

OREGON STATE SYSTEM OF HIGHER EDUCATION

**PORTLAND  
SUMMER  
SESSION**

JUNE 22 - AUGUST 14

**1959**

PORTLAND  
EXTENSION  
CENTER

GENERAL  
EXTENSION  
DIVISION

**BULLETIN**



**General Extension Division**  
**BULLETIN**

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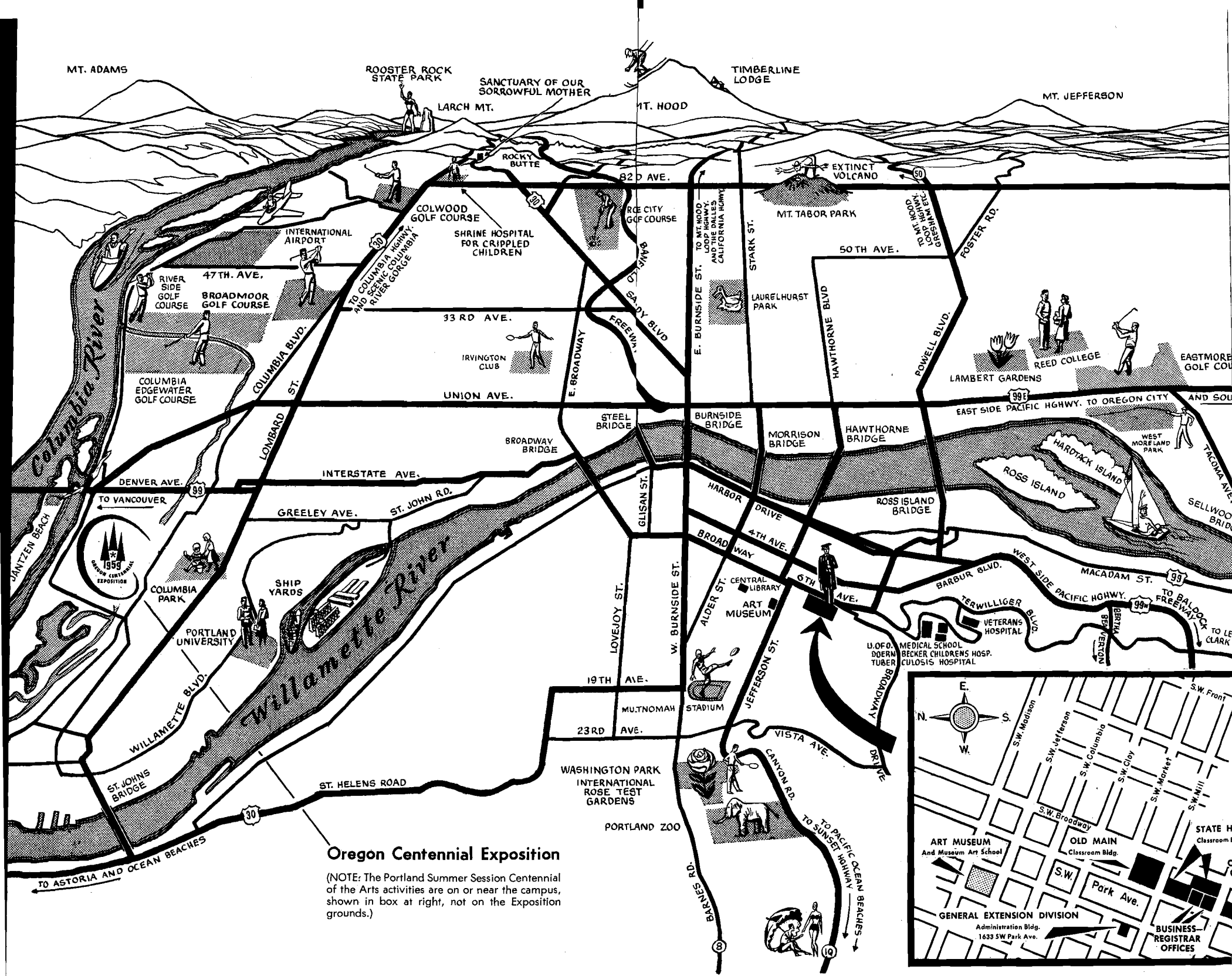
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APRIL, 1959

