Faculty: ISAAC, JOLLY, MERRILL, SHECK.

Professors: DICKEN, PRICE.

Associate Professor: COGGINS.

Assistant Professor: URQUHART.

- Geog 105. **Introductory Geography.** 3 hours.
 First four weeks, June 22-July 17. A general introduction to the field of geography; emphasis on physical geography. 10-12 MTuWTh. Coggins.
- Geog 106. **Introductory Geography.** 3 hours.
 Second four weeks, July 20-August 14. A general introduction to the field of geography; emphasis on regional geography. 10-12 MTuWTh. Coggins.
- Geog 201. **Geography of Europe.** 3 hours.
 First four weeks, June 22-July 17. Physical, political, and regional economic geography of Europe. 8-10 MTuWTh. Sheck.
- Geog 202. **Geography of Latin America.** 3 hours.
 Second four weeks, July 20-August 14. Physical, political, and regional economic geography of Latin American countries. 8-10 MTuWTh. Sheck.

- Geog 301. **Geography of Oregon.** 3 hours.
The land forms, climate, population, resources, products, and people of the Pacific Northwest, with emphasis on Oregon. 10 MTuWTh. Martin.
- Geog 302. **Geography of North America: Western United States and Canada.** 3 hours.
2 MTuWTh. Urquhart.
- Geog 432. **Geography of Africa.** (G) 3 hours.
Physical, economic and political geography of the African continent, with special emphasis on the area south of the Sahara. Prerequisite: 6 hours in lower-division geography courses or consent of instructor. 1 MTuWTh. Urquhart.
- Geog 451. **Geography of Eastern Asia.** (G) 3 hours.
Second four weeks, July 17-August 14. Intensive study of the physical and cultural processes that have shaped the landscapes of Eastern Asia. Prerequisite: 6 hours of lower-division geography or consent of instructor. 10-12 MTuWTh. Isaac.
- Geog 501. **Research.** Hours to be arranged.
- Geog 503. **Thesis.** Hours to be arranged.
- Geog 505. **Reading and Conference.** Hours to be arranged.
- Ed 508. **Workshop: Teaching Geography in the Junior High School.** 3 hours.
First four weeks, June 22-July 17. For present and prospective teachers of geography and social studies in the junior high schools of Oregon. Types and kinds of geographical knowledge that should be taught at the junior high-school level and methods by which this material can be presented most effectively. Students will work collectively on preparation of materials to be used in their own teaching situations. 8-10 daily. Jolly.

Geology

Professors: BALDWIN, STAPLES.

- Geol 103. **General Geology.** 4 hours.
Historical geology, covering major events in the earth's history and the evolution of plants and animals. Lecture, laboratory, field trips. 11 MTuWTh. Baldwin.
- Geol 352. **Geology of Oregon.** 3 hours.
Lectures, assigned reading, and field trips, to acquaint the student with some of the salient features of the geology of the state. 9 MTuWTh. Baldwin.
- Geol 406. **Field Geology.** 9 hours.
Geological field work in selected parts of Oregon. Prerequisite: Geol 313, Geol 393, and consent of instructor. Staples.
- Geol 456. **Regional Geology of North America.** (g) 3 hours.
Intended primarily for teachers. Introduction to certain basic concepts of geology, and to the common materials which make up the earth's crust. The lectures, supplemented by visual aids, present a general description of North America, including such notable geologic areas as those in the national parks. 10 MTuWTh. Baldwin.
- Geol 501. **Research.** Hours to be arranged.
- Geol 503. **Thesis.** Hours to be arranged.
- Geol 505. **Reading and Conference.** Hours to be arranged.
- Geol 506. **Advanced Field Geology.** Hours to be arranged.
Geologic field work chiefly in connection with graduate theses. Emphasis on individual problems. Prerequisite: graduate standing, consent of instructor. Baldwin, Staples.

Health, Physical Education, and Recreation

Visiting Faculty: CARTER, STALEY.

Professors: CLARKE, DOUGHERTY, ESSLINGER, HAAR, RHODA, RODNEY, SIGER-SETH, SPRAGUE, WASHKE, WOODRUFF.

Associate Professors: BRUMBACH, PUCKETT, W. SMITH, TUCK.

Assistant Professors: BORCHARDT, KIME, MUNSON, YOUNGEN.

Instructors: BALLOU, MUNROE, SCHENDEL, R. SMITH.

Workshops

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

June 22-July 10. Designed for secondary-school and college teachers. Directed toward the improvement of teaching, with emphasis upon participation, skill improvement, and proficiency. Concentrated work in methods of teaching and development of teaching materials. Dance areas open to men. Areas for participation and study:

Gymnastics. 2 hours. For women. Floor exercise, balance beam, uneven parallels. Floor exercise routines, teaching ballet and acrobatic movements, programming of gymnastics in public schools, organizing and conducting a meet in three events. 8-10 daily. Carter.

Dance. 2 hours. For men and women. Contemporary dance techniques, problems in composition. Emphasis on the selection of materials which will provide both enjoyment and challenge to the secondary student. 10-12 daily. Dougherty.

Individual and Dual Sports. 1-2 hours. For women. Basic fundamentals, teaching materials, theory and practice, with emphasis upon skill testing. 10-12 daily. Puckett, Youngen.

Tournament Tennis. 1 hour. For women. 11 daily. Youngen.

Field Hockey. 1 hour. For women. Theory and practice of field hockey, skills, team strategy, and teaching techniques. 1-2 daily. Woodruff.

Elementary Tumbling. 1 hour. For women. Skill practice; teaching progressions. 12-1 daily. Carter.

Track and Field. 2 hours. For women. Theory and practice in all track and field events, skill conditioning procedures and organizational methods, conduct of a track and field meet. 2-4 daily. Youngen.

Basic Movements and Conditioning Activities. 1 hour. For women. Analysis and practice of basic movements and conditioning activities, posture education techniques, instructional materials and teaching aids. 4-5 daily. Woodruff.

PE 408. Workshop: Gymnastics for Men and Women. 2 hours.

June 15-19. Designed for secondary-school and college and university teachers of physical education. Theoretical phases will include mechanical analysis, teaching techniques, progressions of apparatus, tumbling, and trampoline. Practical work will be designed to improve personal performance and spotting techniques. 8:00-12:00; 1:30-5:00 daily. Smith.

PE 408. Workshop in Physical Education. 1-2 hours.

August 17-21. A program of instructional activities designed for elementary and high-school teachers, men and women. Sponsored jointly by the Oregon Association for Health, Physical Education, and Recreation and the University of Oregon. 9-4 daily.

HE 408, 508. Workshop: Mental Health Seminar. 2 hours.

June 15-19. Designed for teachers, public school administrators, counselors, public health personnel, health educators, and personnel in allied health, biological and medical sciences. The latest scientific data and research find-

ings related to the field of mental health will be presented by leading authorities in the fields of psychology, counseling, health and medicine. 8:30-12:00, 1:30-5:00 daily. W. Smith.

Coaching Clinic

PE 406. **Coaching Clinic.** 1-2 hours.

June 15-19. Special problems of coaching football, basketball, track and field, wrestling, and injury care. Designed especially to meet the needs of high-school coaches.

