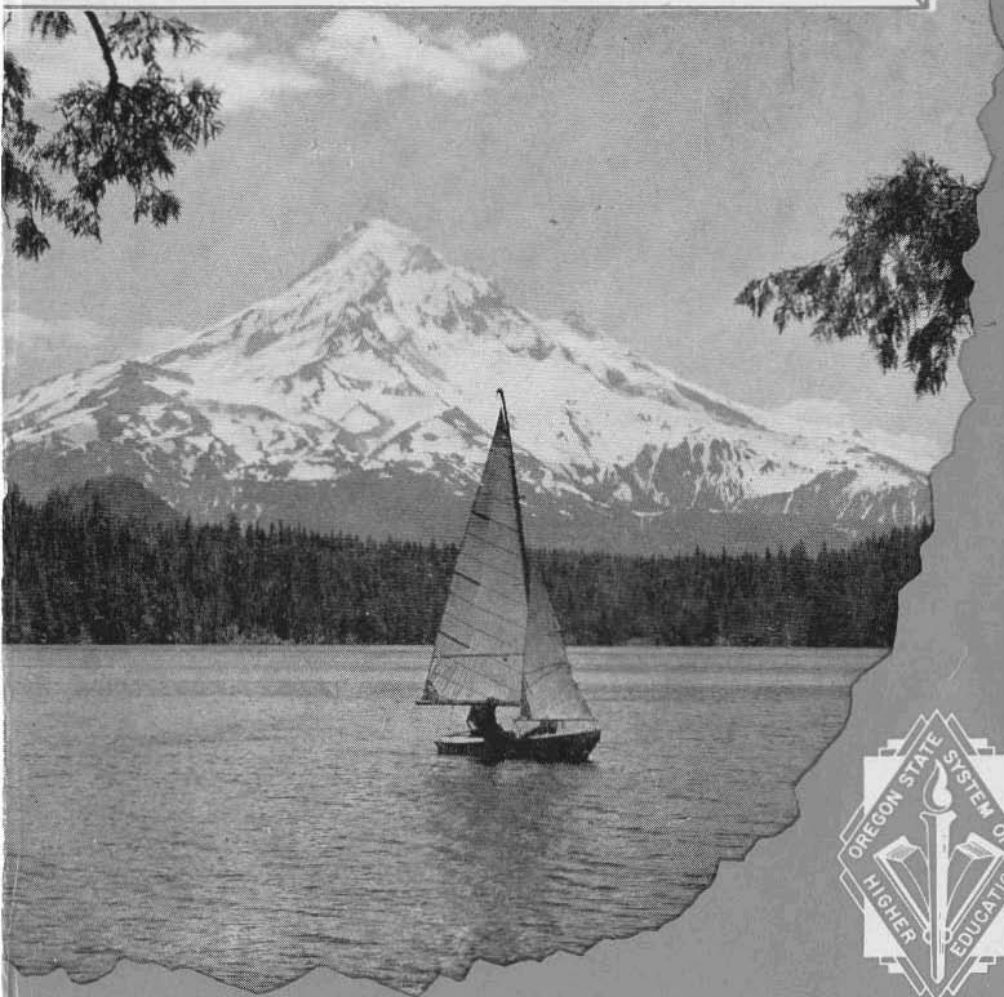


General Extension Division

BULLETIN



**PORTLAND
SUMMER SESSION**

1953

June 22 – August 14

**General Extension Division
BULLETIN**

Eugene Series, Number 26

April, 1953

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**General Extension
Division**

BULLETIN

Portland Summer Session

Eight-Week Session

June 22-August 14

Summer Session 1953

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Oregon State System of Higher Education

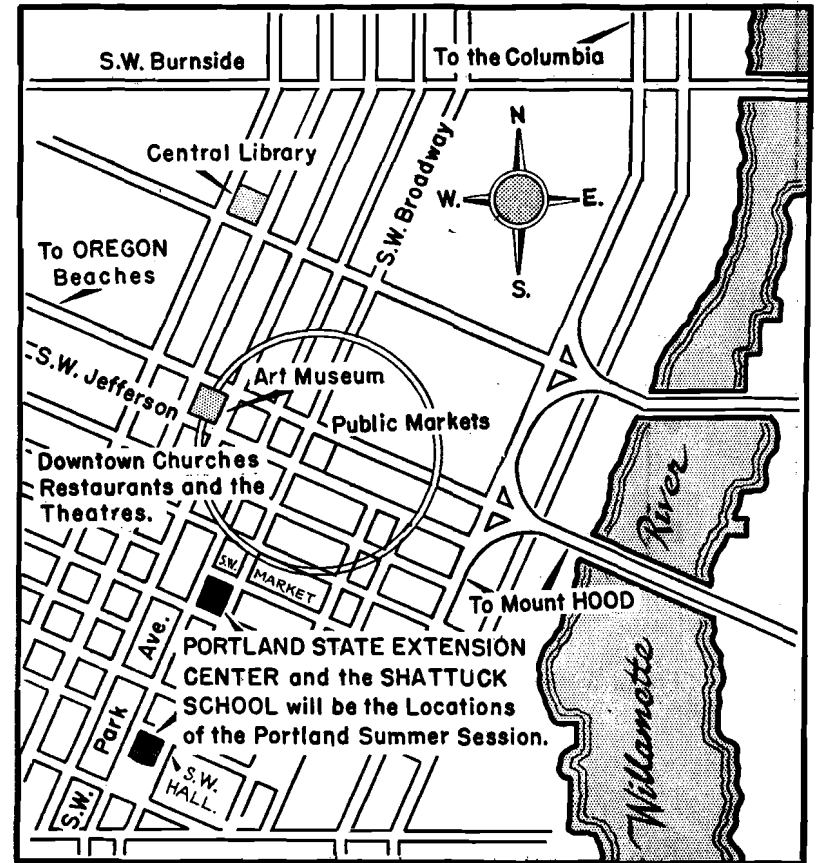
The Oregon State System of Higher Education, as organized in 1932 by the State Board of Higher Education following a federal survey of higher education in Oregon, includes all the state-supported institutions of higher learning. The several institutions are now elements in an articulated system, parts 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 College at Corvallis, the Oregon College of Education at Monmouth, the Southern Oregon College of Education at Ashland, and the Eastern Oregon College of Education at La Grande. The University of Oregon Medical School, the Portland State Extension Center, and the University of Oregon Dental School are located in Portland.

Each of the five institutions provides the general studies fundamental to a well-rounded education. At the three colleges of education general and professional studies are combined in the teacher-training curriculum; students who do not plan to become elementary-school teachers may devote their time exclusively to lower-division studies in the liberal arts and sciences or (at Southern Oregon and Eastern Oregon colleges of education) to approved lower-division programs in semiprofessional fields.

At the University and the State College two years of unspecialized work in liberal arts and sciences are provided on a parallel basis in the lower division. 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.

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



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 Office of the State Board of Higher Education
 Eugene, Oregon

1953

Portland Summer Session Calendar

- June 15-19, *Monday to Friday*, Preregistration.
- June 22-24, *Monday to Wednesday*, Registration.
- June 23, *Tuesday*, Classes begin.
- June 24, *Wednesday*, Last day to register without late fee.
- June 25, *Thursday*, Last day to change program without fee.
- June 29, *Monday*, Last day to register or to make program changes.
- July 8, *Wednesday*, Graduate Qualifying Examination, School of Education, Oregon State College, and Colleges of Education.
- July 10-11, *Friday and Saturday*, Graduate Qualifying Examination, School of Education, University of Oregon.
- August 13-14, *Thursday and Friday*, Final examinations.
- August 14, *Friday*, Portland Summer Session ends.

NOTE: Registration for all courses of less than eight weeks will be taken no later than the third day of the course. Late registration is not permitted in such courses.

JUNE							JULY							AUGUST						
S	M	T	W	Th	F	S	S	M	T	W	Th	F	S	S	M	T	W	Th	F	S
	1	2	3	4	5	6			1	2	3	4	2	3	4	5	6	7	8	
7	8	9	10	11	12	13	5	6	7	8	9	10	11	9	10	11	12	13	14	15
14	15	16	17	18	19	20	12	13	14	15	16	17	18	16	17	18	19	20	21	22
21	22	23	24	25	26	27	19	20	21	22	23	24	25	23	24	25	26	27	28	29
28	29	30					26	27	28	29	30	31		30	31					

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cation.

ELMO NALL STEVENSON, Ed.D.
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lege of Education

FRANK B. BENNETT, Ed.D.
President, Eastern Oregon College
of Education

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BESS TRESSLER, B.A. and B.S. in L.S. Head of Orders Department
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HIGH SCHOOL-COLLEGE RELATIONS

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1953

Portland Summer Session

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JOHN FRANCIS CRAMER, D.Ed., Dean, General Extension Division.
JAMES C. CAUGHLAN, Ph.D., Assistant Dean, General Extension Division; Director,
Portland Summer Session.

Administrative Staff

STEPHEN E. EPLER, Ph.D., Director, Day Program, Portland State Extension Center.
ERRETT E. HUMMEL, D.Ed., Administrative Assistant, General Extension Division.
HOWARD IMPECOVEN, D.Ed., Registrar, General Extension Division.
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CLARK P. SPURLOCK, M.S., Acting Administrative Assistant; Graduate Adviser.
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Faculty

D. HOWARD BACKLUND, M.Ed., Instructor in Secretarial Science, General Extension
Division.
GRACE BENTALL, M.A., Consultant, Remedial Reading, Portland Public Schools.

- HAROLD W. BERNARD, Ph.D., Associate Professor of Education, General Extension Division.
- ROBERT W. BLAKELEY, M.S., Instructor, Speech Clinician, General Extension Division.
- ALDEN H. BLANKENSHIP, Ed.D., Superintendent of Schools, Tacoma, Washington.
- RUTH E. BOND, M.Ed., Instructor, Portland Public Schools.
- ROBERT D. BOYD, M.A., Chief Psychologist, Community Child Guidance Clinic, Portland.
- GEORGE S. BROWNE, M.A., Dip. Ed. (Oxon.), Professor of Education and Dean of the Faculty of Education, University of Melbourne.
- WILLIAM O. BUSCHMAN, M.Ed., Instructor in Mathematics, General Extension Division.
- ROBERT CAMPBELL, Ph.D., Assistant Professor of Economics, University of Oregon.
- KARLIN M. CAPPER-JOHNSON, M.A., Professor of History and International Relations, Lewis and Clark College.
- GERALD J. CASADY, M.S.W., Chief Social Worker, Community Child Guidance Clinic, Portland.
- PAUL V. COLLINS, B.S., Research Director, Oregon Education Association.
- RUTH CATHLYN COOK, Ph.D., Associate Professor of Education, State Teachers College, Mankato, Minnesota.
- WALFRED A. DAHLBERG, M.A., Associate Professor of Speech, University of Oregon.
- CARL E. W. L. DAHLSTROM, Ph.D., Assistant Professor of English, General Extension Division.
- JOHN O. DART, M.A., Instructor in Geography and Geology, General Extension Division.
- MYRTLE HOLTBY DAWSON, M.E., Doctoral Fellow (University of Washington), A.A.U.W. Oregon Division (1952).
- ROBIN A. DREWS, Ph.D., Instructor of Social Science, Michigan State College.
- WILL DRUM, J.D., Assistant Professor of Social Work, University of Oregon and General Extension Division.
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- JOSEPH W. ELLISON, Ph.D., Professor of History; Head of Department, Oregon State College.
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- GEORGE C. HOFFMANN, Ph.D., Associate Professor of History, General Extension Division.
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- C. WARREN HOVLAND, Ph.D., Associate Professor of Philosophy and Religion; Chairman of Department, Oregon State College.
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- HARRY L. KEATS, M.A., Supervisor of Special Education, Portland Public Schools.
- ERWIN F. LANCE, Ed.D., Associate Professor of Chemistry, General Extension Division.
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- SHERMAN P. LAWTON, Ph.D., Professor of Radio and Coordinator of Broadcasting Instruction, University of Oklahoma.
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- ECBERT S. OLIVER, Ph.D., Associate Professor of English, General Extension Division.
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- JOHN H. STEHN, M.S., Associate Professor and Head of Music Studies, General Extension Division.
- HENRY E. STEVENS, D.Ed., Professor of Education, General Extension Division.
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- JACK E. WRIGHT, M.F.A., Ceramic Technician, Marshall Studios, Veedersburg, Indiana.
- C. ROBERT ZIMMERMAN, B.A. in Mus. Ed., Conductor, Portland Symphonic Choir.

General Information

The thirty-sixth annual Portland Summer Session will provide day-time offerings of both graduate and undergraduate courses based upon the resources, the curricula, and the faculties of all the correlated schools which comprise Oregon's unified State System of Higher Education.

Particular emphasis is placed on elementary and secondary teacher education, but programs toward fulfillment of other educational objectives may be arranged from selections in the arts and sciences and the professional schools.

A student may earn 12 term hours of credit in the eight-week session. All such work may be counted as residence credit at the University of Oregon, at Oregon State College, or at one of the three Colleges of Education.

LOCATION. The Portland State Extension Center building is located at 1620 S. W. Park Avenue, Portland 1, Oregon. The telephone number is CApital 4251. All administrative offices and most classes are in this building. The office hours are from 9:00 a.m. to 4:00 p.m., except on Saturday when the closing time is 11:30 a.m.

Courses comprising the clinic program in education and speech will be held at Shattuck School, 1914 S.W. Park Avenue.

ADMISSION AND DEGREES. The only requirement for admission to the Portland Summer Session is ability to do the work. Students should submit transcripts only if continued full-time enrollment with the Portland State Extension Center is planned. Those students who seek degrees or certificates from one of the other units of the Oregon State System of Higher Education must satisfy the admission requirements prevailing for the school of their choice at the time such admission is granted.