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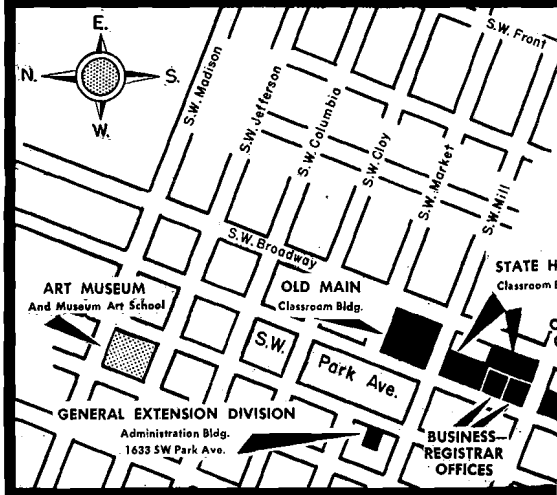
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Cover—Backdrop for this panoramic view of the city of Portland is snow-capped Mt. Hood, hub of a scenic and recreational area unsurpassed in the West. Only an hour away is Oregon's famed 400-mile Pacific coastline. Color plates courtesy of Oregon State Highway Department, Travel Information Division.



### Oregon Centennial Exposition

(NOTE: The Portland Summer Session Centennial of the Arts activities are on or near the campus, shown in box at right, not on the Exposition grounds.)





**OCCUPY MOST OF THE TIME**  
Portland Summer Session students, of  
course, but there is time for relaxation,  
too. The upper picture was taken at the  
Portland Student-Faculty Golf Tourna-  
ment last summer. The lower picture  
was taken at last year's Deep-Sea Fishing  
and Picnic, another annual event.



**THE NEW COLLEGE CENTER BUILDING**  
completed only last year, is the focal  
point for many Portland Summer Ses-  
sion activities. Below is pictured the  
spacious, comfortable student lounge,  
which overlooks the tree-lined Park-  
way. Above is the modern, efficient new  
cafeteria. The Cooperative Bookstore,  
games room, Snack Bar and meeting  
rooms are also located in this building.



GENERAL  
EXTENSION  
DIVISION  
**BULLETIN**

1959  
SUMMER SESSION  
JUNE 22 - AUGUST 14  
PRE-REGISTRATION JUNE 15-20



**PORTLAND SUMMER SESSION**  
**PORTLAND, OREGON**

**Oregon State System of Higher Education**

## Oregon State System of Higher Education

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

The institutions of the state system of higher education are the University of Oregon at Eugene, Oregon State College at Corvallis, Portland State College at Portland, Oregon College of Education at Monmouth, Southern Oregon College at Ashland, and Eastern Oregon College at La Grande. The Medical and Dental Schools of the University of Oregon are located in Portland. The General Extension Division, representing all the institutions, has headquarters in Portland and offices in Ashland, Corvallis, Eugene, La Grande, Monmouth, and Salem.

Each of the institutions provides the general studies fundamental to a well-rounded education. At the Oregon College of Education, Southern Oregon College, and Eastern Oregon College, students may complete major work in teacher education or general studies or enroll in a preprofessional program.

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

At the University and Oregon 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.

Six summer sessions are offered by the institutions of the state system of higher education. A brochure describing these sessions may be obtained by writing: "Oregon 1959 Summer Sessions, P. O. Box 1491, Portland 1, Oregon."