Football Coaching.....	8:30-11:45 a.m. MTu
	1:15- 4:30 p.m. MTu
	7:00- 9:30 p.m. M
Basketball Coaching.....	7:00- 9:30 p.m. Tu
	1:30- 4:45 p.m. WThF
Track Coaching.....	9:00- 1:00 p.m. WThF
Wrestling.....	1:30- 4:45 p.m. WThF
Care and Prevention of Injuries.....	7:00- 9:30 p.m. WTh

Physical Education (Professional Courses)

PE 221. **Games for the Elementary School.** 2 hours.

Creative games, games of low organization, and fundamental sport skills suitable for elementary children. 2 MTuWTh. Munson.

PE 222. **Rhythms for the Elementary School.** 2 hours.

The dance program for children in the elementary school, grades one through six. Locomotor and nonlocomotor movement; dramatization and creative dance studies; singing games; traditional dance skills and folk dances for children of the intermediate grades. 3 MTuWTh. Munson.

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

PE 406. **Special Problems.** Hours to be arranged.

PE 420. **Methods in Elementary-School Physical Education.** 3 hours.

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. 8 TuWThF. Munson.

PE 446. **Tests and Measurements in Physical Education.** (G) 3 hours.

Use of tests and measurement in physical education; evaluation of objectives, programs, and student achievement through measurement techniques. 8 TuWThF. Rhoda.

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

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

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

PE 506. **Special Problems.** Hours to be arranged.

PE 506. **Special Problems: Athletic Injuries.** 3 hours.

The prevention and avoidance of injury. Analysis of types of injuries, their care and treatment; taping, bandaging, massage, etc. Use of mechanical aids in prevention and care of injuries, emergency procedures, conditioning against injury. Prerequisite: consent of instructor. 12 MTuWTh. Rhoda.

PE 507. **Seminar: Sports in American Culture.** 3 hours.

Outline history of sports in United States; origin and classification of sports; evaluation of selected sports; survey of national, sex, age, and geographic involvements; social, leisure, ethical, economic, industrial, educational, physical, national defense, institutional, hygienic, therapeutic aspects; historic sport sites, memorials, halls of fame, museums, libraries, amateurism, pro-

essionalism. Individual and small-group studies; seminar discussions. 9 TuWThF. Staley.

PE 507. Seminar: Problems in Physical Education. 3 hours.

Definition of key terms; review of analysis of objectives, subject matter organization, and methodology of historic and current programs; consideration of a new approach. Review of the stature and status of the program and the profession and of means for improvement; need and means for experimentation, research, and development. Individual and small-group studies; seminar discussions. 11 TuWThF. Staley.

PE 516. Intramural Organization and Management. 3 hours.

Nature and purposes of intramural programs; history of their development. Departmental organization; relationship of the program to physical-education instruction; administrative problems. 1 MTuWTh. Washke.

PE 517. Methods of Research. 3 hours.

Study of the methods and techniques of research in health, physical education, and recreation; practice in application to problems of current interest. 9 TuWThF. Brumbach.

PE 540. Statistical Methods in Physical Education. 3 hours.

The use of norms, comparable scores, rating scales, multiple regression, curve fitting, and factor analysis as tools of research and interpretation of physical growth, physical status, and physical performance data. Prerequisite: graduate standing. 2 MTuWTh. Clarke.

PE 550. Current Movements in Physical Education. 3 hours.

The different schools of thought and practice which determine the purposes and procedures in the professional field of physical education. Analysis of the Oregon and other regional public school physical-education programs. 10 TuWThF. Washke.

PE 551. Administration of Physical Education. 3 hours.

Organization and administration of the physical-education program at the college level. 8 TuWThF. Esslinger.

PE 553. Psychology of Motor Skills. 4 hours.

Analysis of research bearing upon the teaching of motor skills. 11 MTuWThF. Brumbach.

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

Building layout and equipment; the relationship of the various functional units—equipment service, dressing facilities, activity spaces, administrative units, permanent and dismantlable equipment. 11 TuWThF. Sprague.

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

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. 10 TuWThF. Sprague.

PE 572. Gross Anatomy. 3 hours.

Principles and facts in the fields of myology, osteology, arthrology, neurology, and angiology of importance to 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, PE 472, 473; or equivalent. 7-9 p.m. TuTh. Sigerseth.

Physical Education (Service Courses)

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

For men and women. 10 MTuWTh. Schendel.

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

For men and women. 11 MTuWTh. Borchardt.

- PE 180, 190, PE 380, 390. **Golf.** 1 hour.
For men and women. 10-12 TuTh. Ballou.
- PE 180, 190, PE 380, 390. **Golf.** 1 hour.
For men and women. 1-3 TuTh. Borchardt.
- PE 180, 190, PE 380, 390. **Golf.** 1 hour.
For men and women. 3-5 MW. Borchardt.
- PE 180, 190, PE 380, 390. **Golf.** 1 hour.
For men and women. 3-5 TuTh. Borchardt.
- PE 180, 190, PE 380, 390. **Golf.** 1 hour.
For men and women. 3-5 MW. Ballou.
- PE 180, 190, PE 380, 390. **Golf.** 1 hour.
For men and women. 3-5 TuTh. Ballou.
- PE 180, 190, PE 380, 390. **Tennis.** 1 hour.
For men and women. 1-3 MW. Schendel.
- PE 180, 190, PE 380, 390. **Tennis.** 1 hour.
For men and women. 3 MTuWTh. Schendel.
- PE 180, 190, PE 380, 390. **Tennis.** 1 hour.
For men and women. 4 MTuWTh. Schendel.
- PE 180, 190, PE 380, 390. **Tennis.** 1 hour.
For men and women. 3-5 MW. Munroe.
- PE 180, 190, PE 380, 390. **Tennis.** 1 hour.
For men and women. 3-5 TuTh. Munroe.

Health Education (Professional Courses)

- HE 250. **Personal Health.** 3 hours.
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. 11 MTuWF. Smith.
- HE 252. **First Aid.** 3 hours.
Study of first aid and safety procedures—for the individual, schools, athletics, and civilization defense; meets certification standards of the American Red Cross. 9 MTuWF. Smith.
- HE 405. **Reading and Conference.** Hours to be arranged.
- HE 450. **Elementary-School Health Education.** (g) 3 hours.
The purposes and requirements of the school health service 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. 1 MTuWTh. Tuck.
- HE 464. **Health Instruction.** (G) 3 hours.
Methods and materials in health instruction for junior and senior high schools. Special emphasis on the construction of health teaching units for Oregon secondary schools. Prerequisite: HE 361, 362, 363, or consent of instructor. 8 TuWThF. Kime.
- HE 465. **School Health Service.** (G) 3 hours.
Purpose and procedures of health service in the schools; control of common communicable diseases; technique of pupil health appraisal by the teacher. Prerequisite: HE 361, 362, 363, or consent of instructor. 10 TuWThF. Tuck.

HE 467. **Driver Education.** 3 hours.

Designed to prepare teachers to conduct driver-education courses in the secondary schools. Use of teaching devices, development of instructional units, behind-the-wheel instruction. 2 MTuWTh. Kime.

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

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

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

HE 506. **Special Problems.** Hours to be arranged.

HE 506. **Special Problems: Traffic Safety.** 3 hours.

Organization and administration of driver education, personal psychological problems of driving, traffic enforcement, engineering, safety teaching materials, methods of instruction in driver education. Prerequisite: secondary-school teaching credential and basic driver-education courses. 1 MTuWTh. Haar.