Information concerning admission, advanced standing, transfer of credits, and graduation requirements may be obtained from Registrars of individual institutions within the State System.

ACADEMIC CREDIT LIMITATIONS. Twelve *term hours** is the general maximum of credit which a student may earn in the eight-week summer session. Undergraduates enrolling for certain combinations of courses may petition for permission to carry a maximum of thirteen hours. No exception to the twelve-hour rule is permitted in courses taken for graduate credit.

GRADUATE CREDIT. In the Portland Summer Session and the Portland State Extension Center, a graduate student may complete all work required for the Master of Education degree except twelve hours, which must be completed in residence either at the University of Oregon or on the Oregon State College campus. For the Master of Science in Education from one of the Colleges of Education, all work except twelve term hours may be done through

* Term hours (quarter hours) may be converted to semester hours by multiplying the number of term hours by $\frac{2}{3}$. Semester hours may be converted to term hours by multiplying the number of semester hours by $1\frac{1}{2}$.

the Portland State Extension Center and other departments of the General Extension Division. Under favorable circumstances all of the work for the Master of Arts in General Studies from Oregon State College may be completed in Portland. This degree is normally suited to those individuals whose interests and broad academic background make them eligible for graduate work spread over several major departments. A thesis is required.

Fifteen term hours of work toward the Master of Arts (departmental), Master of Science, or Master of Science in General Studies degree may be completed in Portland with the approval of the candidate's major department.

The Master of Education (M.Ed.) is regarded as a professional teaching degree and not necessarily as a research degree. No thesis or field study is required, but a thesis or field study is expected of majors in school administration. A well-integrated program is planned for each individual candidate in order to improve his educational service as a teacher, supervisor, or administrator. Each program embraces: (1) a common core of required courses; (2) an area of concentration which provides a complex of courses organized to meet the special interests and needs of the student. Both the qualifying and final examinations are written. Graduate work for the degree of Master of Education may be pursued with specialization in either the elementary or secondary fields. For the Master of Science in Education from one of the Colleges of Education, a core of eighteen professional hours and nine hours of general courses is included in the requirements. The foregoing patterns are based on the assumption that teaching is a developing profession which requires a properly organized series of carefully planned courses, together with some opportunity for elective work.

Graduate students enrolling in the Summer Session who wish to apply their Oregon credits toward advanced degrees at one of the institutions within the State System of Higher Education should make application for admission to the graduate school selected and take the qualifying examination* at the earliest opportunity.

GRADING SYSTEM. The grading system consists of four passing grades: *A*, *B*, *C*, *D*; failure, *F*; incomplete, *Inc.*; withdrawn, *W*. An *A* denotes exceptional accomplishment; *B*, superior; *C*, average; *D*, inferior. Students may withdraw from a course by filing the proper card in the Registrar's office within the stipulated time limit. A student who discontinues attendance in a course without official withdrawal receives a grade of *F*.

COURSE-NUMBERING SYSTEM. The courses in this catalog follow the course numbering system of the 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. Courses numbered 400-499 with a (*G*) following the title may be taken for either *major* or *minor* graduate credit. A (*g*) following the title of a 400 course indicates that the course is approved for graduate *minor* credit only. Strictly graduate courses are numbered 500-599.

* The qualifying examination for the M.Ed. degree with the University of Oregon is the *Graduate Record* examination. Candidates for the M.Ed. degree with Oregon State College and with the Colleges of Education must take the *Miller Analogies Test*. Both will be administered in Portland during the summer session at the times shown on the calendar.

For the convenience of the students using this catalog the letters *U*, *S*, *C*, and *E* appear in the left margin before course descriptions. The letter *U* refers to the University of Oregon, *S* to Oregon State College, *C* to the Colleges of Education, and *E* to the General Extension Division. These indicate that the accompanying course appears in the catalog of the institution designated and is a regular offering of that institution.

TEACHER CERTIFICATION PROGRAMS. The Portland Summer Session will offer undergraduate and graduate courses which will enable teachers to prepare for certification or for work toward advanced degrees. Required courses for either regular or emergency certification are available. Teachers and administrators seeking to fulfill the requirements for the various certificates, including certificates to teach handicapped children, or for administrator's certificates, should consult an adviser, or refer to *Oregon Rules and Regulations Governing the Certification of Teachers*, a publication of the Superintendent of Public Instruction, Salem, Oregon.

Facilities and Special Events

LIBRARIES. The Portland State Extension Center Library, located on the second floor of the Center building, will be open from 7:30 a.m. to 4:30 p.m. Mondays through Fridays, and on Tuesdays and Thursdays from 6:30 p.m. until 9:30 p.m.

In addition to the Portland State Extension Center Library, the Portland Central Library collection totaling more than three-fourths of a million volumes is available to Summer Session students. The Portland Central Library is located at 810 S.W. 10th Avenue. It is open from 9:00 a.m. to 9:00 p.m. daily, except Sunday, when the hours are 3:00 to 6:00 p.m.

TEXTBOOKS AND SUPPLIES. Instructors will announce the needed or required texts and supplies at the first meeting of their classes. These may be purchased from the Cooperative Bookstore located in the basement of the Portland State Extension Center Building.

HOUSING. The Portland Summer Session has no housing of its own, but an effort will be made to find accommodations for both faculty and students. Requests should be addressed to Mr. John F. Jenkins, 1620 S. W. Park Avenue, Portland 1, Oregon.

CAFETERIA. Breakfasts and lunches will be served in the cafeteria which with a snack and coffee bar is located in the basement of the Center building. The cafeteria opens for service at 7:30 a.m. Monday through Friday.

PUBLICATIONS. *The Summer Signal*, a weekly newspaper devoted exclusively to summer-session news and designed to provide practical experience in school journalism, is published by the Portland Summer Session for students and faculty.

ASSEMBLIES. Each Wednesday from 10:15 to 11:00 a.m. there will be an assembly in the auditorium. Programs will consist of music, plays, readings,

and addresses. The Wednesday morning class periods will be adjusted as follows:

8 o'clock classes.....	8:00 to 8:40
9 o'clock classes.....	8:45 to 9:25
10 o'clock classes.....	9:30 to 10:10
11 o'clock classes.....	11:15 to 11:55

RECREATION. Summer session students can enjoy the almost endless variety of Portland's metropolitan recreational facilities. Conveniently located parks and playgrounds, swimming pools, golf courses and tennis courts, theatres and musical events, the Portland Art Museum, and excellent library services are available. In addition, Portland offers very easy access to the beautiful beaches of the famed Oregon Coast, and to the alpine resorts in the surrounding mountain ranges. A summer session recreational program, including organized trips and other activities, will be directed by the staff.

Fee Schedule

The Summer Session registration fees are as follows:

Full-Time Students—7 credit hours or more.....	\$55.00
Part-Time Students—(For 6 credit hours or less) per credit hour.....	7.00
1 credit hour.....	\$14.00
2 credit hours.....	14.00
3 credit hours.....	21.00
4 credit hours.....	28.00
5 credit hours.....	35.00
6 credit hours.....	42.00
Minimum charge for 1 or 2 credit hours for any student.....	14.00

Auditors pay same fees as other students.

Short Courses and Workshops—Follow schedule for part-time students according to credit or load.

Late Registration Fee, due after June 24—per day, excluding Saturdays and Sundays.....	1.00
Change of Program Fee, assessed beginning June 26 (for short courses, after first 3 classes).....	1.00

Special Fees:

Examination fee for graduate students not enrolled.....	10.00
Graduate qualifying examination fee.....	\$1.00 to 15.00
Transcript fee.....	\$.50 to 1.00
(First transcript of credits is issued free to any student. For any transcripts issued after the first, a fee of \$1.00 is charged for the first copy, and \$.50 for each additional copy.)	

Staff fee—Per credit hour.....	3.00
(Available only to full-time employees, academic and non-academic, upon approval of Dean's office. Maximum of four credit hours. All fees and the maximum credit hour enrollments may be waived for retired employees; for staff members on leave the maximum credit hour limitation may be waived but the fee is not waived.)	

The State Board of Higher Education reserves the right to change the schedule of fees without notice.

Fee Refund Schedule

Students whose official withdrawal from the summer session has been completed in the Registrar's office are entitled to certain refunds of registration fees paid, depending on the time of withdrawal. The refund schedule is as follows:

Withdrawal before close of business June 25—Refund of registration fees over.....	\$ 5.50
Withdrawal between June 26 and July 3.....	Refund of registration fees over 13.75
Withdrawal between July 6 and July 17.....	Refund of registration fees over 27.50
Withdrawal after July 17.....	no refund
Withdrawal from courses of less than eight weeks—refunds according to ratio shown for eight weeks.	

Refunds in all cases are calculated from the date of application for the refund and not from the date the student ceased attending classes. Claims for refunds must be made in writing.

Library Fines and Charges

The following rules govern Library fines and charges:

(1) No fines will be assessed for failure to return general seven-day or two-week books promptly, but a maximum fine of one dollar per day may be imposed at the discretion of the Librarian for failure to return books urgently needed.

(2) A fine of twenty-five cents per hour for the first hour a reserve book is overdue, and five cents per hour for each additional hour, or fraction thereof, will be assessed until the book is returned. In no case, however, will a fine of more than five dollars be assessed.

(3) A service charge of ten cents will be added to all fines reported to the Business Office for collection.

(4) Lost books will be charged to the borrower at the replacement cost plus the amount of fine incurred up to the time the book is reported missing. In addition, the borrower will be assessed a service charge of fifty cents.

(5) When a book which has been billed as lost is returned before a replacement has been ordered a refund equal to the replacement cost of the book will be made. If replacements have been purchased for lost books, a refund may or may not be made at the discretion of the Librarian.

Grade reports and transcripts will be withheld from students whose library records are not clear.

Procedures for Veterans

The following procedures have been arranged to facilitate the enrollment of veterans, and to establish their eligibility for continued educational benefits under the World War II G.I. Bill (PL 346), or under the "Korean" G.I. Bill (PL 550).

World War II G. I. Bill (PL 346)

Veteran-teachers who have been enrolled in the previous summer session in the same school, and in the same course, and who have not been enrolled in some other institution since last summer, may be certified to the Veterans Administration for training on VA Form 1909 (Certificate of Re-entrance into Training) provided the

veteran furnishes for attachment to the Form 7-1909, a statement signed by the appropriate official of a school board or system, certifying that the veteran was employed as a teacher the preceding ordinary school year and also stating the beginning and ending dates of the school year. The ordinary school year is considered to be from September or October to May or June, and the summer school enrollment must be for a term of at least five weeks duration. The veteran must be actually enrolled and in attendance a minimum of five weeks in order to retain eligibility for subsequent summer school enrollment. The Veterans Administration accepts a minimum of 9 term hours (and 12 class sessions per week) as constituting full-time enrollment for PL 346 veterans in the summer session.

Veteran-teachers presenting a 7-1953 Certificate of Eligibility and Entitlement authorizing enrollment for the summer term will not be required to furnish the statement mentioned above.

"Korean" G. I. Bill (PL 550)

Students who wish to avail themselves of educational benefits under the terms of this bill should present their discharge papers and establish their eligibility through the Veterans Administration Regional Office, 208 Southwest 5th Avenue, Portland 4, Oregon. The process should be initiated as early as possible since two months may elapse before authorization is granted. Full time enrollment for PL 550 veterans is 10 or more term hours in the summer session.

Other General Extension Services

The General Extension Division is the agency of the Oregon State System of Higher Education by which the University of Oregon, Oregon State College, and the three Colleges of Education serve the people of Oregon through residence extension classes, short courses, correspondence study, visual instruction, radio programs, summer sessions, and special activities.

PORTLAND STATE EXTENSION CENTER. The instructional program of the fall, winter, and spring terms of the Portland State Extension Center consists of both day and night classes.

The day program offers lower-division work for full-time students. Entrance requirements, instructional programs, and co-curricular activities are similar to those offered full-time students on the freshman and sophomore levels on other campuses of the Oregon State System of Higher Education.

The night program offers approximately 250 courses in over 30 departments and professional schools. Both graduate and undergraduate classes are scheduled, and the work of these classes is of standard college or university grade.

DEPARTMENT OF STATE-WIDE SERVICES. These services consist of State-Wide classes and Correspondence Study courses. Any community in Oregon may become an extension class center if a satisfactory meeting place is provided and sufficient enrollment is guaranteed to cover actual operating cost. Students may find a schedule of correspondence courses through which to continue their program of study when not in residence.

VISUAL INSTRUCTION. The Department of Visual Instruction of the General Extension Division provides glass and film slides, microscopic slides, and motion picture films suitable for educational use by schools, community clubs,

and other organizations. A special catalog is published listing the materials available. This department is maintained jointly by the General Extension Division and the Federal Cooperative Extension Service.

RADIO STATION KOAC is Oregon's public-owned station of which the State Board of Higher Education is the managing agency. The station is located at Corvallis, on the campus of Oregon State College, the licensee and operator of the physical plant. The General Extension Division of the State System of Higher Education directs the program service. Program talent is drawn from Oregon State College, the University of Oregon, the Oregon Colleges of Education, and from various departments of the state government. In addition, many other public agencies, organizations, and individuals contribute to broadcasts. The station, established in 1925, is operated in the interest of the Oregon public. The programs are free from commercialism. KOAC operates with 5,000 watts power on a frequency of 550 kilocycles by authority of the Federal Communications Commission. Announcements of radio programs are issued periodically and will be furnished on request. Studios are located at Corvallis, Eugene, Monmouth, Salem, and in the Portland State Extension Center Building.

1953

Portland Summer Session

Description of Courses

Anthropology

Visiting Faculty: DREWS, VOGET.