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# State Board of Higher Education

	Term Expires
HENRY F. CABELL, Portland.....	1960
CHARLES R. HOLLOWAY, JR., Portland.....	1961
A. S. GRANT, Baker.....	1962
CHERYL S. MACNAUGHTON, Portland.....	1963
J. W. FORRESTER, JR., Pendleton.....	1963
ALLAN HART, Portland.....	1964
DOUGLAS MCKEAN, Beaverton.....	1964
RALPH E. PURVINE, Salem.....	1965
WILLIAM E. WALSH.....	1965

## Officers

HENRY F. CABELL.....	President
WILLIAM E. WALSH.....	Vice-President

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JOHN R. RICHARDS, Ph.D., Chancellor  
EARL M. PALLETT, Ph.D., Secretary of Board

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Office of the State Board of Higher Education  
Post Office Box 5175  
Eugene, Oregon

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\* Board members are appointed to six-year terms by the Governor of Oregon with confirmation by the State Senate.



# 1959

## Portland Summer Session

### Academic Calendar

June 22, *Monday*, Registration. (Students may preregister June 15-20, Monday through Friday, 8:00 a.m.-5:00 p.m., and Saturday, 9:00-11:30 a.m.)

June 23, *Tuesday*, Classes begin.

June 24, *Wednesday*, Last day to enter class without instructor's signature.

June 25, *Thursday*, Late fee begins. Last day to change program without change of program fee.

June 29, *Monday*, Last day to register or to make program changes.

June 29, *Monday*, Last day to withdraw without responsibility for grades.

August 13-14, *Thursday* and *Friday*, Final Examinations.

August 14, *Friday*, Portland Summer Session ends.

NOTE: Registration for courses of less than eight weeks duration will be taken no later than the third day of the course.

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

**Portland Summer Session welcomes your inquiries.**

**Please address any questions you may have to:**

**Office of the Registrar  
Portland Summer Session  
1734 S.W. Park Ave.  
Portland 1, Ore.**

**We shall be happy to help you in any way we can.**

# The Summer Program

The forty-second annual Portland Summer Session will provide day-time offerings of both graduate and undergraduate courses based on the resources, curricula, and facilities of all the correlated schools which comprise Oregon's unified State System of Higher Education. An expanded program of evening offerings is also scheduled.

**LOCATION.** Most of the classes meet in the buildings of Portland State College, 1620 S.W. Park Avenue, Portland 1, Ore. Administrative offices are located at 1633 S.W. Park Avenue, Portland 1, Ore. Telephone number is CA 2-3201. Offices of the Business Manager and Registrar, at 1724-34 S.W. Park Avenue, are open from 8:00 a.m. to 5:00 p.m. weekdays (and 9:00 to 11:30 a.m. on Saturdays, during June only).

## Undergraduate Work

**ADMISSION AS AN UNDERGRADUATE.** The only requirement for admission to Portland Summer Session is ability to do the work. All students who seek degrees or certificates from one of the degree-granting units of the Oregon State System of Higher Education must satisfy 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 including residence requirements may be obtained from Registrars of the individual institutions within the State System.

**MAXIMUM LOAD.** Twelve term hours\* is the maximum credit which a student may earn in the eight-week summer session, except that undergraduates may enroll for thirteen hours in combinations of four or fewer courses which list a total of not more than thirteen hours of credit. (No exception to the twelve-hour rule is permitted in cases where all courses are taken for graduate credit). Additional credit may be earned in courses which end prior to the opening date of the eight-week session or which begin after the eight-week session has closed.

## Graduate Work

Certain masters' degrees granted by various institutions within the Oregon State System of Higher Education and the work toward these

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\* 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  $1\frac{1}{2}$ .

degrees which may be completed at Portland Summer Session (or at Portland Extension Center) are shown below:

**MASTER OF EDUCATION.** This degree may be taken either at University of Oregon or at Oregon State College. At either institution 12 hours of graduate credit must be earned in residence. The remainder may be completed in Portland.

The degree is regarded as a professional teaching degree and not necessarily as a research degree; however, at the University of Oregon a thesis or field study is required of candidates whose area of specialization is one of the following: (1) Administration; (2) Psychology, Measurement and Evaluation. At Oregon State College neither a thesis nor a field study is required under Options "C" or "B."