HE 507. **Seminar: Mental and Emotional Adjustment in Health and Physical Education.** 3 hours.

Facts and techniques for diagnosis, preservation, and improvement of the well-being of individuals. Emphasis is on the "normal" in the school situation. 2 MTuWTh. W. Smith.

HE 542. **Basic Issues in Health Education.** 3 hours.

Current basic issues and problems in school health education; economic and social forces affecting health education; implications for programs. 9 TuWThF. Haar.

Recreation Management

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

Rec 407. **Seminar: Group Leadership and Programs.** Hours to be arranged.
Rodney.

Rec 415. **Recreation Field Work.** Hours to be arranged. (9 hours maximum credit).
Rodney.

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

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

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

Rec 506. **Special Problems.** Hours to be arranged.

Rec 553. **Administration of Recreation.** 3 hours.

Organization and administration of recreation programs in recreational districts, communities, and municipalities; legal aspects, source of funds, types of programs. 7-9 p.m. MW. Rodney.

History

Visiting Faculty: ADAMS, BAUMAN, BOGUE, CARLIN, DURDEN, FALCONERI, HENDRICKSON, MACMICHAEL.

Associate Professors: SMITH, SORENSON.

Assistant Professors: PETERSON, PIERSON.

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

First four weeks, June 22-July 17. Origins and development of Western civilization from ancient times to the end of the Middle Ages. 8-10 MTuWTh. Bauman.

- Hst 102. **History of Western Civilization.** 3 hours.
Second four weeks, July 20-August 14. The development of Western civilization from the Renaissance to the end of the Napoleonic era. 8-10 MTuWTh. Bauman.
- Hst 201. **History of the United States.** 3 hours.
First four weeks, June 22-July 17. The thirteen colonies, the American Revolution, and the United States to about 1840. 10-12 MTuWTh. Hendrickson.
- Hst 202. **History of the United States.** 3 hours.
Second four weeks, July 20-August 14. Survey of United States history from 1840 to 1900. 10-12 MTuWTh. Hendrickson.
- Hst 301. **Europe since 1789.** 3 hours.
First four weeks, June 22-July 17. Political, social, economic, and cultural trends from the French Revolution to 1870. 8-10 MTuWTh. Pierson.
- Hst 302. **Europe since 1789.** 3 hours.
Second four weeks, July 20-August 14. Political, social, economic, and cultural trends from 1870 to 1918. 8-10 MTuWTh. Pierson.
- Hst 350. **Hispanic America.** 3 hours.
First four weeks, June 22-July 17. A study of Hispanic America from the early Indian civilizations through the periods of Spanish conquest and colonization. 1-3 MTuWTh. MacMichael.
- Hst 351. **Hispanic America.** 3 hours.
Second four weeks, July 20-August 14. A survey of Hispanic America during the 19th century. 1-3 MTuWTh. MacMichael.
- Hst 391. **Far East in Modern Times.** 3 hours.
First four weeks, June 22-July 17. 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 1895. 10-12 MTuWTh. Falconeri.
- Hst 392. **Far East in Modern Times.** 3 hours.
Second four weeks, July 20-August 14. Political, economic, and diplomatic history of China, Japan, and Korea from 1895 to 1931. 10-12 MTuWTh. Falconeri.
- Hst 405. **Reading and Conference.** Hours to be arranged.
- Hst 407. **Seminar: Late Nineteenth-Century American Thought.** 3 hours.
Carlin.
- Hst 407. **Seminar: Ideas and Movements in Nineteenth-Century Europe.** 3 hours.
2-3:20 MW. Sorenson.
- Hst 407. **Seminar: The American Middle Period and the West.** 3 hours.
Bogue.
- Hst 419. **Studies in Western Civilization.** (g) 3 hours.
Political, economic, and intellectual problems in the history of Western civilization since the beginning of the nineteenth century. Intended primarily for teachers; attention to aspects that are particularly applicable to teaching assignments. 11 MTuWTh. Carlin.
- Hst 444. **Twentieth-Century Europe.** (G) 3 hours.
The revolutionary consequences of World War I for society, politics, and the economy; the new democratic governments and the challenge of Bolshevism, Fascism, and Nazism; background of World War II. 8 MTuWTh. Adams.
- Hst 457. **The Era of American Sectional Conflict.** (G) 3 hours.
Forces, events, and persons that contributed to unity and particularism in the United States during the first half of the nineteenth century. 9 MTuWTh. Durden.

- Hst 459. The Era of Reconstruction.** (G) 3 hours.
Problems of the tragic era following the Civil War; continuing effects to the end of the nineteenth century. 11 MTuWTh. Durden.
- Hst 465. British Empire.** (g) 3 hours.
History of the British Empire in Africa in the nineteenth and twentieth centuries. 9 MTuWTh. Smith.
- Hst 478. History of the Pacific Northwest.** (G) 3 hours.
The westward movement and the building of civilization in the Pacific Northwest states. 10 MTuWTh. Bogue.
- Hst 481. The United States in the Twentieth Century.** (G) 3 hours.
The United States in the years 1919-1939. Second term of a year sequence. 10 MTuWTh. Peterson.
- Hst 488. American Economic History.** (G) 3 hours.
The economic development of the United States from 1820 to 1890. 8 MTuWTh. Peterson.
- Hst 501. Research.** Hours to be arranged.
- Hst 503. Thesis.** Hours to be arranged.
- Hst 505. Reading and Conference.** Hours to be arranged.
- Hst 505. Reading and Conference: The Age of Enlightenment and the French Revolution.** 1-3 hours.
Adams.
- Hst 507. Seminar: Late Nineteenth-Century Thought.** 3 hours.
Carlin.
- Hst 507. Seminar: Ideas and Movements in Nineteenth-Century Europe.** 3 hours.
2-3:20 MW. Sorenson.
- Hst 507. Seminar: The American Middle Period and the West.** 3 hours.
Bogue.
- Hst 532. European History: Problems and Interpretations.** 3 hours.
Readings, reports and group discussions of major trends, problems, and interpretations in European history from 1789 to present. 2-4 W. Adams.

Journalism

Professors: HULTENG, PRICE, WALES.

Associate Professors: NELSON, WEBB.

Assistant Professor: FREEMESSER.

Instructors: JOHNSTONE, METZLER.

- 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. 10 MTuWTh. Wales.
- J 361. Reporting.** 3 hours.
Basic training in news gathering and reporting for newspapers and other media; laboratory experience. 8 MTuWTh. Price.
- J 405. Reading and Conference.** 1-3 hours.
- J 407. Seminar: High-School Journalism.** 6 hours.
First three weeks, June 22 to July 11. A special three-week seminar for high-school teachers of journalism or publications advisers who have been

awarded Newspaper Fund fellowships enabling them to attend the seminar. Class sessions and daily workshops. 8-12, 1-4 MTuWThF.

J 457. The Press and Society. 3 hours.

The organization and operation of American newspapers, magazines and other media; evaluation of their functions and responsibilities; not open to journalism majors. 9 MTuWTh. Price.

J 468. Magazine Article Writing. 2 hours.

Study of the problems of writing and selling articles. Conferences. 11 WThF. Metzler.

J 501. Research. 1-3 hours.

J 503. Thesis. 1-3 hours.

J 505. Reading and Conference. 1-3 hours.