- (U) Anth 209. **Introduction to Cultural Anthropology.** (Third Term). 3 hours.
A comparative study of culture from the standpoint of the varying emphases placed upon different aspects of the total culture. Cultural patterning in terms of the elaboration of major and minor interests. Brief sketches of selected native cultures illustrating the diversity of value systems. Drews. MWThF, 9:00 a.m., Room 309.
- (U) Anth 452. **Cultural Dynamics: Cultures in Conflict.** (G) 3 hours.
The contact of peoples and their cultures; directed and undirected change in society and culture; cultural disintegration and reintegration; problems arising from the spread of modern industrial culture. Prerequisite: Upper-division standing or consent of instructor. Voget. MWThF, 9:00 a.m., Room 201.
- (U) Anth 507. **Seminar: Culture and Personality.** 3 hours.
The relation of individuals to their social and cultural environment; significance of culture for the development of personality as revealed by a comparative study of American Indian and other "folk societies." Prerequisite: Graduate standing. Voget. TuWThF, 8:00 a.m., Room 201.
- (U) Anth 507. **Seminar: Peoples of the Pacific Rim.** 3 hours.
Study of the people adjacent to the Pacific ocean. Their ethnic differences and economic and cultural development. Prerequisite: Graduate standing. Drews. TuWThF, 8:00 a.m., Room 309.

Art

Instructors: FOSTER, SCHUKART. Visiting Faculty: GARRISON, McLARTY, WRIGHT.

- (C) A 211. **Art Structure I.** 3 hours.
The elements of design, color, and representation as they are related to the needs of the student. Creative work is stressed, the student receiving actual experience in different media. Garrison. MWThF, 9:00 a.m., Room 316.
- (C) A 212. **Art Structure II: Design.** 2 hours.
Principles of design, structural and decorative; application through various media; foundation material for design in school work. Prerequisite: A 211. Schukart. MTuThF, 10:00 a.m., Room 316.
- (C) A 217. **Lettering.** 1 hour.
Lettering, including a study of historic styles such as Roman, Gothic, Old English, as well as the modern decorative, manuscript, and poster types. Foster. TuTh, 1 p.m., Room 316.
- (C) A 218. **Creative Crafts for Children.** 3 hours.
Creative problems developed in the course involve inexpensive materials. Discus-

sion of types of problems suitable for children of varying degrees of mental, physical, and social maturity. Opportunities for experimenting with such media as paper, yarn, cardboard, clay, wood, and textiles. Garrison. TuWThF, 8:00 a.m. Room 316.

(U) AA 255. **Lower-Division Ceramics.** 3 hours.

Survey of ceramic materials and processes; preparation of clays and glazes; study of contemporary form, color, and texture; firing techniques as related to materials; stacking and drawing the kiln; observation of firing. June 22 to July 31. Wright. MTuWTh, 1:00-4:00 p.m., Art Museum.

(U) AA 290. **Lower-Division Painting.** 3 hours.

Instruction in the use of oil color, water color, and other media. June 22—July 31. McLarty. MTuWTh, 9:00 a.m. to 12:00 m., Art Museum.

(C) A 311. **Art Structure III.** 3 hours.

Evaluation of the various approaches to the creative-art experiences made possible in the flexible course of study. Lectures, reading, and discussions deal with recent trends of art expression relative to the individual needs at various levels from primary through the junior high schools. Prerequisite: A 211, 212, or consent of instructor. Schukart. MTuWTh, 2:00 p.m., Room 316.

(C) A 352. **Art in Environment.** 2 hours.

Study and class participation in flower arrangement, classroom decoration; analysis of color, texture, and line applied to clothing; discussion of home and civic improvements related to daily life. Schukart. MWF, 12:00 m., Room 316.

See the following listed under Education:

(C) Ed. 408. **METHODS AND RESEARCH MATERIALS: ART.** (G) 3 hours. Garrison.

Business Administration

Instructor: HINDS. Visiting Faculty: RICHINS.

(U) BA 111, 112, 113. **Constructive Accounting.** 3 hours each.

Technique of account construction; preparation of financial statements. Application of accounting principles to practical business problems. Required of majors; prerequisite to advanced work in business. Hinds. MTuWTh, 9:00 a.m. to 12:00 m., Room 305.

(U) BA 407. **Seminar: Personnel Management.** (G) 3 hours.

Specific personnel problems will be studied at various organizational levels. Each student is given an opportunity to suggest solutions and group solutions will be attempted through class discussion. Sound personnel practices will be stressed. Richins. MTuWTh, 12:00 m., Room 102.

(U) BA 422. **Problems in Business Education.** (G) 3 hours.

Examination of current literature and text materials. Work-experience programs; standards of achievement; guidance programs; placement and follow-up; in-service training for teachers; business entrance tests; evaluation of current methods; auditory and visual aids. Prerequisite: consent of instructor. Richins. MTuWF, 11:00 a.m., Room 102.

(U) BA 425. **Real-Estate Fundamentals.** (G) 3 hours.

Problems relating to the purchase, transfer, lease, and financing of land and buildings; home building, site selection, principles of house-and-lot evaluation. Open to nonmajors. Richins. TuWThF, 8:00 a.m., Room 109.

Secretarial Science

Instructor: BACKLUND.

(S) SS 121. **Typing.** 2 hours.

For individuals with no typing or some typing background, study of keyboard technique, dictation exercises, numbers, vertical and horizontal spacing, centering, letter placement and addressing envelopes, speed and accuracy drills, and straight copy writing. Individual attention to all typing problems. Daily, 12:00 m., Room 306.

(S) SS 122, 123. **Typing.** 2 hours each.

Writing paragraphs, punctuation and mechanical arrangement of business correspondence, legal forms, tabulating, manifold, and speed practices. Daily, 1:00 p.m., Room 306.

Driver Education

Visiting Faculty: NEYHART.

(S) IE 412. **Driver Education and Training.** 3 hours.

A one-week course, August 17 to 21, in driver education. A basic course for preparation of teachers to conduct driver-training courses in high schools. Actual behind-the-wheel instruction in a dual-control car supplied under the sponsorship of the American Automobile Association and the State Department of Education. Prerequisite: senior or graduate standing and teaching experience. Daily, 8:00 a.m. to 12:00 m., and 1:00 to 5:00 p.m., Room 2.

(S) IE 507. **Seminar: Advanced Course in Driver Education.** 3 hours.

A one-week course, August 24 to 28. Designed especially for individuals who have completed the basic course and wish advanced training. Neyhart. Daily, 8:00 a.m. to 12:00 m., and 1:00 to 5:00 p.m., Room 2.

Economics

Visiting Faculty: CAMPBELL.

(U) Ec 201. **Principles of Economics.** (First term) 3 hours.

Principles that underlie production, exchange, distribution, etc. Prerequisite: Sophomore standing or consent of instructor. MTuThF, 10:00 a.m., Room 318.

(U) Ec 416. **Economics of American Industry.** (G) 3 hours.

Industrial organization, market structure, competitive behavior, and price determination in representative American industries. MTuWF, 11:00 a.m., Room 318.

Education

Professors: CAUGHLAN, EPLER, SPALDING, STEVENS. Associate Professors: BERNARD, FRANCHERE, MOORHEAD, PHELPS, SCHULZ. Assistant Professors: GIBB, HUMMEL, LEAVITT. Instructors: GREENSLADE, LARIVIERE. Visiting Faculty: BENTALL, BLANKENSHIP, BOYD, BROWNE, COLLINS, COOK, DUNLOP, CAMBRILL, L. GARRISON, K. GARRISON, GOODMAN, HOEL, HOVLAND, KEATS, LAWTON, LUDWIG, MERRILL, MILLER, NEWHOUSE, PALMQUIST, PETERS, REED, SANTEE, SCHOEPPLE, TAYLOR, WARNER, WILLIAMS.

(U) Ed 311. **Secondary Education in American Life.** 3 hours.

Development and status of secondary education as an American institution; social and psychological bases; objectives, functions, programs, curricula, and courses;

personnel work and other responsibilities of teachers. Gibb. TuWThF, 1:00 p.m., Room 204.

(U) (S) (C) Ed 312. **Educational Psychology.** 3 hours.

Physical, mental, emotional, and social development as bases for learning; educationally significant individual and group differences; learning and factors affecting learning. Goodman. TuWThF, 8:00 a.m., Room 210.

(U) Ed 313. **Principles of Teaching.** 3 hours.

Study of the actual classroom teaching process, including classroom organization and management, planning teaching units, evaluating pupil learning, and similar problems. Bernard. MTuWTh, 12:00 m., Room 111.

(U) Ed 316. **Oregon School Law and System of Education.** 2 hours.

Analysis of the Oregon school system and the laws on which the system is based. Problems of Oregon schools, plans proposed for their solution, and trends in educational development in the state. Collins. MWF, 11:00 a.m., Room 113.

(E) Ed 331. **The Crippled and Low-Vitality Child.** 3 hours.

Planned to acquaint the teacher with the various physical handicaps of children; how to recognize them; their medical treatment; the child's reaction to his handicap; the teacher's approach to the child. Miller. MTuWTh, 9:00 a.m., Room 111.

(C) Ed 344, 345, 346. **Physical Education in the Elementary Grades.** 1 hour ea.

Theory and practice in rhythm; singing games, group and folk dancing; stunts, games, self-testing activities, tumbling; materials; planning and evaluating program with reference to basic principles of physical education. Students who have had none of the courses in the sequence must register for all three. Greenslade. TuWThF, 8:00 a.m., Gymnasium.

(C) Ed 351. **Health Education.** 2 hours.

Teaching of health education with emphasis on health knowledge, health attitudes, and health habits of school children, and the development of a health-service program. Special study of the state health-education program. Prerequisite: Sc 101, 102, 103; H 150, or consent of instructor. Greenslade. MTuWF, 11:00 a.m., Room 2.

(C) Ed 354. **Introduction to Education.** 3 hours.

Introduction to the field of education, including a historical survey of the American public-school system; the importance of public education to the life of the republic; the relation of the school to other social agencies; the relationship of education to other professions; the opportunities for service in the principal fields of educational work; current issues in American education; and the desirability of having a working philosophy of education. Gibb. TuWThF, 1:00 p.m., Room 204.

(C) Ed 358. **Primary Education.** 4 hours.

Principles and procedures of curriculum for primary grades; the young child studied in relation to home, primary school, and other agencies in the community. Designed to acquaint students with modern teaching procedures and materials, and to provide opportunity for application of sound psychological principles to guidance of children's learning. Class discussion, observation in the training schools, and organization of teaching materials. Prerequisite: Ed 354, Psy 201, or consent of instructor. Dunlop. Daily, 10:00 a.m., Room 110.

(C) Ed 359. **Intermediate and Upper-Grade Education.** 4 hours.

Principles and procedures of curriculum for intermediate and upper grades. De-

signed to acquaint students with modern teaching procedures and materials and to provide opportunity for application of sound psychological principles to guidance of children's learning. Class discussion, observation in the training schools, and organization of teaching materials. Prerequisite: Ed 354, Psy 201, or consent of instructor. Dunlop. Daily, 1:00 p.m., Room 110.

(C) Ed 380. **Elementary-School Library.** 2 hours.

Organization, administration, and development of the elementary-school library, including instruction in simple methods of handling essential technical, mechanical, and business processes; the care and repair of books, evaluation of reference materials useful for both teacher and children; stimulation of wider use of books for study and recreation; utilization of the library resources of Oregon, and service of the school library to the community. LaRiviere. MWF, 9:00 a.m., Room 203.

(U) (S) Ed 405. **Reading and Conference.** Terms and hours to be arranged.

(U) Ed 407, 507. **Seminar: School Health Problems.** 3 hours.

Application of the problem-solving approach to improve situations affecting health which are frequently found in the school. A delineation of the responsibility of and cooperation between the teacher, nurse, and the school administration. Consultants in special areas will participate. Open to teachers and nurses in the non-urban areas. Palmquist and others. (July 13 to July 24). Daily, 12:30 to 4:30 p.m., Room 203.

(E) Ed 407s. **Seminar: Parent-Teacher Organization.** 2 hours.

A one-week course, August 17 to 21, presenting problems, techniques, and projects of the parent-teacher movement. Emphasis placed on what the home expects of the school; what the school expects of the home; what the child needs of both; the role of the PTA in fostering close and effective home-school-community cooperation. Current source materials and parent-teacher practices and programs will be examined. Special problems facing both beginning and experienced teachers will be studied. Moorhead. Daily, 9:30 a.m. to 12:00 m. and 1:00 to 3:00 p.m., Room 111.

(C) Ed 408. **Methods and Research Materials: Art.** (G) 3 hours.

An advanced art workshop-type course for elementary teachers. Problems, selected on the basis of the needs of the students, stress creative expression in relation to child growth and development. Garrison. MTuWF, 11:00 a.m., Room 316.

(C) Ed 408. **Methods and Research Materials: Arithmetic.** (G) 3 hours.

Problems and methods in selecting and organizing materials for teaching arithmetic. Emphasis for graduate students will be placed upon recent research and literature dealing with instructional materials, methods, and facilities, including the completion of a special project. Hoel. MWF, 9:00 a.m., Shattuck School.

(C) Ed 408. **Methods and Research Materials: Elementary School Science.** (G) 3 hours.

Problems and methods in selecting and organizing materials for teaching elementary school science. Emphasis for graduate students will be placed upon recent research and literature dealing with instructional materials, methods, and facilities, including the completion of a special project. Warner. MTuWF, 11:00 a.m., Room 301.

(C) Ed 408. **Methods and Research Materials: Geography.** (G) 3 hours.

Problems and methods in selecting and organizing materials for teaching geography. Emphasis for graduate students will be placed upon recent research and lit-

erature dealing with instructional materials, methods, and facilities, including the completion of a special project. Newhouse. MWThF, 9:00 a.m., Room 204.