For the degree with either of the Oregon institutions a well-integrated program is planned for each individual candidate designed to improve his educational competence 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 students. For University of Oregon both the qualifying and final examinations are written. Oregon State College requires a written final examination, but no qualifying examination. Graduate work for the degree of Master of Education may be pursued with specialization in either the elementary or secondary fields.

**MASTER OF SCIENCE IN EDUCATION** (from Oregon colleges of education). Effective September 1, 1959, and affecting students who enter the Master of Science in Education program as of the fall quarter of 1959, Oregon College of Education will accept a maximum of 21 quarter hours of approved course work completed in Portland Summer Sessions; the remaining 24 quarter hours must be in residence. Eastern Oregon College and Southern Oregon College will accept a maximum of 15 quarter hours of course work completed in Portland Summer Sessions.

Graduate students officially accepted in the program prior to the fall term of 1959 may complete the program under the regulations in effect when they were accepted, providing it is completed within the approved time limit.

Requirements for the degree include a core of 18 hours in professional courses and nine hours in general courses. The thesis is optional with each student, but it is recommended for those planning further graduate work. The qualifying examination is written, and the final examination may be both written and oral.

**MASTER OF ARTS IN GENERAL STUDIES.** This is a research degree. It is open to individuals whose research interest and broad academic background, usually in three disciplines, make them eligible for graduate work wherein the offerings of several major departments are correlated.

A thesis is required. Before a candidate's course work can be planned, he must present and justify a thesis topic which involves a research project embracing several major departments. An acceptable thesis in General Studies cannot be typical of work normally presented to any single department for a departmental degree.

Under favorable circumstances all work toward this degree from Oregon State College may be completed in Portland, but the University of Oregon requires that candidates earn at least 33 hours in residence.

**MASTER OF ARTS (DEPARTMENTAL), MASTER OF SCIENCE, MASTER OF SCIENCE IN GENERAL STUDIES.** Programs for these degrees must be arranged with the candidate's major department at the degree-granting school selected. On approval by the major department a maximum of 15 hours of graduate work may be completed in Portland.

**ADVISERS.** Authorized advisers for any of the masters' degrees in education and for the Master of Arts in General Studies degree will be available at Portland Summer Session to assist students in planning programs and in establishing candidacy for the degrees. Students should note that a mere accumulation of graduate credit does not establish candidacy for any degree.

A group counseling session for all students who wish to begin a graduate program leading to the Master of Education degree from either the University of Oregon, Oregon State College, or Oregon College of Education will be conducted Monday, June 22, in Room 150, State Hall, at 11:00 a.m.

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

**TIME LIMIT.** Oregon institutions expect that all work for the master's degree, including work for which credit is transferred, thesis, and final examination, will be completed within a period of seven years.

**MAXIMUM LOAD.** Twelve term hours of graduate credit is the maximum which a student may earn in the eight-week summer session. Additional credit may be earned only in courses which end prior to the opening date of the eight-week session or which begin after the closing date.

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\* Qualifying examinations will be administered during the Summer Session at times and places to be announced early in the session.

## Special Programs for Teachers and Others

### Teacher Training Program

Portland Summer Session offers required courses for regular or emergency elementary certification and for secondary certification. Required courses for certificates in special education and in school administration also are offered. Teachers and administrators seeking to fulfill requirements for the various certificates, including administrators' certificates and certificates to teach handicapped or exceptional children, should consult an adviser, or should refer to *Oregon Rules and Regulations Governing the Certification of Teachers*, an annual publication of the Superintendent of Public Instruction, Salem, Oregon.

**CERTIFICATION FOR TEACHING EXCEPTIONAL CHILDREN.** Summer Session offerings are scheduled so that students who have the necessary prerequisites may complete certification requirements for teachers in the special areas of reading, speech, the mentally handicapped, and the hard-of-hearing.