Librarianship

Visiting Faculty: SALISBURY.

Professor: HINTZ.

Associate Professor: MCCOLLOUGH.

Assistant Professors: JONES, LANE, PIERRON.

Lib 481. Bibliography and Reference. (G) 3 hours.

Introduction to reference services; evaluation and use of reference materials; correct bibliographical forms; practical problems in the use of reference books in school and other small libraries. 3-5 TuTh.

Lib 484. School Library Administration. (G) 3 hours.

Introduction to school librarianship and to the objectives of the school library in the instructional program; problems relating to budget and finance, housing and equipment, personnel, etc. Emphasis on national and state standards for the instructional materials center. 1-3 MW. Salisbury.

Lib 485. Advanced Bibliography and Reference. (G) 3 hours.

Reference books in the various subject fields; theory and history of bibliography; interlibrary loan. Prerequisite: Lib 481 or consent of instructor. 3-5 MW. Pierron.

Lib 486. Introduction to Cataloging and Classification. (G) 3 hours.

Instruction and practice in simplified procedures for the classification and cataloging of books, films, filmstrips, phonorecords, and maps. Procedure for ordering and using Library of Congress and Wilson cards. 10-12 TuTh. Salisbury.

Lib 487. Cataloging and Classification. (G) 3 hours.

More difficult 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 486 or consent of the instructor. 10-12 MW. Pierron.

Lib 488. Books and Related Materials for Young People. (G) 3 hours.

Survey of books and nonbook materials suitable for students of junior and senior high-school age; emphasis on selection and evaluation of books, adolescent reading interests, and reading guidance for curricular and personal needs. 10-12 MW. Salisbury.

Lib 490. Children's Literature. (G) 3 hours.

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. 9 MTuWTh. Lane.

Lib 491. Storytelling. (G) 3 hours.

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. 8 MTuWTh. Lane.

Lib 493. Literature of the Humanities. (G) 3 hours.

The role of the humanities in modern life; survey and evaluation of library resources in the humanistic disciplines. 9 MTuWTh. McCollough.

Lib 495. Literature of the Social Sciences. (G) 3 hours.

Survey of key men and ideas in the social sciences, with emphasis on past development and present tendencies; source materials for research; selection of books, maps, periodicals, etc. for school and college libraries and for personal reading; introduction to the bibliography of each of the social sciences. Designed for all interested students as well as library majors. 8 MTuWTh. Jones.

Lib 511. History of the Book. 3 hours.

Development of the book in its various forms from earliest times to the present; origin and evolution of the alphabet and scripts; history of manuscript books; invention and spread of printing; production and distribution of printed books. Emphasis on the relation of books to social conditions in the various periods studied. 10-12 MW. Hintz.

Mathematics

Visiting Faculty: DIVINSKY, JENNINGS.

Professors: GHENT, MOURSUND, NIVEN.

Associate Professor: MAIER.

Assistant Professors: GILLETTE, VAN BUSKIRK.

Instructor: 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 those degrees at the Mathematics Office.

The following sequences are designed primarily for teachers working toward a special master's degree:

Mth 457 (g), 458 (g), 459 (g). Foundations of Mathematics. 12 hours.

Mth 468 (g), 469 (g). Probability and Statistics. 8 hours.

Mth 478 (g), 479 (g), 579, 580. Algebra. 16 hours.

Mth 487 (g), 488 (g), 489 (g), 589. Geometry. 16 hours.

Mth 498 (g), 499 (g), 598, 599. Analysis. 16 hours.

The department offers these courses on a rotating basis, so that a student may complete all of them in at most four summers. This summer Mth 457, Mth 459, Mth 580, and Mth 599 are being offered. Mth 111, a special course for elementary-school teachers, is offered every summer.

Each summer the special courses are supplemented by regular-session courses and seminars of interest to teachers. An increased number of such courses are being offered this summer. See also the courses listed under MATHEMATICS INSTITUTE (a limited number of teachers who are not in the institute may enroll for these courses with approval of the director).

Mth 104. Introductory College Mathematics. 4 hours.

College algebra and trigonometry. Prerequisite: one and one-half years of high-school algebra or intermediate algebra in college. 10 MTuWThF.

Mth 111. Mathematics for Elementary Teachers. 3 hours.

Foundations of grade-school mathematics. A required course in the elementary teacher training program. 8 MTuWThF. Sherman.

Mth 204, 205, 206. Analytic Geometry and Calculus. 5-10 hours.

Enrollment restricted to students who have sufficient ability and are sufficiently well prepared to do the work with less than the normal number of hours of classroom instruction. Sections will be organized to cover Mth 204 only; Mth 205 only; Mth 206 only; Mth 204 and Mth 205; Mth 205 and Mth 206. Time to be arranged.

Mth 405. Reading and Conference. Hours to be arranged.**Mth 425. Elements of Statistical Methods.** (g) 3 hours.

An introductory course in statistics. Students may elect to register for this course under 515. Prerequisite: intermediate algebra or more than one year of high-school algebra. 8 MTuWTh.

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

Axiomatic development of the number systems of elementary and high-school mathematics; critical examination of algebraic techniques with special references to the solution of linear and quadratic equations. 9 MTuWThF. Ghent.

Mth 459. Foundations of Mathematics. (g) 4 hours.

The notion of sets, algebra of sets, laws of counting, applications and other topics as time permits. 2 MTuWTh. Maier.

Mth 501. Research. Hours to be arranged.**Mth 503. Thesis.** Hours to be arranged.**Mth 505. Reading and Conference.** Hours to be arranged.**Mth 507. Seminar.** Hours to be arranged.**Mth 507. Seminar: Number Theory.** 3 hours.

Prerequisite: A one-term course in number theory or consent of instructor. 9 MTuWF. Maier.

Mth 507. Seminar: Selected Topics. 3 hours.

Topics to be selected to meet the needs of first-year graduate students and the more advanced high-school mathematics teachers. Time to be arranged.

Mth 507. Seminar: Elementary Topology. 3 hours.

Prerequisite: consent of instructor. 1 MTuWTh. Van Buskirk.

Mth 507. Seminar: Fourier Series. 3 hours.

An introduction to Fourier series and applications. Prerequisite: consent of instructor. 10 MTuWTh. Moursund.

Mth 507. Seminar: Algebra. 3 hours.

Selected topics to be announced. Prerequisite: introductory course in modern algebra. 2 MTuWTh.

Mth 580. Number Theory. 4 hours.

Properties of the integers, linear, Diophantine equations, congruences, Fermat's theorem and other selected topics. Prerequisite: calculus or an upper-division course in mathematics. 9 MTuWThF. Jennings.

Mth 599. Analysis. 4 hours.

Selected topics from advanced calculus and the theory of functions of a real variable. For the more advanced teachers finishing work for the master's degree. 8 MTuWThF.

Mathematics Institute

The University has been granted funds by the National Science Foundation to hold a Summer Institute for Teachers of High-School Mathematics, with Professor A. F. Moursund as director. The institute will be held during the eight weeks of the summer session. Stipends of \$75 per week, exemption from tuition, allowances for dependents, and travel allowances are available for fifty mathematics teachers. Institute courses are open to a limited number of teachers who are not stipend holders. Some of the institute courses parallel regular courses listed above. Three institute courses which should be of particular interest are listed below.

Mth 461. Irrational Numbers. (g) 2 hours.