- (C) Ed 408. **Methods and Research Materials: Language Arts.** (G) 3 hours.
Problems and methods in selecting and organizing materials for teaching language arts. Emphasis for graduate students will be placed upon recent research and literature dealing with instructional materials, methods, and facilities, including the completion of a special project. Reed. MTuThF, 10:00 a.m., Room 203.
- (C) Ed 408. **Methods and Research Materials: Elementary Music.** (G) 3 hours.
Problems and methods in selecting and organizing materials for teaching music. Emphasis for graduate students will be placed upon recent research and literature dealing with instructional materials, methods, and facilities, including the completion of a special project. Schoepfle. MTuWTh, 12:00 m., Room 108.
- (U) Ed 409. **Psycho-Educational Clinic.** (G) 3 hours.
Practice, under supervision, in diagnostic and remedial treatment of learning disabilities of elementary and high school pupils. Clinic work will be limited to the diagnosis and correction of reading and speech disabilities. Prerequisite: Ed 465; Sp 481. Phelps, Bentall. MTuWF, 10:00 a.m. or 1:00 p.m., Shattuck School.
- (C) Ed 415. **Supervised Teaching. (Elementary).** 3 hours.
Opportunity to make actual adjustment to schoolroom situations; to make application of principles laid down; to develop skill in the technique of teaching and of classroom management. Sections will be organized: (1) for new elementary teachers under contract with the Portland Public Schools. (2) a limited number of local residents who have achieved third year standing. Applications must be filed in advance. Leavitt. Daily, 8:30 a.m. to 12:30 p.m., Shattuck School. Seminar: Monday, 1:00 to 3:00 p.m., Room 103, PSEC building. Conferences to be arranged after every visitation. See Ed 493.
- (U) Ed 415. **Supervised Teaching. (Secondary).** 3 hours.
Supervised experience in the many phases of high-school teaching. Discussion of problems confronted by the student while teaching. Selection will be made from written applications filed in advance with the Director of the Portland Summer Session. Hours to be arranged.
- (C) Ed 418. **Elementary Tests and Measurements.** (G) 3 hours.
Presentation of standardized tests in various subjects in the elementary schools and in group intelligence tests, the general principles of classroom test making, and practice in administering, scoring, and interpreting various tests given in the elementary school. Schulz. MTuWTh, 12:00 m., Room 205.
- (U) 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. Simple statistics of test interpretation. Schulz. MTuWTh, 12:00 m., Room 205.
- (E) Ed 429. **Use of Social-Agency Resources by Teachers.** (See Soc 407, 507).
- (U) (C) Ed 435. **Audio-Visual Aids.** (G) 3 hours.
The development and use of audio-visual aids in education. Historical background, psychological and educational principles, and experimental studies. Emphasis on actual learning situations in which radio, recordings, film slides, film strips, pictures, etc., are used. Sources of materials and equipment; administration of pro-

gram. Laboratory hours to be arranged. Two sections: Section 1, MTuWF, 11:00 a.m., Room 105, Merrill. Section 2, TuWThF, 8:00 a.m., Room 105, Lawton.

- (U) Ed 440. **History of Education.** (G) 3 hours.
A general review of the growth and development of education. Emphasis on the educational legacy of the past. Consideration of the problems confronting education now and in the future. Browne, MWThF, 9:00 a.m., Room 110.
- (E) Ed 450. **Radio Education (Television).** (G) 3 hours.
A study of the use of radio and television as instruments of education. The course includes discussion, demonstrations, reports, and lectures on the place of radio and television in education; philosophy of radio and television education; planning and supervising the school use of radio and television; organizing the school and community for selection and use of programs; evaluating instruction by radio and television; objectives in developing discrimination; possibilities of future developments. Merrill. MTuThF, 10:00 a.m., Room 105.
- (C) Ed 458. **Advanced Primary Education.** (G) 3 hours.
Planned for experienced teachers or those specializing at the primary level. Effectiveness of techniques; materials and their evaluation; solving of problems growing out of actual experience. Provides opportunity for special individual and group study in chosen areas of the primary school and construction of actual materials in relation to scientific procedures and professional goals. Prerequisite: Ed 358, teaching experience, or consent of instructor. Reed. TuWThF, 8:00 a.m., Room 203.
- (U) Ed 460. **Psychology of Childhood.** (G) 3 hours.
The facts and principles of child behavior and development from conception to adolescence. Not open to students who have completed Psy 411. Prerequisite: general psychology or consent of instructor. Garrison. MTuThF, 10:00 a.m., Room 212.
- (U) Ed 461. **Adolescence: Growth and Development of the Individual.** (G) 3 hours.
Processes through which the normal human being reaches maturity, acquires effective use of his bodily equipment and learning capacity, and makes satisfactory personal and social adjustments. Not open to students who have completed Psy 412. Garrison. MTuWF, 11:00 a.m., Room 209.
- (U) Ed 462. **Psychology of Exceptional Children.** (G) 3 hours.
Survey of characteristics and problems of all types of exceptional children, with special emphasis on those with sensory handicaps; consideration of essential educational adaptations. Required for special education certificate and should be taken as a prerequisite for other courses in special education. Keats. MTuThF, 9:00 a.m., Room 106.
- (U) Ed 463. **The Maladjusted Child.** (G) 3 hours.
Lectures and discussion relating to the mechanisms underlying maladjustment. Basic principles will be studied which show the interrelation of emotional, mental, and physical problems. Casady. TuWThF, 8:00 a.m., Room 110.
- (U) Ed 464. **The Mentally Handicapped Child.** (G) 3 hours.
Systematic survey of types and characteristics of mental deficiency. Classification and diagnosis. A survey course for the classroom teacher and special education teacher dealing with identification and guidance of the retarded learner. Taylor. TuWThF, 1:00 p.m., Room 206.

- (U) Ed 465. **Diagnostic and Remedial Techniques.** (G) 3 hours.
Diagnostic, remedial, and corrective techniques in basic school subjects: applications of techniques to actual cases will be limited to the areas of reading, spelling, and speech. Techniques of screening and conferencing will be developed. Phelps. MWThF, 9:00 a.m., Room 210.
- (C) Ed 467. **Applied Mental Hygiene.** 3 hours.
A study of the development of personality, personality conflicts, mechanisms of adjustment, and the basic principles of mental hygiene. Emphasis is placed on application of mental-hygiene principles to personality development of teachers and of children. See also Psy 411. Bernard. MTuThF, 10:00 a.m., Room 109.
- (C) Ed 468. **Diagnostic and Remedial Instruction in Reading.** (G) 3 hours.
Diagnostic, remedial, and corrective techniques in basic school subjects: applications of techniques to actual cases will be limited to the areas of reading, spelling, and speech. Techniques of screening and conferencing will be developed. Phelps. MWThF, 9:00 a.m., Room 210.
- (C) Ed 473. **Administration of the Elementary School.** (G) 3 hours.
Study of the principles and desirable practices in the administration of elementary schools, with special reference to organization for instruction, administering pupil personnel and special services, public relations, school buildings and equipment, guidance, and staff relations. Cook. MTuThF, 10:00 a.m., Room 204.
- (E) Ed 478. **Improvement of Instruction in Reading.** (G) 3 hours.
Intensive study of the classroom teacher's responsibility in the teaching of reading in the elementary grades. General plan developed for teaching children of a given grade as a unit. Attention directed to the smaller groups which compose the unit, such as: the mentally and scholastically retarded; the neglected and unadjusted; children with physical handicaps. Stress will be placed on readiness at each level, the use of phonics, children's interest, selection of material, diagnostic and remedial procedures for classroom use. Cook. TuWThF, 1:00 p.m., Room 212.
- (S) (C) Ed 485. **Principles and Practices of Guidance Services.** (G) 3 hours.
Overview of guidance and personnel work. Attention given to vocational, educational, health, social, personality, recreational, and other aspects of individual development. Participation of teachers, counselors, administrators, parents, and community organizations in a program of guidance. For all teachers and administrators. Students specializing in guidance should begin with this course. Prerequisite: Senior standing, or consent of instructor. Ludwig. MTuThF, 10:00 a.m., Room 111.
- (S) Ed 487. **Counseling Techniques.** (G) 3 hours.
Mental, achievement, trade, and other tests; administration of such tests; classifications, methods in educational and vocational counseling. Prerequisite: Ed 485 or consent of instructor. Ludwig. TuWThF, 1:00 p.m., Room 109.
- (C) Ed 493. **Observation and Evaluation of Teaching.** (G) 1-3 hours.
Opportunity for experienced elementary teachers to observe modern trends in education as demonstrated in the training schools and to discuss educational practices and theories. Prerequisite: consent of instructor. A limited number can be assigned to the few places available for this course. Selection will be made from written applications filed in advance with the Director of the Portland Summer Session. Open only to experienced elementary teachers who require credits in supervised teaching for certification. An acceptable substitute for Ed 415. Reed and staff. TuWThF, 1:00 p.m., Shattuck School.

- (U) (S) Ed 501. **Educational Research.** Hours to be arranged.
Supervised research by qualified students. Prerequisite: graduate standing in education; consent of instructor. Staff.
- (U) Ed 501F. **Educational Research (Field Study).** Terms and hours to be arranged.
Field study for graduate students who plan to take the Master of Education degree from the University of Oregon. Staff.
- (S) Ed 503. **Thesis.** Hours to be arranged. Staff.
- (U) (S) Ed 505. **Reading and Conference.** Hours to be arranged. Staff.
- (U) Ed 507. **Education Seminar: Foundations of Education.** 3 or 6 hours.
A comprehensive survey of some of the major historical, philosophical, psychological, and social factors underlying present-day American education. Problems of educational and personal adjustment in modern society. Course may be taken in conjunction with Ed 508. CURRICULUM WORKSHOP. Epler, Browne and staff. TuWThF, 1:00 p.m., Room 205.
- (U) Ed 507. **Education Seminar: Psycho-Educational Problems.** 1 to 6 hours.
Supervised individual casework with children who have learning or behavior problems in the school. Training in interviewing, psychological evaluation, prognosis, and treatment procedures. Enrollment limited to those with sufficient education and/or experience background. Prerequisite: consent of instructor. Hours to be arranged. Boyd and staff. Shattuck school.
- (U) Ed 507. **Education Seminar: Teaching of High-School English.** 3 hours.
A study of the techniques as well as a consideration of the problems of the high-school English teacher. Franchere. TuWThF, 1:00 p.m., Room 201.
- (U) Ed 507. **Education Seminar: Comparative Education.** 3 hours.
The making of national systems of education. Historic, religious, racial, cultural, and traditional influences which shape and affect educational systems. Opportunities will be given for detailed study of the national systems of certain countries. Browne. MTuWF, 11:00 a.m., Room 111.
- (U) Ed 507. **Education Seminar: Junior and Senior High-School Science.** 3 hours.
Objectives of science; selection of subject matter; construction of science units; teaching techniques; materials and facilities for science teaching. Open to all persons interested in the teaching or supervision of junior or senior high-school science. Warner. MTuWTh, 12:00 m., Room 301.
- (U) Ed 507. **Education Seminar: Problems of Higher Education.** 3 hours.
Aims and functions of American higher education. Current problems and trends in junior colleges, teacher colleges, and universities. Epler. MTuThF, 10:00 a.m., Room 209.
- (U) Ed 507. **Education Seminar: Administration of Special Education Programs.** 3 hours.
Designed especially to deal with the problems of administrators, supervisors, and teachers confronted by the problem of organizing and administering special education programs in second- and third-class districts and on a county-wide basis. Taylor. TuWThF, 8:00 a.m., Room 209.

- (U) Ed 507. **Education Seminar: Human Relations.** 3 hours.
Open to school administrators and experienced teachers. The problem of human relations in the operation of public schools, the school-community relationship and parent-teacher-pupil relationships will be considered. A theoretical basis for understanding individual and group behavior will be developed and case studies analyzed in the light of the basic principles laid down. Caughlan, Schulz, and staff. Consultant: Peters. MTuThF, 10:00 a.m., Room 211.
- (U) Ed 507. **Education Seminar: Research Studies in Childhood Education.** 3 hours.
Experience in collecting, organizing, and reporting research around selected problems. Class discussion of individual reports to share findings and provide guidance in evaluating and interpreting research studies. Gambrill. MWThF, 9:00 a.m., Room 211.
- (U) Ed 507. **Education Seminar: Principles of Television Broadcasting.** 3 hours.
History of American television broadcasting; comparative television broadcasting systems; organization and operation of TV stations and networks; social and legal responsibilities of television, codes and practices of TV broadcasting, and an introduction to TV audience measurement and survey methods. Merrill. TuWThF, 1:00 p.m., Room 105.
- (U) (S) Ed 508. **Curriculum Workshop.** 3 or 6 hours.
The workshop will provide opportunities for teachers, supervisors and administrators to develop materials for use in any aspect of the educational program in grades 1-12. Special attention will be given to the problems of preparing units and courses of study for core curriculums in grades 7, 8 and 9. The working time will be divided among (a) presentation of theory, (b) work on individual or group projects with the instructors available for consultation, (c) independent work on projects, (d) conferences with the instructors. Enrollment will be limited to 50 active members of the teaching profession and by consent of instructor only. Spalding. Hours to be arranged. Daily, 11:00 a.m. to 3:00 p.m., Room 210.
- (U) Ed 508. **Workshop: Mathematics in the Secondary School.** 3 hours.
Problems of teaching secondary school mathematics will be considered. Approaches to general mathematics as well as algebra, geometry, and trigonometry. Opportunity for work on individual problems. Hoel. MTuThF, 10:00 a.m., Room 210.
- (U) Ed 508. **Workshop: Curriculum Materials for Retarded Learners.** 3 hours.
Of value for teachers, supervisors, administrators and others confronted with the problem of suitable curricular materials for the slow learner. Opportunities for experimentation in a classroom situation available in the special education clinic. Taylor. MTuWF, 11:00 a.m., Room 205.
- (U) (S) (C) Ed 512. **Research Procedures in Education.** 3 hours.
The nature and methods of research in the field of education; formulation of an individual educational problem; application of research techniques to the solution of the chosen problem. Bernard. MWThF, 9:00 a.m., Room 109.
- (U) Ed 515. **Educational Statistics. (First term).** 3 hours.
Technique in quantitative and experimental methods. Calculus not required. Prerequisite: graduate standing or consent of instructor. Gibb. MTuWF, 11:00 a.m., Room 203.