**SPECIAL ADVANCED PROGRAMS FOR TEACHERS OF THE HANDICAPPED.** Advanced work for teachers of the visually handicapped, the hard-of-hearing, the mentally retarded, and the speech-impaired is offered for qualified teachers in each of these areas.

**CLINICS.** Demonstration clinics are scheduled for children with reading disabilities, emotional disturbances related to reading problems, mental retardation, speech problems, language disorders, impaired hearing, and visual impairment. Information regarding the clinics may be obtained at the Portland Summer Session administrative offices, 1633 S.W. Park Ave., CApitol 2-3201. Limited opportunities for observation are available to Summer Session students other than those enrolled in special education classes. Arrangements for observation may be made after June 22 at the Portland Summer Session administrative offices.

**DEMONSTRATION SCHOOL.** An eight-room elementary demonstration school will be operated at Shattuck School, 1914 S.W. Park Avenue. Students, other than those enrolled in supervised teaching, who wish to visit must make arrangements after June 22 with the principal of the school. Call CApitol 2-3201.

**WORKSHOPS.** An extensive selection of workshop-type offerings ranging from one to eight weeks in duration will provide teachers and others with opportunities for concentrated study in specialized areas. (*See listing of Workshops on p. 52.*)

### Art Cooperative Program

Six-week courses in lower-division ceramics and painting will be offered in cooperation with the Museum Art School, S.W. Park Avenue

at Madison Street. (*See Art listing on p. 17 of this bulletin.*) Registration for Museum Art School classes must be initiated at the Art School, and completed in the Registrar's office of Portland Summer Session.

### Deutsche Sommerschule am Pazifik

Portland Summer Session, in cooperation with Reed College and a group of leading colleges and universities in the Pacific Northwest, will again offer a program of intensive instruction in the German language and literature June 19 through August 6.

German will be used exclusively in and out of the classroom, and German movies, music, and art will help students live the language. The program carries six semester hours of undergraduate credit, and graduate credit by arrangement with the director. A number of scholarships are available.

Interested persons should communicate directly with Dr. H. F. Peters, Reed College, Portland 2, Ore.

### Liberal Education for Adults Program

The expanding Portland Extension Center-Portland Summer Session program of Liberal Education for Adults is many-sided and resists simple definition. Its over-all objective is to make available to any serious, mature student in any formal category—or in no formal category—the great wealth of educational and cultural opportunities to be found in the Portland area.

It is essentially a non-credit program, in that participation is not motivated primarily by the desire or need for academic credit. In some cases, however, the individual may enroll in courses which normally carry college credit, if these courses are in line with his specific interests. In any case, the individual himself selects the activities, and the extent of his participation, as his personal needs and interests dictate.

Representative of these Liberal Education for Adults activities are the special group of courses for individuals interested in foreign affairs and international relations, the increasingly popular motion-picture film showing and discussion programs, the workshops and lectures offered in connection with the annual Writers Conference, and many of the activities associated with the summer music, art, and drama programs.

Participation in any of the Liberal Education for Adults activities is open to credit and non-credit students alike and to the general public. The activities are richly varied, and the program itself is informally structured to accommodate individuals with an equally wide range of interests.

### Centennial of the Arts

A special group of credit and non-credit programs will be offered in Portland in connection with the Centennial of the Arts observance, an

official activity of the Oregon Centennial. Several of these are integral parts of the Portland Summer Session program; others, while not Portland Summer Session curricular activities, are, of course, open to Portland Summer Session students who wish to avail themselves of the opportunities to participate.

Among these Portland-area Centennial of the Arts activities are: an International Film Fair; a workshop and concerts conducted by the famed Hollywood String Quartet; workshops and productions in modern dance under Charles Weidman, internationally-known dancer; an exhibition and workshops conducted by Francis Chapin, leading contemporary artist; the second annual Writers Conference, featuring appearances by leading literary figures, including Jacques Barzun, noted critic, scholar, and author; Pulitzer Prize-winning poet Karl Shapiro; and Jessamyn West, author of best-selling novels; and a wide range of stimulating activities in the field of drama.