June 23-July 6. The place of the irrational numbers in the structure of the real number system. I MTuWThF. Niven.

Mth 478. Classical Algebra. (g) 4 hours.

An extension of college algebra, theory of equations, cubics, quartics, approximation of roots, determinants, and other classical topics. 10 MTuWThF.

Mth 589. Geometry. 4 hours.

Analytic geometry in 2, 3, 4 and n dimensions with special attention to quadric curves and surfaces, combinatorial topology of curves and surfaces, regular polyhedra, and their generalizations. Prerequisite: A one-term course in college geometry or consent of instructor. 11 MTuWThF. 102 Deady, Jennings.

Military Science

Professor: FOSSUM.

Technical Specialist: BARNETT.

Mil 111, 112. Military Science I. 1 hour each term.

Organization of the Army and the Army R.O.T.C.; individual weapons and marksmanship; United States Army and national security; counterinsurgency; leadership laboratory. Students enrolled must also take a course within the general academic area of effective communications, general psychology, science comprehension, or political institutions and political development which carries 2 or more term hours of credit and satisfies the University group requirement.

Mil 211, 212. Military Science II. 1 hour each term.

Map and aerial photograph reading; American military history; introduction to basic tactics and techniques; counterinsurgency; leadership laboratory.

Mil 311, 312. Military Science III. 4 hours each term.

Leadership; military teaching principles; branches of the Army; small-unit tactics and communications; counterinsurgency; precamp orientation; leadership laboratory. By special arrangement with the Department of Military and Air Science.

Mil 411, 412. Military Science IV. 4 hours each term.

Operations; logistics; Army administration; military law; the role of the United States in world affairs; counterinsurgency; service orientation; leadership laboratory. By special arrangement with the Department of Military and Air Science.

Music

Visiting Faculty: ELLEFSON, MITCHELL, WHITFIELD.

Professors: NYE, TROTTER.

Associate Professors: BAILEY, HLADKY, LEE, RISINGER.

Assistant Professors: CUNNINGHAM, EARLS, MAVES, WOODS.

Instructors: ROST, TROMBLEY.

Fees. The following special fees are charged for private lessons in applied music (Mus 190, Mus 290, Mus 390, Mus 490, Mus 590): piano, violin, viola, cello, voice, organ, one lesson a week for eight weeks, \$20.00; two lessons a week, \$33.00. Wind instruments, one lesson a week for eight weeks, \$14.00; two lessons a week, \$28.00. Practice-room fee: one hour daily for eight weeks, \$2.75.

Mus 50. Basic Piano. 1 hour.

Class instruction for music majors who have not passed the required test in keyboard proficiency, and for others ineligible for instruction at the level of Mus 190. 1, 2 TuTh. Woods.

Mus 51. Basic Voice. 1 hour.

Class instruction for music majors and others ineligible for instruction at the level of Mus 190. 9, 10 TuTh. Bailey.

Mus 190. Performance Studies. 1-4 hours.

Piano—Woods.

Voice—Bailey.

Violin—Maves.

Cello-String Bass—Hladky.

Organ—Possman.

Flute—Trombley.

Woodwind Instruments—Cunningham.

Brass Instruments—Lee, Rost.

Mus 195. Band. 1 hour.

Prerequisite: audition for consent of instructor. 12 MTuWTh. Lee.

Mus 196. Orchestra. 1 hour.

Prerequisite: audition for consent of instructor. 2 MTuTh, 7 p.m. W. Maves.

Mus 197. Chorus. 1 hour.

Preparation of a major choral work in the large form for public performance. Prerequisite: audition for consent of instructor. 1 MTuWTh. Risinger.

Mus 233. Keyboard Harmony. 1 hour.

Keyboard application of the theoretical principles of Mus 230. 3 MW. Possman.

Mus 290. Performance Studies. 1-4 hours.

Prerequisite: proficiency required for completion of Mus 190; consent of instructor. For instructional staff, see Mus 190.

MuE 321. Music Fundamentals. 2 hours.

A study of musical notation and terminology, rudiments of sight singing and ear training; introduction to simple melodic and rhythmic instruments. Required of elementary-education and recreation-management majors; elective for other University students. 1 MWF. Whitfield.

MuE 383. Music for Elementary Teachers. 3 hours.

Experience in teaching various music activities in elementary schools. Required of majors in elementary education. Prerequisite: Mus 321, 322 or consent of instructor. 10 MTuWTh. Whitfield.

Mus 390. Performance Studies. 1-4 hours.

Prerequisite: Proficiency required for completion of Mus 290; audition for consent of instructor. For instructional staff, see Mus 190.

- Mus 394. Chamber Ensemble.** 1 hour.
Study of masterpieces of music through small group rehearsal. For stringed-instrument players, wind-instrument players, pianists, and singer. Prerequisite: audition for consent of instructor.
- Mus 395. Band.** 1 hour.
See Mus 195. Prerequisite: audition for consent of instructor. 12 MTuWTh. Lee.
- Mus 396. Orchestra.** 1 hour.
See Mus 196. Prerequisite: audition for consent of instructor. 2 MTuTh, 7 p.m. W. Maves.
- Mus 397. Chorus.** 1 hour.
Preparation of a significant choral work in large form for public performance. Prerequisite: consent of instructor. 1 MTuWTh. Risinger.
- MuE 407. Seminar: Advanced Pedagogy in Woodwind Instruments.** (G) 2 hours.
Prerequisite: prior experience in teaching woodwind instruments, or consent of instructor. 1 MWF. Cunningham.
- MuE 407. Seminar: Advanced Pedagogy in Brass Instruments.** (G) 2 hours.
Prerequisite: prior experience in teaching brass instruments or consent of instructor. 1 MWF. Rost.
- MuE 407. Seminar: Music in the Elementary School.** (G) 3 hours.
Theory, supervision, curriculum materials, and procedures of vocal-music teaching in the elementary school. 9 MTuWTh. Nye.
- MuE 407. Seminar: Vocal Literature for Elementary Teachers.** (G) 2 hours.
Survey of folk, art, and other songs suitable for elementary teaching purposes; analysis and identification of folk-song idiom. 8 MWF. Whitfield.
- Mus 407. Seminar: Chromaticism.** (G) 3 hours.
Analysis of music from the sixteenth to mid-twentieth centuries, with reference to the tension between diatonic and increasingly chromatic forces defining and elaborating tonality. 9 MTuWTh. Mitchell.
- Mus 438. Band Arranging.** (G) 3 hours.
Scoring for larger combinations of wind instruments, including the concert band, marching band, and stage band. Prerequisite: Mus 337 or consent of instructor. 2 MTuThF. Rost.
- Mus 439. Choral Arranging.** (G) 3 hours.
Techniques of arranging for various types of choral groups, both accompanied and a cappella. Prerequisite: Mus 332 or consent of instructor. 11 MTuThF. Earls.
- Mus 440. Composition.** (G) 2 hours.
Composition in larger forms and instrumental combinations. Prerequisite: Mus 340 or consent of instructor. 8 MWF. Earls.
- MuE 446. Band Materials.** (G) 2 hours.
Second four weeks, July 20-August 14. Repertoire for band and other wind instrument groups in elementary and secondary schools; problems of leadership, presentation, organization, and program planning. Prerequisite: consent of instructor. 10 MWF. Lee.
- Mus 450. Listening with Understanding.** (g) 2 hours.
Introduction to basic concepts of a rational approach to listening, with collateral readings and class study of selected masterpieces. Laboratory periods to be scheduled. 9 MTuThF. Hladky.
- Mus 452. Symphony and Sonata.** (g) 3 hours.
The greatest of instrumental forms as developed by Haydn, Mozart, and Beethoven; elements of style from the Viennese classic period to the mid-twentieth century. 11 MTuWTh. Mitchell.