- (U) (S) Ed 522. **Secondary-School Curriculum.** 3 hours.
An advanced course for experienced teachers. The school in the community; guidance activities in the school; extraclass activities; the role of the school in contemporary society; the teacher in the local community. Williams. TuWThF, 8:00 a.m., Room 206.
- (U) Ed 523. **School Activities.** 3 hours.
Theories involved in extraclass activities; objectives, organization, and supervision; student participation in social control; major and minor activities; problems of coordination, finance, and teacher personnel. Williams. MTuWTh, 12:00 m., Room 206.
- (U) Ed 527. **Secondary-School Administration and Supervision.** 3 hours.
The secondary-school principalship; principles of administration, staff relationships, public relations, and professional growth; business administration; administration of guidance services, curriculum, and school activities; evaluation of the secondary school. Williams. MTuThF, 10:00 a.m., Room 206.
- (U) Ed 529. **Advanced Educational Psychology.** 3 hours.
Review of some modern viewpoints in educational psychology; discussion of useful experimental material. Prerequisite: graduate standing in education. Garrison. TuWThF, 8:00 a.m., Room 204.
- (S) Ed 531s. **Organization and Supervision of Visual Instruction.** 3 hours.
This course is planned especially for department heads, principals, and teachers who have had Ed 431, or its equivalent in visual work, and who wish to organize and direct a visual instruction program in their respective schools. Lawton. MWThF, 9:00 a.m., Room 105.
- (U) (S) Ed 546. **Philosophy of Education.** 3 hours.
Fundamental problems of education, with some attempt at their solution; meaning of philosophy, philosophy of education; value for teacher and administrator. Prerequisite: graduate standing in education, or consent of instructor. Hovland. MTuThF, 10:00 a.m., Room 113.
- (U) Ed 552. **Elementary-School Problems.** 3-4 hours.
Selected current problems; issues and theories of elementary education; characteristics of modern teaching; major trends in elementary education. Leavitt. TuWThF, 1:00 p.m., Room 103.
- (U) Ed 553. **Elementary School Curriculum.** 3-4 hours.
A systematic study of the elementary-school curriculum, including pupil needs in every-day life situations, objectives, essentials of a good program, varying curriculum designs, organization of learning experiences, evaluation of learning, and appraisal of newer curriculum practices. Cook. MTuWF, 11:00 a.m., Room 204.
- (U) Ed 554. **Elementary-School Supervision and Administration.** 3-4 hours.
The role, duties, needs, and problems of modern supervision, including the evaluation and improvement of the teaching-learning situation. Cook. MTuThF, 10:00 a.m., Room 204.
- (U) Ed 565. **Curriculum Foundations.** 3-4 hours.
Implication of basic social, philosophical, and psychological factors in curriculum planning and organization; historical background; techniques of curriculum planning. Gambrill. MTuWTh, 12:00 m., Room 211.

- (U) Ed 566. **Curriculum Construction.** 3-4 hours.
Survey and appraisal of curriculum patterns; state and city programs; courses of study in major subject areas; techniques of course-of-study planning. Spalding and Santee. TuWThF, 1:00 p.m., Room 210.
- (U) Ed 567. **Curriculum Materials.** 3-4 hours.
Effective use and organization of curriculum materials; text and reference books, supplementary pamphlet materials, films and slides, records and recordings, pictures, radio, etc.; techniques of unit construction and community survey. Lawton. MTuWF, 11:00 a.m., Room 104.
- (U) Ed 572. **Public-School Administration.** 3 hours.
Duties and responsibilities of school administrators. Relationships with board, staff, and community. Consideration of the professional and nonprofessional problems of school administration. Blankenship. (June 22 to July 17). TuWThF, 8:00 to 10:00 a.m., Room 103.
- (U) Ed 573. **Public-School Organization.** 3 hours.
The organizational patterns and programs of both elementary and secondary schools. Details of administration, including scheduling, records and accounts, public accounting, personnel and guidance programs, activity programs, etc. Spalding. MWThF, 9:00 a.m., Room 102.
- (U) Ed 574. **School Supervision.** 3 hours.
Purposes and techniques of school supervision as applied to both elementary and secondary schools. The organization of supervisory programs and diagnosis of both teacher and pupil difficulties. Blankenship. (June 22 to July 17). MTuThF, 10:00 a.m. to 12:00 m., Room 103.
- (U) Ed 575. **School Finance.** 3 hours.
The problems of school finance and business management; sources of school income, relationship to the state financial structure; budgeting and accounting, as affected by the school program. Construction of a budget is a part of the course. Hummel. (July 20 to August 14) TuWThF, 8:00 to 10:00 a.m., Room 103.
- (U) Ed 576. **School Buildings.** 3 hours.
A study of the problems involved in planning, financing, and constructing of school buildings; the care and maintenance of buildings; and problems of equipment. An analysis of problems in a specific district is a part of the course. Hummel. (July 20 to August 14). MTuThF, 10:00 a.m. to 12:00 m., Room 103.
- (S) Ed 589. **Organization and Administration of Guidance Services.** 3 hours.
Criteria for evaluating present personnel services, setting up guidance committees, selection of personnel, responsibilities and duties of staff, development of program of services, and in-service training program. Prerequisite: Ed 485, 487 or consent of instructor. Ludwig. MTuWF, 11:00 a.m., Room 110.

English

Associate Professors: FRANCHERE, OLIVER. Assistant Professors: DAHLSTROM, WEISS. Instructor: JOHNSON.
Visiting Faculty: BOND, DAHLBERG.

Literature

- (U) Eng 101. **Survey of English Literature.** (First term). 3 hours.
From Beowulf to Milton. Weiss. TuWThF, 1:00 p.m., Room 102.

- (U) Eng 102. **Survey of English Literature.** (Second term). 3 hours.
From Milton to Byron. MTuWTh, 12:00 m., Room 106.
- (C) Eng 107. **World Literature.** (First term). 3 hours.
A sequence in narrative prose, drama, and poetry. Complete books are studied so that the student may be familiar with some of the masterpieces in Western world literature. Oliver. MTuWTh, 12:00 m., Room 110.
- (C) Eng 109. **World Literature.** (Third term). 3 hours.
Weiss. MTuWF, 11:00 a.m., Room 206.
- (C) Eng 120. **Essentials of Speech I.** 3 hours.
Course to give the student opportunity to develop poise and confidence in speech and to organize and present material effectively. Dahlberg. MTuThF, 10:00 a.m., Room 106.
- (U) Eng 202. **Shakespeare.** (Second term). 3 hours.
Study of the important plays, comedies, histories, and tragedies. Required for majors. Oliver. MWThF, 9:00 a.m., Room 205.
- (U) Eng 261. **Survey of American Literature.** (First term). 3 hours.
American literature from its beginning to the present day. Two consecutive terms required to satisfy the high-school teaching-field requirement. Franchere. MTuWF, 11:00 a.m., Room 109.
- (C) Eng 388. **Children's Literature.** 3 hours.
Acquaintance with, and appreciation of, the great body of literature belonging to the elementary-school program. Investigation in the field of children's interest in reading, and in grade placement of types and pieces of literature. Bond. Two sections: *Section 1*, MTuThF, 10:00 a.m., Room 112. *Section 2*, MTuWTh, 12:00 m., Room 112.
- (U) Eng 393. **American Novel.** (Third term). 3 hours.
Development of the American Novel from its beginnings to the present. Johnson. MTuThF, 10:00 a.m., Room 104.
- (U) Eng 413. **English Drama.** (Third term). (C) 3 hours.
The development of English dramatic forms from the beginnings to modern times. Dahlstrom. TuWThF, 8:00 a.m., Room 112.
- (U) Eng 482. **Major American Writers: The Romantic Idealists.** (Second term). (C) 3 hours.
Hawthorne and Melville. Oliver. MTuThF, 10:00 a.m., Room 205.
- (U) Eng 505. **Reading and Conference.** Hours to be arranged. Staff.

Writing

- (U) (C) Wr 111. **English Composition.** (First term). 3 hours.
The fundamentals of English composition and rhetoric. Frequent written themes. Special attention to correctness in fundamentals and to the organization of papers. Weiss. MTuWTh, 2:00 p.m., Room 102.
- (U) (C) Wr 112. **English Composition.** (Second term). 3 hours.
Johnson. MTuWTh, 12:00 m., Room 209.
- (U) (C) Wr 113. **English Composition.** (Third term). 3 hours.
Johnson. TuWThF, 1:00 p.m., Room 209.

(U) Wr 311. **English Composition for Teachers.** 3 hours.

For students expecting to teach English in high school. Practice in writing and a review of the rules of composition. Required for satisfaction of the high-school teaching-field requirement in English. Prerequisite: Wr 111, 112, 113. Franchere. MTuWF, 10:00 a.m., Room 201.

See the following listed under Education:

(U) Ed 507. **EDUCATION SEMINAR: TEACHING OF HIGH-SCHOOL ENGLISH.** 3 hours. Franchere.**Foreign Languages**

Instructor: EATON. Visiting Faculty: WAWRZYŃIAK.

***French**(U) RL 1, 2. **First-Year French.** 8 hours.

An introduction to the French language with practice in reading prose; practice in pronunciation and an understanding of the spoken language. Equivalent to the first two terms of First-Year French given during the regular academic year. Wawrzyniak. Daily, 9:00 and 10:00 a.m., Room 313.

***German**(U) GL 1, 2. **First-Year German.** 8 hours.

The fundamentals of grammar, oral drill, and translation of prose selections. Equivalent to the first two terms of First-Year German given during the regular academic year. Recommended for students who wish to acquire a reading knowledge. Eaton. Daily, 8:00 and 9:00 a.m., Room 104.

***Spanish**(U) RL 11, 12. **First-Year Spanish.** 8 hours.

Provides an introduction to grammar and practice in reading modern prose; considerable practice in pronunciation and opportunity for understanding the spoken language. Equivalent of the first two terms of First-Year Spanish given during the regular academic year. Wawrzyniak. Daily, 12:00 m. and 1:00 p.m., Room 318.

General Social Science

Associate Professor: HOFFMANN.

(C) SSc 412. **Contemporary Problems.** (Second term). 3 hours.

A study of modern social, political, and economic problems from the standpoint of sociology, economics, psychology, biology, genetics, and the interference of civilization with the processes of natural selection. Prerequisite: Sc 101, 102, 103; SSc 101, 102, 103; Psy 201, 202 or consent of instructor. MTuWF, 11:00 a.m., Room 309.

General Studies

Portland Summer Session Advisers: CAUGHLAN, STEVENS. Chairman, University Committee: BERREMAN. Chairman, State College Committee: YUNKER.

GSt 501. **Research in General Studies.** Hours to be arranged.GSt 503. **Graduate Thesis.** Hours to be arranged.GSt 505. **Reading and Conference.** Hours to be arranged.

* Students who complete RL 1, 2; GL 1, 2; or RL 11, 12 with a grade of A or B may enter Second-Year French, German, or Spanish in the fall term.

Geography

Instructor: DART. Visiting Faculty: NEWHOUSE.

(U(S) (C) Geog 105, 106. **Introductory Geography.** 3 hours each.

A general introduction to the field of geography in sequence as follows: Geog 105, regions of the world; Geog 106, economic geography. Dart. TuWThF, 8:00 and 9:00 a.m., Room 318.

(C) Geog 313s. **Geography of Oregon.** 3 hours.

Economic study of the distribution of population and industries of Oregon and the Pacific Northwest in relation to the geographic environment of the entire area; special emphasis placed on Oregon. Dart. MTuWTh, 12:00 m., Room 310.

(U) Geog 323. **Geography of the Pacific Northwest.** 3 hours.

A study of the land forms, climates, population, resources, products, and lines of communication of the Pacific Northwest. Dart. MTuWTh, 12:00 m., Room 310.

(C) Geog 330. **Geography of South America.** 3 hours.

A course dealing with the economic and social development of the countries of South America; raw materials; potential markets; inter-American relations. Newhouse. MTuWF, 11:00 a.m., Room 212.

(C) Geog 331. **Geography of Asia.** 3 hours.

A study of the economic and social development of the countries of Asia; the economic bases of human life; problems of population pressure; trends in economic and political exploitation; and the geographic backgrounds of oriental and occidental inter-relations. Newhouse. MTuWTh, 12:00 m., Room 212.

(U) Geog 430. **Geography of South America.** (G) 3 hours.

Physical, economic, and human geography of the continent. Prerequisite: Geog 105, 106, 107 or Geog 201, 202, 203, or consent of instructor. Newhouse. MTuWF, 11:00 a.m., Room 212.

(U) Geog 431. **Geography of Asia.** (G) 3 hours.

Physical geography of the continent; the main economic, social, and political problems viewed in relation to geography. Prerequisite: Geog 105, 106, 107, or Geog 201, 202, 203, or consent of instructor. Newhouse. MTuWTh, 12:00 m., Room 212.

See the following listed under Education:

(C) Ed 408. **METHODS AND RESEARCH MATERIALS: GEOGRAPHY.** (G) 3 hours. Newhouse.**Health and Physical Education**

Assistant Professor: HOLLAND. Instructors: GREENSLADE, LOGAN.

(C) PE 341, 342, 343. **Teaching and Officiating Girls' Sports.** 1 hour each.

Rules, fundamentals, and team play, as well as methods of instruction, for the various sports for girls. Greenslade. TuWThF, 1:00 p.m., Gymnasium.

(C) PE 371. **Kinesiology.** 3 hours.

Body mechanics, applied to all phases of the physical education program and athletics. Holland. MWThF, 9:00 a.m., Room 2.