Brochures detailing the separate Centennial of the Arts activities are available on request.

### **Counseling Center for Adults**

The Portland Extension Center-Portland Summer Session Counseling Center for Adults was established in the 1958-59 school year in response to a continuing demand for an adult-level, professionally-staffed counseling service of a type not possible within the necessarily restricted framework of the regular student advisement program.

The Center's varied services, in three broad areas—personal, vocational, and educational counseling—are available to all registered evening and summer students, and to others on referral from cooperative schools and agencies.

### **Summer Institute for Teachers of Mathematics**

Under a grant from the National Science Foundation, Portland Summer Session will conduct a Summer Institute for High School Teachers of Mathematics July 13-August 28.

The scholarship provisions of the grant constitute an acknowledgment of the key role played by high school teachers of mathematics in increasing the nation's potential in this field. A group of distinguished out-of-state mathematicians will lecture in the areas of their specialties, and a State System team of mathematicians will serve as the local staff.

Additional information may be obtained from the Institute Director, Robert W. Rempfer, Portland Summer Session, 1620 S.W. Park Ave., Portland 1, Ore.

### **Counseling and Guidance Training Institute**

Under the National Defense Education Act, 60 scholarships have been made available to Oregon high school counselors who participate in

Portland Summer Session's Counseling and Guidance Training Institute June 22-August 14.

The scholarship funds, which constitute the bulk of the federal grant, were allocated to Portland Summer Session by the U. S. Office of Health, Education, and Welfare. Participants selected will receive \$75 per week and an additional \$15 dependent's allowance.

Participation carries 12 hours of graduate credit. General objective of the Institute is to upgrade the skills and knowledge of counselor-participants in identifying and encouraging able high school students, to the end of increasing the nation's manpower potential. Specialists in counselor training in State System and out-of-state colleges and universities will make up the Institute faculty. Director of the Institute is Dr. Daniel W. Fullmer, director of the Portland Extension Center-Portland Summer Session Counseling Center for Adults.

Scholarship application should be made directly to Dr. Fullmer at Portland Extension Center, 1633 S.W. Park Ave., Portland 1, Ore. Application should be made at the earliest possible date to assure consideration.

### College-Level Telecourses

Although telecourses of varying kinds have been offered previously by the State System's General Extension Division, the 1958-59 school year marked the first large-scale shift toward a long-range, continuing college-level educational television program in Portland, with a basic course format and "class" schedule essentially the same as those for regular campus classes.

The Portland Extension Center-Portland Summer Session educational television offerings are expected to be expanded considerably, as circumstances permit. Presently, the ETV project comprises both network and locally-produced offerings, and utilizes early-morning broadcast times on local commercial television stations.

The courses making up the core of the Portland Extension Center-Portland Summer Session ETV project are designed primarily for degree-oriented students, but non-credit participation is, of course, open to any others who can participate with profit to themselves.

## Registration Procedure

Students will register for the Summer Session Monday, June 22, from 8 a.m. to 5 p.m., and Tuesday and Thursday evenings, June 23 and 25, from 5:30 to 9 p.m. All classes except the early-session Workshops will begin Tuesday morning, June 23; the early-session Workshops will begin Monday morning, June 22.

On Monday, June 22, students will receive registration materials and instructions in Room 71, State Hall, S.W. Broadway at Montgomery St.



At other times, including Tuesday and Thursday evenings, June 23 and 25, registration is in the Registrar's Office, 1734 S.W. Park Ave.

Students who reside in Portland or vicinity are urged to register during the early registration period, Monday, June 15, through Saturday, June 20. Normally, registration can be accomplished more easily and quickly during this period.