Mus 485. Advanced Choral Conducting. (G) 3 hours.

Prerequisite: Mus 385 or Mus 387 or consent of instructor. 9 MWF; laboratory to be arranged. Risinger.

Mus 490. Performance Studies. 1-4 hours.

See Mus 190.

Mus 493. Collegium Musicum. 1 hour.

Study of music literature of the mediaeval, Renaissance, and baroque periods through rehearsals and extensive sight reading; both vocal and instrumental repertoire. 6:20-8 p.m. TuTh. Trombley.

Mus 507. Seminar: Music History. 3 hours.

Examination in depth of representative music from the eighteenth to the mid-twentieth century in the light of contemporary theoretical systems. 2 MTuWTh. Mitchell.

MuE 532. Basic Concepts in the Teaching of Music. 3 hours.

Discussion of problems and issues in teaching music at all levels. Organization of field studies, research papers and theses. Prerequisite: consent of instructor. 10 MTuWTh. Nye.

MuE 534. Music in Junior High School. 3 hours.

First four weeks, June 22-July 17. Theory, supervision, curriculum materials, and procedures of vocal music teaching in the junior high school. Research in problems involving music and related areas of instruction. 11 MTuWTh. Ellefson.

MuE 536. Administration of School Music. 3 hours.

Second four weeks, July 20-August 14. Study of the principles underlying a sound administrative policy; budgets, personnel, curriculum, facilities, and public relations. 11 MTuWTh. Ellefson.

Workshops in Music

Mus 508. Workshop: Choral Techniques. 2 hours.

One week, June 14-19. 9-12, 1:30-4:30 daily. 7:30-9:30 p.m., MTuWTh. Fred Waring and staff.

Mus 508. Workshop: Recorder Playing and Baroque Performance. No credit.

Two weeks, June 22-July 3. Bernard Krainis.

Mus 508. Workshop: Classical Guitar and Baroque Performance Practices. No credit.

Two weeks, July 6-17. Julian Bream.

Philosophy

Professor: JESSUP.

Instructor: PAUL.

Phl 202. Elementary Ethics. 3 hours.

An introduction to the philosophical study of morality, e.g., right and wrong, free will and determinism, morals and society, etc. 9 MTuWTh. Paul.

Phl 203. Elementary Logic. 3 hours.

An introduction to the study of reasoning. How to recognize, analyze, criticize, and construct the main types of argument and proof. 11 MTuWTh. Jessup.

Phl 407. Seminar: American Philosophy. (G) 3 hours.

Intensive study of selected works of major American philosophers from the late nineteenth century to the present. 9 MTuWTh. Jessup.

The University and the city of Eugene offer many recreational facilities for summer students and their families.

**FOR
THE
FAMILY**

On Campus:

Tennis courts are available for your use at all times, except when they are being used for classes.

Swimming instruction is provided for children, and recreational swimming for men, women, and families.

The millrace, located on the campus, is a delightful picnic spot. The recreation area of the Erb Memorial Student Union provides bowling, billiards, shuffleboard, and table tennis.



Off Campus:

The city of Eugene operates six supervised playgrounds and two swimming pools during the summer, in various areas throughout the city.

The Oakway Golf Course is available for the golf enthusiast.

Within easy driving distance are a number of state and county parks and picnic areas, as well as lakes and rivers for boating, swimming, and fishing. Trout streams run through the city.

ON THE CULTURAL SIDE

Well-known lecturers will be featured during summer workshops, and the Browsing Room lecture series, always popular, will feature visiting lecturers and members of our faculty.

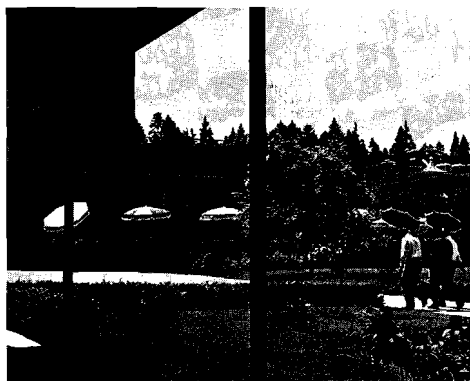
Concerts and music-lectures will be presented by the School of Music through the summer.

The University Theatre has an outstanding summer of entertainment planned for you, including main stage and arena theatre productions.

The Erb Memorial Student Union will present art exhibits, lectures, lunch and afternoon discussion sessions, and other special programs throughout the summer.

The Museum of Art, open daily, houses the Gertrude Bass Warner Collection of Oriental Art. Among many treasures are a large collection of Chinese paintings by ancient masters, and an Imperial Jade Pagoda, largest of its kind, valued at \$75,000.

The Museum of Natural History houses many fascinating exhibits, featuring fluorescent minerals, masks of Northwest Coast Indians, birds of the Pacific Coast, etc.



The annual Terrace Dance, featuring entertainment as well as dancing, should be of interest to most summer session students.

Other social events, folk dances, mixers, bridge and chess tournaments, and recreational programs will be presented for your enjoyment at the Erb throughout the summer.

A weekly feature movie program is open to all summer students and their families at a nominal charge.

Tennis, bowling, table tennis, and billiards tournaments will be scheduled throughout the summer.

STRICTLY FOR FUN

Phl 415. **Plato.** (G) 3 hours.

Analysis of Plato's major dialogues, with some attention to the significance of Platonism in the history of Western philosophy. 11 MTuWTh. Paul.

Physics

Associate Professor: DART.

GS 106. **Physical Science Survey.** 4 hours.

General introduction to the physical sciences; principles of physics and chemistry, geologic processes, and man's relation to them. Special emphasis on scientific method. 10 daily. Dart.

Ph 418. **Nuclear Physics.** 3 hours.

9 daily.

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

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

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

Ph 507. **Seminar: Foundations of Physics.** 4 hours.

Political Science

Visiting Faculty: FALCONERI.

Professor: SCHLEICHER.

Associate Professor: GOLDRICH.

Instructor: FISZMAN.

PS 205. **International Relations.** 3 hours.

Analysis of the relations among nations with reference to contemporary issues. 10 MTuWTh. Schleicher.

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

PS 410. **India in Modern Times.** (G) 3 hours.

Development of Indian civilization; the social, economic, and political institutions and problems of contemporary India. 8 MTuWTh. Schleicher.

PS 423. **The Politics of Latin America.** (G) 3 hours.

Overview of Latin American politics, emphasizing the concepts of power structure, ideology, and political legitimacy; evaluation and analysis of primary data on Latin American politics, with particular reference to the role of students in politics. 10-12 TuTh. Goldrich.

PS 429. **Government and Politics of China.** (G) 3 hours.

Governmental institutions and political processes in China. 9 MTuWTh. Fiszman.

PS 501. **Research: Politics of Developing Countries.** Hours to be arranged.
Goldrich.

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

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

PS 507. **Seminar: Nature and Problems of Administrative Behavior.** 3-6 hours.