- (U) PE 406. **Special Problems: Folk and Square Dancing.** 3 hours.
For men and women. Materials of folk dancing, including the fundamental locomotor skills, traditional step patterns, and couple, circle, square and longways dances from Europe and America. Logan. Dai'y, 2:00 p.m., Gymnasium.
- (U) (C) (E) PE 411, 412, 413. **Physical-Education Workshop.** (g) 3 hours each.
A workshop for physical education teachers in the public schools. Each teacher works out and organizes the complete program for his school in light of the objectives, standards, and purposes of the Oregon physical education program. Open to men and women. Logan. MTuThF, 9:00 a.m. to 12:00 m., Gymnasium.
- (U) HE 450. **Elementary-School Health Education.** (g) 3 hours.
The purposes and requirements of the elementary-school health service program, with emphasis upon 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. Greenslade. MTuWF, 11:00 a.m., Room 2.
- (U) 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. Holland. TuWThF, 1:00 p.m., Room 2.
- (U) PE 472. **Kinesiology.** 3 hours.
Action of muscles involved in fundamental movements, calisthenics, gymnastics, and athletics. Prerequisite: (U) PE 471 or consent of instructor. Holland. MWThF, 9:00 a.m., Room 2.
- (U) 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. Holland. TuWThF, 8:00 a.m., Room 2.
- See the following listed under Education:
- (C) Ed 344, 345, 346. **Physical-Education in the Elementary Grades.** 1 hour each.
Students must register in all three. Greenslade.
- (C) Ed 351. **HEALTH EDUCATION.** 2 hours. Greenslade.

History

Associate Professor: HOFFMANN. Visiting Faculty: DREWS, ELLISON, MACKIRDY.

- (U) (C) Hst 377. **Oregon History.** 2 hours.
Brief survey of the building of civilization in the Oregon Country. Required for teacher certification in Oregon. Ellison. TuWF, 8:00 a.m., Room 301.
- (C) Hst 378. **American History and Government.** (First term). 3 hours.
A study of the development of the American nation, with emphasis on its political and social concepts. Attention is given to the factual and causal functions of its government, and to the adaptations that have been made to changing social and economic conditions. Hst 378 covers the period through the Civil War. Ellison. MTuThF, 10:00 a.m., Room 307.

- (U) Hst 445. **Europe Since 1939.** (G) 3 hours.
Origins and course of World War II; postwar developments in the European states. Hoffmann. MTuThF, 10:00 a.m., Room 309.
- (U) Hst 463. **British Dominions.** (First Term). (G) 3 hours.
History of the British Empire after 1815; evolution of colonial nationalism, development of the commonwealth idea. First term: Canada. MacKirdy. MTuWTh, 12:00 m., Room 307.
- (U) Hst 469. **Recent England.** (G) 3 hours.
Social, political, economic, and intellectual changes in Great Britain in the twentieth century. MacKirdy. MWThF, 9:00 a.m., Room 307.
- (U) Hst 470. **Leading Americans.** (First term). (G) 3 hours.
American leaders who have been outstanding in their periods. Ellison. MTuWF, 11:00 a.m., Room 307.
- (U) Hst 499. **History of Japan.** (Third term). (G) 3 hours.
History of Japan from 1900 to the present. Drews. MTuWTh, 12:00 m., Room 309.
- (U) Hst 407, 507. **Seminar: Attitudes of Nationals of Other Countries Toward the United States.** 3 hours.
An interpretive survey of American history given by an outsider utilizing readings drawn from foreign commentators and visitors to the United States selected from different times in the past. MacKirdy. MTuWF, 11:00 a.m., Room 201.

Journalism

Instructor: LARSON.

- (U) J 360. **General Journalism.** 3 hours.
A practical elementary course in journalism, designed for prospective newspaper workers, free-lance writers, publicity writers, and teachers of high-school journalism. News gathering, news evaluation, and writing. Class members will gain practical experience by working on the *Summer Signal*, which will be published weekly by the Portland Summer Session. TuWThF, 8:00 a.m., Room 302.

Mathematics

Assistant Professor: GIBB. Instructors: BUSCHMAN, EATON.

- (U) (S) Mth 100. **Intermediate Algebra.** 4 hours.
Prerequisite: one year of high-school algebra. Eaton. Daily, 10:00 a.m., Room 306.
- (U) (S) Mth 201, 202, 203. **Differential and Integral Calculus.** 4 hours each.
(Contingent on sufficient enrollment.) Prerequisite: ELEMENTARY ANALYSIS or equivalent. Buschman. Daily, 9:00 a.m. to 12:00 m., Room 310.
- (C) Mth 211. **Foundations of Mathematics.** 3 hours.
Treatment of historical aspects of mathematics, social uses and relationships, mathematical principles and relationships, grade placement of content materials, appraisal of texts, workbook and tests, development of problem-solving ability, and proficiency in the fundamental skills of mathematical processes. Buschman. TuWThF, 8:00 a.m., Room 310.
- (S) Mth 421, 422. **Differential Equations.** (g) 3 hours each.
Ordinary differential equations for mathematics and science majors and others

who plan further study in mathematics. Prerequisite: Calculus. Gibb. TuWThF, 8:00 and 9:00 a.m., Room 113.

Music

Associate Professor: STEHN. Visiting Faculty: ELSTON, SCHOEPFLE, ZIMMERMAN.

- (C) Mus 281. **Music I. Introductory Course in Music.** 3 hours.
A musical background for the elementary-school teacher; singing children's song material; acquiring good vocal habits; reading music; experiencing simple problems in rhythm; listening to music; analyzing its forms; learning keys, scales, intervals, primary chords, and their application to the piano keyboard. Schoepfle. TuWThF, 8:00 a.m., Room 108.
- (C) Mus 283. **Music III. Music Education.** 3 hours.
The close relationship between music education and other areas in education; planning a musical environment; directing the experiences of children in music; studying principles and procedures in teaching music skills. Schoepfle. MTuThF, 10:00 a.m., Room 108.
- (U) Mus 395. **Band. 1 hour.**
Designed for band directors and others to have an opportunity to play and read band music during the summer. Especially designed for students with band experience. Stehn. Daily, 12:00 m., Auditorium.
- (U) Mus 407. **Seminar: Opera Production.** 3 hours.
Detailed study of problems involved in the production of grand and light opera, including selection of operas, selection of cast, rehearsals, etc. Practical experience with the Holladay Bowl Players. Zimmerman. TuWThF, 8:00 a.m., Room 211.
- (U) Mus 408. **Seminar in Music History.** (G) 3 hours.
An intensive study of limited areas of music history, with emphasis on styles of particular composers, schools, and periods. Maximum undergraduate credit, 9 hours; maximum graduate credit, 9 hours. Consent of instructor required. Elston. MTuWF, 11:00 a.m., Room 108.
- (U) Mus 431. **Advanced Conducting.** (G) 3 hours.
The routine and technique of conducting. Problems of the symphony orchestra and choral groups. Score reading. Actual practice in conducting. Prerequisite: Mus 211, 212, 213 or equivalent; consent of instructor. Elston. TuWThF, 8:00 a.m., Room 106.
- (U) Mus 434. **Applied Theory.** (G) 3 hours.
A course designed primarily for school orchestra, band, and choral directors. Practical study of problems of harmony, form, structure, counterpoint, rhythm, and intonation as they are usually encountered in the music performed by high-school organizations. This course may be counted toward the degree of Master of Science in General Studies; it may not be counted toward a music degree. Prerequisite: experience as an orchestra, band, or choral director; consent of instructor. Elston. MWThF, 9:00 a.m., Room 108.
- (U) Mus 490. **Applied Music.** (To be arranged).
Individual instruction in the organ, piano, and individual orchestral and band instruments. For music majors and music instructors.

- (U) Mus 507. **Seminar: Band Technique.** 3 hours.
Rehearsal technique, training methods, selection of music, practical problems. In conjunction a clinic band of forty to fifty high school freshmen and sophomores will be used. Stehn. TuWThF, 1:00 p.m., Room 108.
- (U) Mus 590. **Applied Music.** (To be arranged).
Individual instruction in organ, piano, violin, voice, orchestral and band instruments at the graduate level. Open only to those who have the Bachelor of Music degree or equivalent.
- See the following listed under Education:
- (C) Ed 408. **METHODS AND RESEARCH MATERIALS: ELEMENTARY MUSIC.** (G) 3 hours.
Schoepfle.

Philosophy and Religion

Assistant Professor: DAHLSTROM. Visiting Faculty: HOVLAND.

- (S) Phl 203. **Introduction to Philosophy.** (Third term). 3 hours.
A unified year sequence, but work of the three terms may be taken in any order. Phl 201 is a study of elementary problems of knowledge and nature in terms of historical development of philosophy; Phl 202, philosophy of ethics; *Phl 203 considers social philosophy with special attention to philosophy of history.* Dahlstrom. MWThF, 9:00 a.m., Room 112.
- (U) R 462. **Judaism and Christianity.** (g) 3 hours.
History of the two religions; how they arose, the social conditions bearing on their development, their internal struggles, and their beliefs. Hovland. TuWThF, 8:00 a.m., Room 111.
- (U) R 407. **Seminar: Religion in Contemporary Society.** (g) 3 hours.
The relation of religion to social institutions. Religion and the state, totalitarian and democratic. The social teachings of the various churches and religious groups. The religious situation today. Criteria for evaluating religion as a social force. Hovland. MTuWTh, 12:00 m., Room 113.

Political Science

Associate Professor: HOFFMANN. Visiting Faculty: CAPPER-JOHNSON.

- (U) PS 201. **American Government.** (First Term). 3 hours.
A study of American national government. Hoffmann. TuWThF, 1:00 p.m., Room 309.
- (U) PS 420. **International Organization.** (Second term). (G) 3 hours.
A survey and analysis of the development of public international organization, with chief emphasis on the United Nations and its affiliated organizations; consideration of the leading problems of the United Nations; international administration. Capper-Johnson. MTuWF, 11:00 a.m., Room 211.
- (U) PS 407, 507. **Seminar: Problems of Democracy, Communism, Fascism.** 3 hours.
A study of the conflict between democracy, communism or fascism; an exploration into the values and meaning of our democratic faith and into problems which must be overcome, including the challenge presented by authoritarian ideas, if the victory of democracy is to be assured. Capper-Johnson. MTuThF, 10:00 a.m., Room 301.

Psychology

Associate Professors: BERNARD, SCHULZ. Assistant Professor: WILCOX.
Visiting Faculty: BOYD, GARRISON, GOODMAN, CASADY.

- (U) (C) Psy 201. **General Psychology.** (First term). 3 hours.
Introductory study of behavior and conscious processes. Survey of experimental studies with reference to motivation, learning, perceiving, and individual differences. Wilcox. TuWThF, 12:00 m., Room 312.
- (U) (C) Psy 202. **General Psychology.** (Second term). 3 hours.
Wilcox. MTuWTh, 1:00 p.m., Room 312.
- (U) Psy 204. **Psychology of Adjustment.** 3 hours.
The nature and origins of differences in personality; means of making desired changes. Prerequisite: Psy 201, 202. Wilcox. MTuWF, 11:00 a.m., Room 312.
- (U) Psy 208, 209, 210. **General Psychology Laboratory.** 1 hour each.
Introduction to experimental methods. Laboratory work coordinated with Psy 201, 202, and 204. Wilcox. MTuWTh, 2:00 p.m., Room 312.
- (C) Psy 261. **Child Growth and Development.** 3 hours.
Consideration of the child as an individual and as a member of social groups. Included is a study of the kinds of home and school environment essential to the best intellectual, physical, and emotional development of the child. Schulz. TuWThF, 8:00 a.m., Room 205.
- (U) Psy 411. **Psychology of Infancy and Childhood.** (G) 3 hours.
Growth of behavior during the prenatal period, infancy, and childhood. Development of muscular activities, perception, emotional adjustment, intelligence, language, and social behavior in childhood. Not open to students who have completed Ed 460. Garrison. MTuThF, 10:00 a.m., Room 212.
- (S) Psy 411. **Mental Hygiene.** (g) 3 hours.
Principles and application of mental hygiene to problems of the individual in home, school, and occupational situations. Prerequisite: Psy 203, or Psy 207, 208, or consent of instructor. Bernard. MTuThF, 10:00 a.m., Room 109.
- (U) Psy 412. **Psychology of Adolescence.** (G) 3 hours.
Study of the behavior changes during preadolescence and adolescence. Intended to follow Psy 411. Not open to students who have completed Ed 461. Garrison. MTuWF, 11:00 a.m., Room 209.
- (U) Psy 431. **Clinical Methods in Psychology.** (G) 3 hours.
Survey of intelligence, achievement, special-aptitude, interest, and personality tests; theoretical and statistical background for interpretation of test scores. Boyd. TuWThF, 8:00 a.m., Room 212.
- (U) Psy 432. **Clinical Psychology.** (G) 3 hours.
Practice in administering, scoring, and interpreting individual and group examinations in the fields of intelligence, special aptitudes, interest, and personality. Consideration of essential statistical procedures. Special training in diagnosis of actual cases. Prerequisite: Psy 431, which may be taken concurrently with consent of instructor. Boyd. MWThF, 9:00 a.m., Room 212.
- (U) Psy 450. **Abnormal Psychology.** (G) 3 hours.
Various forms of unusual behavior, including anxiety states, hysteria, hypnotic

phenomena, and psychoses. Normal motives and adjustment mechanism as they are exaggerated in the so-called neurotic person. Casady. TuWThF, 8:00 a.m., Room 110.

- (U) Psy 407, 507. **Seminar: Individual Differences Applied to Education.** 3 hours.

Importance and extent of individual differences in various human traits. Examination of current psychological literature and experimental findings relative to such problems as the effects of practice, special abilities, and mental characteristics. Goodman. MWThF, 9:00 a.m., Room 206.