**PROCEDURE FOR WORKSHOP REGISTRANTS.** Workshops scheduled to begin Monday, June 22, will meet on that day; all other classes begin Tuesday, June 23. For this reason, and because Workshop registration may involve scholarship applications or enrollment limitations, early registration for all summer Workshops is encouraged.

**PROCEDURE FOR GRADUATE STUDENTS.** Enrollment for graduate credit is in general identical with enrollment for undergraduate credit. However, *students electing graduate credit in a 400 (G) or 400 (g) course (see course numbering system p. 17) must so indicate at the time of registration for the course;* otherwise graduate credit cannot be granted. Graduate credit is not retroactively granted.

**PROCEDURE FOR VETERANS.** Students who wish to avail themselves of educational benefits under the terms of PL 550 ("Korean" GI Bill) should present their discharge papers and establish their eligibility through the Veterans' Administration Regional Office, 208 S.W. Fifth Avenue, Portland 4, Oregon. The process should be initiated as early as possible since two months may elapse before authorization is granted. Payments are made to students from the date of enrollment or from the date of authorization, whichever is later. Full-time undergraduate enrollment for PL 550 veterans is 11 or more term hours in the summer session; 9 or more term hours is considered full-time graduate enrollment.

Veteran students enrolled in Portland State College or in any other institution during spring term of 1959 must complete a transfer to Portland Summer Session in order to receive subsistence benefits from the Veterans' Administration. To insure early payment this transfer should be arranged before the end of the spring term.

Questions of veterans' eligibility and entitlement should be directed to the Veterans' Administration at the address given on the preceding page. Questions concerning Portland Summer Session procedures for veterans should be addressed to Veterans' Clerk, Registrar's Office, 1734 S.W. Park Ave., Portland 1, Ore.

## Summer Session Fees

(Office Hours: 8:00 a.m.-5:00 p.m., Monday through Friday, during entire session;  
9:00-11:30 a.m. on Saturdays during June only;  
5:30-9:00 p.m., Tuesday, June 23, and Thursday, June 25, only)

Summer Session Registration Fees Are as Follows:

FULL-TIME STUDENTS AND AUDITORS (7 credit hours or more) .....\$74.00

**PART-TIME STUDENTS AND AUDITORS**

(for 6 credit hours or less)—per credit hour (minimum \$18)	\$ 9.00
1 credit hour	\$18.00
2 credit hours	18.00
3 credit hours	27.00
4 credit hours	36.00
5 credit hours	45.00
6 credit hours	54.00

For noncredit college preparatory courses, charges shall be based upon units of time spent in class each week on a basis equivalent to \$9 per credit hour.

**SHORT COURSES AND WORKSHOPS**—Follow above schedule according to credit-hour load.

**STAFF FEES**—Academic staff members with .50 FTE or more, but less than 1.00 FTE, may take a maximum of 10 credit hours. Full-time staff members, both academic and non-academic, may take a maximum of 5 credit hours. No fees for staff members to audit courses.

Fees for staff members in all categories above, taking courses for credit, per credit hour .....\$3.00

**SPECIAL FEES**—Late registration full-time students (due after third day of a session), per day (not applicable to short courses).....\$1.00

If institutional charges are met by a check which is returned because of any irregularity for which the student is responsible (NSF, illegible signature, improper bank account number, etc.), a fine of \$1.00 per business day will be charged (maximum penalty, \$5.00).

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

**NOTE:** \$74.00 covers all courses of the 8-week summer session, including all short courses begun prior to or within that period and completed by the end of the 8 weeks. For post-session courses which end after regular session, students will be charged at the rate of the part-time fee, \$9 per credit hour.

## Fee Refunds

Students whose official withdrawal from summer session has been completed in the Registrar's office may be entitled to certain refunds of registration fees paid. *Refunds in all cases are calculated from June 22 to the date of application for the refund and not from the date the student may have registered or may have ceased attending classes. Claims for refunds must be made in writing.*

## Library Regulations and Charges

**Note:** The library card is issued upon presentation of the student's tuition receipt. This receipt should therefore be preserved, even when payment of tuition is by check.