For advanced graduate students; draws from the literature in the 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. 10-12 MTuWTh. Jacobson.

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

The background and perspectives of each of the social science disciplines—anthropology, economics, political science, psychology, and sociology. Selective aspects of social organization and process considered in detail. 8-10 MTuWTh. Tope, Campbell, Fosmire, A. Smith.

PS 508. Workshop: Comparative Communist Systems and Ideology. 6 hours.

June 22-July 17. Designed especially to assist teachers of social studies at the secondary level. Open only to persons sponsored by their local school districts and accepted by the Oregon State Department of Education. Elementary teachers will be accepted if secondary-teacher registration does not reach 100 by the registration deadline of May 15, 1964. Director: J. R. Fizman.

Psychology

Visiting Faculty: EDWARDS.

Professors: LEEPER, LITTMAN.

Assistant Professor: BRICKER.

Instructors: CURTIS, RESCH.

Psy 201. General Psychology. 3 hours.

First four weeks, June 22-July 17. Introductory study of behavior and conscious processes. Survey of experimental studies of motivation, learning, thinking, perceiving, and individual differences. 8-10 MTuWTh. Resch.

Psy 202. General Psychology. 3 hours.

Second four weeks, July 20-August 14. Introductory study of behavior and conscious processes. Survey of experimental studies of motivation, learning, thinking, perceiving, and individual differences. 8-10 MTuWTh. Resch.

Psy 204. Psychology of Adjustment. 3 hours.

The nature and origins of differences in personality; survey of personality, abnormal psychology, and related areas. 10-11 MTuWTh.

Psy 208. General Psychology Laboratory. 1 hour.

First four weeks, June 22-July 17. Introduction to research methods. Designed to familiarize the student with scientific approaches to problems in psychology. 11-1 MW. Resch.

Psy 209. General Psychology Laboratory. 1 hour.

Second four weeks, July 20-August 14. Introduction to research methods. Designed to familiarize the student with scientific approaches to problems in psychology. 11-1 MW. Resch.

Psy 210. General Psychology Laboratory. 1 hour.

Introduction to research methods. Designed to familiarize the student with scientific approaches to problems in psychology. 11-1 Tu.

Psy 334. Social Psychology. 3 hours.

First four weeks, June 22-July 17. 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: Psy 201, 202 or Soc 204, 205. 8-10 MTuWTh. Berreman.

Psy 335. Social Psychology. 3 hours.

Second four weeks, July 20-August 14. 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: Psy 201, 202 or Soc 204, 205. 8-10 MTuWTh. Berreman.

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

Psy 407. **Seminar: Drugs and Behavior.** 3 hours.

Recent developments in the interaction of drugs and behavior, especially with regard to methods of social control. Edwards.

Psy 436. **Character and Personality.** (g) 3 hours.

Second four weeks, July 20-August 14. Major theories of personality development and functions. Prerequisite: Psy 204 or equivalent. 10-12 MTuWTh. Leeper.

Psy 450. **Abnormal Psychology.** (g) 3 hours.

Various forms of unusual behavior, including anxiety states, hysteria, hypnotic phenomena, and psychoses. 11-12 MTuWTh. Edwards.

Psy 460. **Developmental Psychology I: Infancy and Childhood.** (g) 3 hours.

First four weeks, June 22-July 17. Development of behavior and psychological activity through the prenatal period, infancy, and childhood. Changes of intelligence, motor capacity, emotional response, language, and social behavior. Emphasis on social influences on development. 8-10 MTuWTh.

Psy 461. **Developmental Psychology II: Adolescence and Maturity.** (g) 3 hours.

Second four weeks, July 20-August 14. Development of behavior and psychological activity through adolescence, maturity, and old age. Changes of intelligence, motor capacity, emotional response, language, and social behavior. Emphasis on social influences on development. 8-10 MTuWTh.

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

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

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

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

The background and perspectives of each of the social-science disciplines—anthropology, economics, political science, psychology, and sociology. Selected aspects of social organization and process considered in detail. 8-10 MTuWTh. Fosmire and staff.

Psy 507. **Seminar: Psychopharmacology.** 2-3 hours.

1-3:30 Tu. Edwards.

Psy 507. **Seminar: Child Psychology.** 2-3 hours.

Psy 507. **Seminar: Clinical Psychology.** 2-3 hours.

Psy 507. **Seminar: Early Experience.** 2-3 hours

Littman.

Psy 508. **Clinical Work with Children.** 3 hours.

Work in the University Child Study Center. Enrollment limited. Prerequisite: Psy 524, Psy 530, 531; consent of instructor. Straughan.

Psy 509. **Practicum Experience.** Hours to be arranged.

Work in selected agencies providing diagnostic and counseling services. Enrollment limited. Prerequisite: consent of instructor. Straughan.

Psy 524. **Individual Intelligence Testing.** 3 hours.

Lectures and discussion covering basic principles and issues surrounding the use and interpretation of intelligence tests. Bricker, Curtis.

Psy 525. **Individual Intelligence Testing: Practicum.** 3 hours.

Supervised practice in the administration, scoring, and interpretation of the Stanford-Binet, Wechsler Adult Intelligence Scale, and Wechsler Intelligence Scale for Children. Bricker, Curtis.

Sociology

Professors: BERREMAN, MARTIN.

Associate Professors: BISNO, JOHANNIS.

Assistant Professor: RODGERS.

Soc 204. General Sociology. 3 hours.

First four weeks, June 22-July 17. Introduction to basic sociological problems. A frame of reference, selected hypotheses, and empirical generalizations will be given in connection with these problems; dominant characteristics of modern societies; the relation between the individual and the group. 10-12 MTuWTh. Rodgers.

Soc 205. General Sociology. 3 hours.

Second four weeks, July 20-August 14. Types of social groups, analysis of the components of groups; economic, political, and control components or groups. Prerequisite: Soc 204. 10-12 MTuWTh. Rodgers.

Soc 305. Contemporary Social Problems. 3 hours.

Introduction to problems associated with the organization of social systems; deviant behavior and methods of social control. Prerequisite: Soc 204, 205, 206, or Soc 300. 1 MTuWTh. Bisno.

Soc 308. World Population and Social Structure. 3 hours.

Introduction to the general field of population studies, providing within a sociological framework an analysis of historical, contemporary, and anticipated population conditions and trends, as these are related to social situations and the organization of society. Prerequisite: Soc 204, 205, 206; or Soc 307. 10-12 TuTh. Martin.

Soc 334. Social Psychology. 3 hours.

First four weeks, June 22-July 17. 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 Psy 201, 202. 8-10 MTuWTh. Berreman.

Soc 335. Social Psychology. 3 hours.

Second four weeks, July 20-August 14. 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 Psy 201, 202. 8-10 MTuWTh. Berreman.

Soc 407. Seminar: Theory and Research in the Family. (G) 3 hours.

Consideration of some of the major theoretical approaches and their research applications in the study of the family as an association and an institution. 1-3 M. Rodgers.

Soc 407. Seminar: Sociology of Leisure. (G) 3 hours.

Analysis of the impact of central social institutions, i.e., the economy, polity, family, and religion, on the patterns of use of nonwork time in society and visa versa. 8-10 W. Johannis.

Soc 421. Social Change. (G) 3 hours.