Science

Associate Professors: LANGE, MACNAB. Assistant Professors: JOHNSON, WALTON.
Instructors: PAYNE, PIERSON. Visiting Faculty: WARNER.

Chemistry

- (S) Ch 104, 105, 106. **General Chemistry.** 4 hours each.
Johnson. *Lecture:* Daily, 10:00 a.m. to 12:00 m., and 3:30 to 4:00 p.m. Room 302.
Laboratory: Daily, 1:00 to 3:30 p.m.
- (S) Ch 106. **General Chemistry.** (Third term). 4 hours.
Prerequisite: Ch 104 and 105. Lange. *Lecture:* MTuWTh, 11:00 a.m., Room 306.
Laboratory: MW, 10:00 a.m. to 12:00 m.
- (S) Ch 206. **Qualitative Analysis.** 5 hours.
Chemistry of selected metallic elements and semi-micro qualitative analysis. Lange. *Lecture:* MTuWTh, 11:00 a.m., Room 305. *Laboratory:* MTuWTh, 10:00 a.m. to 12:00 m.
- (S) Ch 226, 227. **Organic Chemistry.** 5 hours each.
Carbon compounds of the aliphatic and aromatic series. Lange. *Lecture:* MTuWTh, 8:00 to 10:00 a.m., Room 306. *Laboratory:* MTuWTh, 10:00 a.m. to 2:00 p.m.
- (S) Ch 234. **Quantitative Analysis.** 5 hours.
Principles of gravimetric analysis and volumetric analysis. Designed for pharmacy, premedical, and medical-technology students. Prerequisite: Ch 103. Johnson. *Lecture:* MWThF, 9:00 a.m., Room 302. *Laboratory:* MWThF, 11:00 a.m. to 1:30 p.m.

General Science

- (C) Sc 101, 102, 103. **Biological Science Survey.** 3 hours each.
Place of man in relation to other forms of life, with particular reference to heredity, nervous systems, organic evolution; importance of animal and plant forms as sources of food, shelter, clothing, and medicines, and as sources of diseases. Pierson. *Lecture:* MTuWF, 10:00 a.m. to 12:00 m., and 1:00 to 2:00 p.m., Room 314. *Laboratory:* MTuWF, 2:00 to 4:30 p.m., Room 313.
- (C) Sc 201, 202, 203. **Foundations of Physical Science.** 3 hours each.
A course in the elements of the branches of physical science, i.e., astronomy, chemistry, geology, meteorology, and physics. Study of the development of these fields from their earliest historical beginnings to their present-day positions and effects on society. Particular emphasis is placed on the development of scientific attitudes. Payne. TuWThF, 8:00, 9:00, and 10:00 a.m., Room 312.

Geology

- (S) G 350. **Rocks and Minerals.** 3 hours.

This course gives opportunity to become acquainted with rocks and minerals without having to meet the requirements of the more technical courses. Especially useful to students expecting to teach general science. Prerequisite: upper-division standing or consent of instructor. Warner. MTuThF, 10:00 a.m., Room 2.

Physics

- (S) Ph 201, 202, 203. **General Physics.** 4 hours each.

Mechanics, sound, heat, light, electricity, and magnetism. Walton. *Lecture:* MTuThF, 9:00 a.m. to 12:00 m., Room 3-4. *Laboratory:* MTuThF, 1:00 to 4:00 p.m., Room 3-4.

Zoology

- (S) Z 201, 202, 203. **General Zoology.** 3 hours each.

For premedical, pre dental, pre nursing, pharmacy, physical education, psychology, fish and game management students, and others. Macnab. *Lecture:* MTuWTh, 8:00 to 10:00 a.m., Room 314. *Laboratory:* MTuWTh, 10:00 a.m. to 12:00 m., and 1:00 to 2:00 p.m., Room 308.

Science Education

- (C) Ed 408. **Methods and Research Materials: Elementary-School Science.**

(G) 3 hours. Warner. *See description under Education.*

- (U) Ed 507. **Education Seminar: Junior and Senior High-School Science.** 3 hours. Warner. *See description under Education.*

Sociology

Assistant Professor: DRUM. Visiting Faculty: GOOD, VOEGT.

- (U) Soc 204. **General Sociology.** (First term). 3 hours.

The basic findings of sociology concerning the individual, culture, group life, social institutions, and factors of social change. Prerequisite: Sophomore standing or consent of instructor. Voegt. MTuWTh, 12:00 m., Room 104.

- (U) Soc 338. **Marriage and the Family.** 3 hours.

The role of the family in the development of personality. Mate selection and courtship; marital discord and adjustment. Prerequisite: general sociology or general psychology. Drum. MTuWTh, 12:00 m., Room 109.

- (E) Soc 346. **Social Case Methods Applied to Nursing.** 3 hours.

History and current concepts of case-work theory; social problems related to illness; principles of interviewing; relationship between nurses and social workers. Good. MTh, 8:00 to 10:00 a.m., University of Oregon Medical School.

- (U) Soc 417. **Juvenile Delinquency.** (G) 3 hours.

Nature and extent of delinquent behavior; contributing factors; current preventive and treatment programs. Prerequisite: general sociology or general psychology. Drum. TuWThF, 8:00 a.m., Room 102.

- (U) Soc 407, 507. **Seminar: Social Welfare Resources and Organization.** (Use of Social Agencies by Teachers, Nurses, and other Professionals). 3 hours.

The various types of social welfare resources which the nurse can use to help patients with social problems; methods of organizing these resources for the meeting of human needs. (Used to meet special education certification requirements instead of Ed 429. TEACHERS' USE OF SOCIAL AGENCIES). Drum. MTuThF, 10:00 a.m., Room 102.

Speech

Instructors: BLAKELEY, WOOD. Visiting Faculty: DAHLBERG, DAWSON, LILLYWHITE.

- (U) Sp 111. **Fundamentals of Speech.** (First term). 3 hours.

Projects in extempore speaking. Primary emphasis on content, organization, developmental processes, and adjustment to the speaking situation. Dahlberg. MTuThF, 10:00 a.m., Room 106.

- (U) Sp 367. **Production of School and Community Plays.** 3 hours.

Designed primarily to familiarize teachers with the elementary problems of play production. MTuThF, 9:00 a.m., Auditorium.

- (U) Sp 370. **Phonetics.** 3 hours.

Study of sounds used in speech. Determination of sounds; their symbolic nature; their production; physical and psychological problems involved in their perception, sectional differences. Blakeley. TuWThF, 1:00 p.m., Room 104.

- (U) Sp 411. **Speech for the Classroom Teacher.** 3 hours.

Instruction in speech and speech forms designed for class-room use by the teacher and for the teacher. Dahlberg. TuWThF, 1:00 p.m., Room 106.

- (U) Sp 424. **Speech Forms and Techniques in Group Control.** (G) 3 hours.

Forms and methods in public speech as they relate to audience psychology and special situations. Study of forum, panel, committee, lecture, and parliamentary principles in terms of factors of attention, information, and persuasion. Special consideration of the needs of school administrators in public relations. Dahlberg. MTuWF, 11:00 a.m., Room 106.

- (U) Sp 482. **Speech Defects and Disorders.** (G) 3 hours.

Second term: Emphasis on cleft-palate and spastic speech, aphasia, stuttering, and neurological speech disorders. Lillywhite. MTuWF, 11:00 a.m., Room 112.

- (U) Sp 483. **Clinical Methods in Speech Correction.** (G) 3 hours.

Study of specific approaches and techniques in the treatment of the major speech defects, including functional articulatory difficulties, cleft-palate speech, stuttering, and neurological speech disorders. Dawson. MWThF, 9:00 a.m., Room 209.

- (U) Sp 484, 485, 486. **Clinical Practice in Speech Correction.** (G) 2 hours each.

Actual case experience for student clinicians in the diagnosis and treatment of speech-defective children and adults, under supervision. Any two hours between 1:00 and 4:00 p.m. for actual clinical practice, four days a week. Registration requires consent of instructor. Lillywhite, Dawson, Blakeley, Wood. Hours to be arranged. Clinic.

Schedule of Classes

8:00 a.m.

Number	Course Title	Instructor	Room
A 218.	Creative Crafts for Children. TuWThF	Garrison	316
Anth 507.	Seminar: Culture and Personality. TuWThF	Voget	201
Anth 507.	Seminar: Peoples of the Pacific Rim. TuWThF	Drews	309
BA 425.	Real-Estate Fundamentals. (G) TuWThF	Richins	109
Ch 226,	227. Organic Chemistry. MTWTh	Lange	306
Ed 312.	Educational Psychology. TuWThF	Coodman	210
Ed 344,	345, 346. Physical Education in the Elementary Grades. TuWThF	Greenslade	Gym
Ed 435.	Audio-Visual Aids. (C). (Section II). TuWThF	Lawton	105
Ed 458.	Advanced Primary Education. (C). TuWThF	Reed	203
Ed 463.	The Maladjusted Child. (G). TuWThF	Casady	110
Ed 507.	Education Seminar: Administration of Special Education Programs. TuWThF	Taylor	209
Ed 522.	Secondary-School Curriculum. TuWThF	Williams	206
Ed 529.	Advanced Educational Psychology. TuWThF	Garrison	204
Eng 413.	English Drama. (G). (Third term.) TuWThF	Dahlstrom	112
GL 1, 2.	First-Year German. Daily	Eaton	104
Geog 105,	106. Introductory Geography. TuWThF	Dart	318
Hst 377.	Oregon History. TuWThF	Ellison	301
J 360.	General Journalism. TuWThF	Larson	302
Mth 211.	Foundations of Mathematics. TuWThF	Buschman	310
Mth 421,	422. Differential Equations. (g) TuWThF	Gibb	113
Mus 281.	Music I. Introductory Course in Music. TuWThF	Schoepfle	108
Mus 407.	Seminar: Opera Production. TuWThF	Zimmerman	211
Mus 431.	Advanced Conducting. (G) TuWThF	Elston	106
PE 556.	Administration of Buildings and Facilities. TuWThF	Holland	2
Psy 261.	Child Growth and Development. TuWThF	Schulz	205
Psy 431.	Clinical Methods in Psychology. (G) TuWThF	Boyd	212
Psy 450.	Abnormal Psychology. (G) TuWThF	Casady	110
R 462.	Judaism and Christianity. (g) TuWThF	Hovland	111
Sc 201,	202, 203. Foundations of Physical Science. TuWThF	Payne	312
Soc 417.	Juvenile Delinquency. (C) TuWThF	Drum	102
Z 201,	202, 203. General Zoology. MTuWTh	McNab	314

9:00 a.m.

A 211.	Art Structure I. MWThF	Garrison	316
Anth 209.	Introduction to Cultural Anthropology. (Third term.) MWThF	Drews	309
Anth 452.	Cultural Dynamics: Cultures in Conflict. (G) MWThF	Voget	201
BA 111,	112, 113. Constructive Accounting. MTWTh	Hinds	305
Ch 226,	227. Organic Chemistry. MTuWTh	Lange	306
Ch 234.	Quantitative Analysis. MWThF	Johnson	302
Ed 331.	The Crippled and Low Vitality Child. MTuWTh	Miller	111
Ed 380.	Elementary-School Library. MWF	LaRiviere	203
Ed 408.	Methods and Research Materials: Arithmetic. (C) MWThF	Hoel Shattuck School*	
Ed 408.	Methods and Research Materials: Geography. (C) MWThF	Newhouse	204
Ed 440.	History of Education. (C) MWThF	Browne	110
Ed 462.	Psychology of Exceptional Children. (G) MTuThF	Keats	106
Ed 465.	Diagnostic and Remedial Instruction in Reading. (C) MWThF	Phelps	210
Ed 468.	Diagnostic and Remedial Techniques (Reading). (C) MWThF	Phelps	210
Ed 507.	Education Seminar: Research Studies in Childhood Education. MWThF	Cambrill	211
Ed 512.	Research Procedures in Education. MWThF	Bernard	109
Ed 531s.	Organization and Supervision of Visual Instruction. MWThF	Lawton	105
Ed 573.	Public-School Organization. MWThF	Spalding	102
Eng 202.	Shakespeare. (Second term.) MWThF	Oliver	205
Geog 105,	106. Introductory Geography. TuWThF	Dart	318
GL 1, 2.	First-Year German. Daily	Eaton	104
Hst 469.	Recent England. (G) MWThF	MacKirdy	307
Mth 201,	202, 203. Differential and Integral Calculus. Daily	Buschman	310
Mth 421,	422. Differential Equations. (g) TuWThF	Gibb	113
Mus 434.	Applied Theory. (C) MWThF	Elston	106
PE 371.	Kinesiology. MWThF	Holland	2
PE 411,	412, 413. Physical-Education Workshop. (g) MTuThF	Logan	Gym
PE 472.	Kinesiology. MWThF	Holland	2
Ph 201,	202, 203. General Physics. MTuThF	Walton	3-4
Phl 203.	Introduction to Philosophy. (Third term) MWThF	Dahlstrom	112
PS 420.	International Organization. (C) (Second term.) MWThF	Capper-Johnson	301

* 1914 S.W. Park Ave.

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SCHEDULE OF CLASSES

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Number	Course Title	Instructor	Room
Psy 407,	507. Seminar: Individual Differences Applied to Education. MWThF	Goodman	206
Psy 432.	Clinical Psychology. (G) MWThF	Boyd	212
RL 1, 2.	First-Year French. Daily	Wawrzyniak	313
Sc 201,	202, 203. Foundations of Physical Science. TuWThF	Payne	312
Sp 367.	Production of School and Community Plays. MTuThF		Auditorium
Sp 483.	Clinical Methods in Speech Correction. (C) MWThF	Dawson	209
Z 201,	202, 203. General Zoology. MTuWTh	McNab	314

10:00 a.m.

A 212.	Art Structure II: Design. MTuThF	Sohkurt	316
BA 111,	112, 113. Constructive Accounting. MTuWTh	Hinds	305
Ch 104,	105, 106. General Chemistry. Daily	Johnson	302
Ec 201.	Principles of Economics. (First term.) MTuThF	Campbell	318
Ed 358.	Primary Education. Daily	Dunlop	110
Ed 408.	Methods and Research Materials: Language Arts (G) MTuThF	Reed	203
Ed 409.	Psycho-Educational Clinic. (G) MTuWTh	Phelps, Bentall	
Ed 450.	Radio Education (Television) (G) MTuThF	Shattuck School	
Ed 460.	Psychology of Childhood. (G) MTuThF	Merrill	105
Ed 467.	Applied Mental Hygiene. MTuThF	Garrison	212
Ed 473.	Administration of the Elementary School. (G) MTuThF	Bernard	109
Ed 485.	Principles and Practices of Guidance Services (G) MTuThF	Cook	204
Ed 507.	Education Seminar: Human Relations. MTuThF	Ludwig	111
Ed 507.	Education Seminar: Problems of Higher Education. MTuThF	Cauglian, Schulz and Staff	211
Ed 508.	Workshop: Mathematics in the Secondary School. MTuThF	Epler	209
Ed 527.	Secondary-School Administration and Supervision. MTuThF	Hoel	210
Ed 544.	Philosophy of Education. MTuThF	Williams	206
Ed 556.	Elementary-School Supervision and Administration. MTuThF	Hovland	113
Eng 120.	Essentials of Speech I. MTuThF	Cook	204
Eng 388.	Children's Literature. (Section I) MTuThF	Dahlberg	106
Eng 393.	American Novel. (Third Term) MTuThF	Bond	112
Eng 482.	Major American Writers: The Romantic Idealists. (C) (Second term) MTuThF	Johnson	104
G 350.	Rocks and Minerals. MTuThF	Oliver	205
Hst 378.	American History and Government. (First term) MTuThF	Warner	2
Hst 445.	Europe since 1939. (G) MTuThF	Ellison	307
Mth 100.	Intermediate Algebra. Daily	Hoffmann	309
Mth 201,	202, 203. Differential and Integral Calculus. Daily	Eaton	306
Mus 283.	Music III. Music Education. MTuThF	Buschman	310
PE 411,	412, 413. Physical-Education Workshop. (g) MTuThF	Schoepfle	108
Ph 201,	202, 203. General Physics. MTuThF	Logan	Gym
PS 407,	507. Seminar: Problems of Democracy, Communism, Fascism. MTuThF	Walton	3-4
Psy 411.	Mental Hygiene. (g) MTuThF	Capper-Johnson	301
Psy 411.	Psychology of Infancy and Childhood. (C) MTuThF	Bernard	109
RL 1, 2.	First-Year French. Daily	Garrison	212
Sc 101,	102, 103. Biological Science Survey. MTuWTh	Wawrzyniak	313
Sc 201,	202, 203. Foundations of Physical Science. TuWThF	Pierson	314
Soc 407,	507. Seminar: Social Welfare Resources and Organization. (Use of Social Agencies by Teachers, Nurses, and other Professionals). MTuThF	Payne	312
Sp 111.	Fundamentals of Speech. (First term) MTuThF	Drum	102
Wr 311.	English Composition for Teachers. MTuWTh	Dahlberg	106
		Franchero	201

11:00 a.m.

BA 111,	112, 113. Constructive Accounting. MTuWTh	Hinds	305
BA 422.	Problems in Business Education. (G) MTuWTh	Richins	102
Ch 104,	105, 106. General Chemistry. Daily	Johnson	302
Ch 106.	General Chemistry. (Third term.) MTuWTh	Lange	306
Ch 206.	Qualitative Analysis. MTuWTh	Lange	305
Ec 416.	Economics of American Industry. (G) MTuWTh	Campbell	318
Ed 316.	Oregon School Law and System of Education. MWF	Collins	113
Ed 351.	Health Education. MTuWTh	Greenslade	2
Ed 408.	Methods and Research Materials: Art. (C) MTuWTh	Garrison	316
Ed 408.	Methods and Research Materials: Elementary School Science. (G) MTuWTh		
Ed 435.	Audio-Visual Aids. (C) (Section I) MTuWTh	Warner	301
Ed 461.	Adolescence: Growth and Development of the Individual. (G) MTuWTh	Merrill	105
Ed 507.	Education Seminar: Comparative Education. MTuWTh	Garrison	209
Ed 508.	Workshop: Curriculum Materials for Retarded Learners. MTuWTh	Browne	111
		Taylor	205

Number	Course Title	Instructor	Room
Ed 508.	Curriculum Workshop. Daily	Spalding	210
Ed 515.	Educational Statistics. (First term) MTuWF	Gibb	203
Ed 553.	Elementary-School Curriculum. MTuWF	Cook	204
Ed 567.	Curriculum Materials. MTuWF	Lawton	104
Ed 589.	Organization and Administration of Guidance Services. MTuWF	Ludwig	110
Eng 109.	World Literature (Third term). MTuWF	Weiss	206
Eng 261.	Survey of American Literature (First term) MTuWF	Franchero	109
Geog 330.	Geography of South America. MTuWF	Newhouse	212
Geog 430.	Geography of South America. (G) MTuWF	Newhouse	212
HE 450.	Elementary-School Health Education. (g) MTuWF	Greenslade	2
Hat 407, 507.	Seminar: Attitudes of Nationals of Other Countries Toward the United States. MTuWF	MacKirdy	201
Hat 470.	Leading Americans. (G) (First term) MTuWF	Ellison	307
Mth 201, 202, 203.	Differential and Integral Calculus. Daily	Buschman	310
Mus 408.	Seminar in Music History. (G) MTuWF	Elston	108
PE 411, 412, 413.	Physical Education Workshop. (g) MTuThF	Logan	Cym
Ph 201, 202, 203.	General Physics. MTuThF	Walton	3-4
Pay 204.	Psychology of Adjustment. MTuWF	Wilcox	312
Pay 412.	Psychology of Adolescence. (G) MTuWF	Garrison	209
Sc 101, 102, 103.	Biological Science Survey. MTuWF	Pierson	314
SSc 412.	Contemporary Problems (Second term) MTuWF	Hoffmann	309
Sp 424.	Speech Forms and Techniques in Group Control. (G) MTuWF	Dahlberg	106
Sp 482.	Speech Defects and Disorders. (G) MTuWF	Lillywhite	112

12:00 m.

A 352.	Art in Environment. MWF	Schukart	316
BA 407.	Seminar: Personnel Management. (G) MTuWTh	Richins	102
Ed 313.	Principles of Teaching. MTuWTh	Bernard	111
Ed 408.	Methods and Research Materials: Elementary Music. (G) MTuWTh	Schoepfle	108
Ed 418.	Elementary Tests and Measurements. (G) MTuWTh	Schulz	205
Ed 424.	Measurement in Education. (G) MTuWTh	Schulz	205
Ed 507.	Education Seminar: Junior and Senior High-School Science. MTuWTh	Warner	301
Ed 523.	School Activities. MTuWTh	Williams	206
Ed 565.	Curriculum Foundations. MTuWTh	Gambrell	211
Eng 102.	Survey of English Literature. (Second term). MTuWTh	Oliver	110
Eng 107.	World Literature (First term). MTuWTh	Bond	112
Eng 388.	Children's Literature. (Section II) MTuWTh	Dart	310
Geog 313s.	Geography of Oregon. MTuWTh	Dart	310
Geog 323.	Geography of the Pacific Northwest. MTuWTh	Newhouse	212
Geog 331.	Geography of Asia. MTuWTh	Newhouse	212
Geog 431.	Geography of Asia. (G) MTuWTh	MacKirdy	307
Hat 463.	British Dominions. (G) (First term) MTuWTh	Drews	309
Hat 499.	History of Japan. (G) (Third term) MTuWTh	Stehn	Auditorium
Mus 395.	Band. Daily	Wilcox	312
Pay 201.	General Psychology. (First term) TuWThF	Hovland	113
R 407.	Seminar: Religion in Contemporary Society. (g) MTuWTh	Wawrzyniak	318
RL 11, 12.	First-Year Spanish. Daily	Backlund	306
SS 121.	Typing. Daily	Voget	104
Soc 204.	General Sociology (First Term). MTuWTh	Drum	109
Soc 338.	Marriage and the Family. MTuWTh	Johnson	209
Wr 112.	English Composition. (Second Term). MTuWTh		

1:00 p.m.

Number	Course Title	Instructor	Room
A 217.	Lettering. TuTh	Foster	316
Ed 311.	Secondary Education in American Life. TuWThF	Gibb	204
Ed 354.	Introduction to Education. TuWThF	Gibb	204
Ed 359.	Intermediate and Upper-Grade Education. Daily	Dunlop	110
Ed 409.	Psycho-Educational Clinic. (G) MTuWF	Phelps, Bental	Shattuck School
Ed 415.	Supervised Teaching. (Elementary) M	Leavitt	103
Ed 464.	The Mentally Handicapped Child. (G) TuWThF	Taylor	206
Ed 478.	Improvement of Instruction in Reading. (G) TuWThF	Cook	212
Ed 487.	Counseling Techniques. (G) TuWThF	Ludwig	109
Ed 493.	Observation and Evaluation of Teaching. (G) MWThF	Reed and staff	Shattuck School
Ed 507.	Education Seminar: Foundations of Education. TuWThF	Epler, Browne and staff	205
Ed 507.	Education Seminar: Teaching of High-School English. TuWThF	Franchero	201
Ed 507.	Education Seminar: Principles of Television Broadcasting. TuWThF	Merrill	105
Ed 552.	Elementary-School Problems. TuWThF	Leavitt	103

Number	Course Title	Instructor	Room
Ed 566.	Curriculum Construction. TuWThF	Spalding, Santee	210
Eng 101.	Survey of English Literature. (First Term). TuWThF	Weiss	102
HE 464.	Health Instruction. (G) TuWThF	Holland	2
Mus 507.	Seminar: Band Techniques. TuWThF	Stehn	108
PE 341, 342, 343.	Teaching and Officiating Girls' Sports. TuWThF	Greenslade	Cym
PS 201.	American Governments. (First Term) TuWThF	Hoffmann	309
Pay 202.	General Psychology. (Second term). MTuWTh	Wilcox	312
RL 11, 12.	First-Year Spanish. Daily	Wawrzyniak	318
Sc 101, 102, 103.	Biological Science Survey. MTuWF	Pierson	314
Sp 370.	Phonetics. TuWThF	Blakely	104
Sp 411.	Speech for the Classroom Teacher. TuWThF	Dahlberg	106
SS 122, 123.	Typing. Daily	Backlund	306
Wr 113.	English Composition. (Third term). TuWThF	Johnson	209

2:00 p.m.

A 311.	Art Structure III. MTuWTh	Schukart	316
PE 406.	Special Problems: Folk and Square Dancing. Daily	Logan	Cym
Pay 208, 209, 210.	General Psychology Laboratory. MTuWTh	Wilcox	312
Wr 111.	English Composition. (First term) MTuWTh	Weiss	102

3:30 p.m.

Ch 104, 105, 106.	General Chemistry. Daily	Johnson	302
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One-Week Courses

Ed 407s.	Seminar: Parent-Teacher Organization. Daily 9:30 to 12:00 and 1:00 to 3:30 (August 17 to 21)	Moorhead	111
IE 412.	Driver Education and Training. Daily 8:00 to 12:00 and 1:00 to 5:00 (August 17 to 21)		2
IE 507.	Seminar: Advanced Course in Driver Education. Daily 8:00 to 12:00 and 1:00 to 5:00 (August 24 to 28)	Neyhart	2

Two-Week Courses

Ed 407, 507.	Seminar: School Health Problems. Daily 12:30 to 4:30 (July 13 to 24)	Palmquist	203
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Four-Week Courses**June 22-July 17 (First four weeks)**

Ed 572.	Public-School Administration. TuWThF, 8:00 to 10:00	Blankenship	103
Ed 574.	School Supervision. MTuThF, 10:00 to 12:00	Blankenship	103

July 20 to August 14 (Last four weeks)

Ed 575.	School Finance. TuWThF, 8:00 to 10:00	Hummel	103
Ed 576.	School Buildings. MTuThF, 10:00 to 12:00	Hummel	103

Six-Week Courses**June 22 to July 31**

AA 255.	Lower-Division Ceramics. MTuWTh, 1:00 to 4:00	Wright	Art Museum
AA 290.	Lower-Division Painting. MTuWTh, 9:00 to 12:00	McLarty	Art Museum

General Extension Division

Administration

JOHN FRANCIS CRAMER, D.Ed., Dean, General Extension Division; Director of Summer Sessions; Professor of Education.

VIRON ALONZO MOORE, M.S., Assistant Dean, General Extension Division; Associate Professor of Education.

JAMES CARL CAUGHLAN, Ph.D., Assistant Dean, General Extension Division; Professor of Education.

Department of State-Wide Services

VIRON ALONZO MOORE, M.S., Head of State-Wide Services; Associate Professor of Education.

HOWARD JOHN AKERS, M.A., Administrative Assistant, Department of State-Wide Services; Head of Correspondence Study; Assistant Professor of Education.

Portland State Extension Center

JAMES CARL CAUGHLAN, Ph.D., Head, Portland State Extension Center; Director of Night Program; Professor of Education.

STEPHEN E. EPLER, Ph.D., Director, Day Program; Professor of Education.

Radio Station KOAC

JAMES M. MORRIS, B.S., Program Manager; Associate Professor of Radio Speech.

Visual Instruction

WILLIAM CURTIS REID, Ph.D., Head of Department; Professor of Visual Instruction.

Portland Summer Session

JAMES CARL CAUGHLAN, Ph.D., Director; Professor of Education.

High School-College Relations

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