Analysis of the processes, characteristics, and conditions of change in large social systems. Systematic examination of various theoretical problems and formulations. Prerequisite: 9 hours in sociology. 2 MTuWTh. Bisno.

Soc 440. Group Dynamics. (G) 3 hours.

Analysis of the dynamics of group interaction through readings and experimentation in the classroom setting. Prerequisite: Soc 334 and consent of instructor. 8-10 TuTh. Johannis.

Soc 507. **Seminar: Propaganda and Social Control.** 3 hours.

Examination of the principles and techniques of indoctrination and propaganda; their uses as means of controlling behavior through the control of ideas and attitudes. 1-3 W. Berreman.

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

The background and perspectives of each of the social-science disciplines—anthropology, economics, political science, psychology, and sociology. Selected aspects of social organization and process considered in detail. 8-10 MTuWTh. Tope, Campbell, Fosmire, A. Smith.

Speech

Visiting Faculty: DE CHAINE.

Professors: ROBINSON, WOOD.

Associate Professors: KRETSINGER, MONTGOMERY, NOBLES, SHEPHERD.

Assistant Professors: CHRISTENSEN, CUTLER, PECK.

Instructor: WILE.

TV Technician: MURPHY.

Sp 111. **Fundamentals of Speech.** 3 hours.

Projects in extempore speaking. Primary emphasis on content and organization of speeches and adjustment to the speaking situation. 8 MTuWTh. Montgomery.

Sp 261, 262, 263. **Theater Principles.** 3 hours.

The physical stage; the mechanics of its stage and shops; planning and construction of stage settings; principles of stage lighting. 10 MTuWTh. Peck.

Sp 264, or 265, or 266. **Production Workshop.** 3 hours.

Practical experience in the construction, painting, and handling of scenery and in the lighting of plays. 1 MTuWTh. Peck.

Sp 311. **Advanced Interpretation.** 3 hours.

Instruction in the discovery and oral expression of meaning and feeling in prose, poetry, and dramatic literature. 11 MTuWTh.

Sp 351. **Technique of Acting: Voice.** 3 hours.

Problems in the use of voice in dramatic roles. 9 MTuWTh.

Sp 365. **Direction of Children's Theater.** 3 hours.

History and objectives of the theater for child audiences; study of existing children's theater programs; techniques of directing and producing plays for and by children. 1 MTuWTh.

Sp 370. **Phonetics.** 3 hours.

Study of sounds used in speech; the production, symbolic nature, and determination of sounds; physical and psychological problems involved in sound perception. 11 MTuWTh. Montgomery.

Sp 371. **Speech Science.** 3 hours.

A study of the anatomy, psychology, and physics of speech. 9 MTuWTh. Wood.

Sp 424. **Speech Forms and Techniques in Group Control.** (g) 3 hours.

Forms and techniques of public speaking as they relate to leadership in special situations: forums, symposiums, panels, parliamentary procedure; speeches to convince, inspire, actuate. Special attention to the needs of administrative personnel. Class will be conducted on a workshop basis. 9 MTuWTh. Montgomery.

Sp 438. **Contemporary Drama.** 1-2 hours.

- Sp 445. **Television Production.** (G) 3 hours.
Problems and procedures in television broadcast production. 1 MTuWTh. Shepherd.
- Sp 448. **Radio-Television and the Public.** (G) 3 hours.
The influence and importance of broadcasting as a social, political, and cultural force; the rights and duties of listeners. 11 MTuWTh. Shepherd.
- Sp 461. **Introduction to Scene Design.** (G) 3 hours.
Basic principles and techniques of theatrical design for the school and community theater. 11 MTuWTh.
- Sp 464. **History of the Theater.** (G) 3 hours.
An historical study of the theater from ancient times to the Renaissance. 10 MTuWTh. De Chaine.
- Sp 482. **Speech Pathology.** (G) 3 hours.
Symptoms, causes, and treatment of organic speech disorders, including deviations due to congenital malformation, injury, deafness, and neurological impairment. 1 MTuWTh. Wood.
- Sp 484, or 485, or 486. **Clinical Speech Therapy.** (G) 2-4 hours.
Supervised clinical work with speech defective children and adults enrolled for testing, counseling and treatment in the Speech and Hearing Clinic. (Write to Director, Speech and Hearing Clinic, University of Oregon, if you plan to register for this course in the summer session.) Christensen, Wood.
- Sp 488. **Audiology.** 3 hours.
The auditory function, hearing impairment, and the speech education or re-education of persons with hearing loss. 9 MTuWTh. Christensen.
- Sp 501. **Research.** Hours to be arranged.
- Sp 503. **Thesis.** Hours to be arranged.
- Sp 505. **Reading and Conference.** Hours to be arranged.
- Sp 507. **Seminar: Introduction to Graduate Study.** 3 hours.
9 MTuWTh. Shepherd.
- Sp 507. **Seminar: Psychology of Speech.** 3 hours.
10 MTuWTh. Wood.
- Sp 507. **Seminar: Interpretation.** 3 hours.
2 MTuWTh.
- Sp 507. **Seminar: Problems in the Teaching of Speech.** 3 hours.
Montgomery.
- Sp 507. **Seminar: Problems in Theatrical Production.** 3 hours.
- Sp 507. **Seminar: Oral and Written Discourse.** 5 hours.
Restricted to participants in Institute of Oregon Curriculum Study Center. 9 daily. Aly; consultant, Kitzhaber.
- Sp 507. **Seminar: Oral and Written Discourse.** 5 hours.
11 daily. Aly; consultant, Kitzhaber.
- Sp 508. **Workshop: Educational Television.** 4 hours.
June 15-June 26. 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. 8-5 daily. Kretsinger, Murphy, Wile.
- Sp 551. **Theory of Dramatic Production.** 3 hours.
Analysis and study of theory of acting. 8 MTuWTh. Robinson.

Summer Academy of Contemporary Arts

The sixth annual Summer Academy of Contemporary Arts will be held on the University campus during the 1964 summer session. A series of two-week courses devoted to various aspects of contemporary arts will be taught by distinguished lecturers and practicing artists. The focus of all courses will be on present trends and significant work since World War II; lectures will be supplemented by class discussions and observation. As a culminating part of each course, the artist-in-residence or commentator will present a public performance appropriate to his field.

Students may enroll for the complete Summer Academy program or for selected courses at the beginning of the summer session or at the beginning of each two-week course. The courses are open to auditors as well as students registered for credit. Each course carries 1 or 2 term hours of undergraduate or graduate credit. In all courses, a bibliography is furnished as a guide to the student's future reading. The fee for regular University credit or for audit is \$33.00 for each two-week session.

Some of the course lectures are scheduled from 3:00 to 4:00 p.m. Monday through Thursday, with discussion periods from 4:00 to 5:00 p.m. on the same days; other lectures are scheduled from 1:00 to 2:00 p.m., with discussion periods from 2:00 to 3:00 p.m.

All Summer Academy lectures are open to the public. The fee for visitors is \$8.00 for each two-week session; tickets will be on sale at the door or at the University Business Office. Visitor's comments or questions are welcome during the question sessions. No distinction in seating is made between auditors, regularly enrolled students, and visitors.

For further information see the Summer Academy brochure, which will be furnished on request to the Summer Session Office.



TWO SESSIONS
11-Week
June 22-Sept. 7
8-Week
June 22-August 11

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