A student who has a library card issued during the regular academic year should use this same card during the Summer Session. This card will be validated for Summer Session use upon presentation of the student's tuition receipt.

The following regulations govern library fines and charges:

1. A fine of 5 cents per day is charged for all overdue books other than reserve books.

2. The following fines are charged for violation of rules governing reserve books and material circulated by special permission: (a) For overdue books, a regular fine of 25 cents for the first hour and 5 cents for each succeeding hour, or fraction thereof, until the book is returned or reported lost. A maximum charge of \$1.00 per hour may be made in cases of flagrant violation of the rule. (b) For failure to return books to proper department desks, a fine of 25 cents is levied.

3. Books needed for use in the library are subject to recall at any time. A maximum fine of \$1.00 a day may be imposed for failure to return promptly.

4. A service charge of 10 cents is added to all fines reported to the business office for collection.

5. Borrowers losing books are charged the replacement cost of the book, plus the amount of fine incurred up to the time the book is reported missing. In addition, a charge of \$1.00 is made to cover the cost of cataloging and processing the replacement copy.

6. When a lost book, for which the borrower has been billed, is returned before a replacement has been ordered, a refund not exceeding the replacement cost plus the \$1.00 cataloging and processing charge may be made at the discretion of the librarian.

7. Borrowers are issued a library card for use in the charge-out machine. A replacement fee of 25 cents is charged if this card is lost, or is not returned when student withdraws during a term.

## General Services

**LIBRARIES.** Portland Extension Center Library, located on the second floor of Old Main building, will be open during Portland Summer Session from 7:30 a.m. to 4:30 p.m. Mondays through Fridays. In addition, the Reserve Room will be open from 5:30-8:30 p.m. Mondays, Tuesdays, Wednesdays, and Thursdays.

In addition to the Portland Extension Center Library, the Portland Central Library collection, totaling more than three-fourths of a million volumes, is available to Summer Session students. Portland Central Library is located at 810 S. W. 10th Avenue. It is open from 9:00 a.m. to 9:00 p.m. weekdays and from 9:00 a.m. to 6:00 p.m. on Saturdays. The library will be closed on Sundays.

**COLLEGE CENTER.** The new College Center is located on the corner of S. W. Montgomery Street and Park Avenue. Every regularly-registered student may use the varied facilities offered in the College Center and may participate in the summer social and activity programs.

Students and faculty may use the College Center cafeteria and snack bar, and the dining rooms where group luncheons and dinners are served. There are also meeting rooms and a spacious lounge where art and other special exhibits are displayed. A cooperative bookstore and game room, with billiards and table tennis, are located on the lower floor.

All College Center facilities are open from 7:30 a.m. to 8:30 p.m. Monday through Thursday, and until 4:30 p.m. on Friday.

**TEXTBOOKS AND SUPPLIES.** All required texts and supplies may be pur-

chased from the Cooperative Bookstore located in the College Center building.

**COUNSELING CENTER FOR ADULTS.** Professional counseling services are available to all regularly-registered evening and summer students, and to others on referral from cooperating schools and agencies. Information may be obtained at the Center's offices on the second floor of the General Extension Division building, 1633 S. W. Park Avenue.

**HOUSING.** 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 John F. Jenkins, 1620 S. W. Park Avenue, Portland 1, Oregon.

**ASSEMBLIES.** Each Wednesday from 10:00 to 10:50 a.m. an assembly is scheduled in the auditorium. (Classes scheduled for this day and hour will meet as usual, unless instructors feel that the program is relevant to the class work.)

**RECREATION.** Summer Session students may enjoy the varied recreational facilities of the Portland metropolitan area. Conveniently located parks and playgrounds, swimming pools, golf courses and tennis courts, theaters and musical events, Portland Art Museum, and excellent library services are available. In addition, Portland offers easy access to the beautiful beaches of the famed Oregon coast, and to alpine resorts in the surrounding mountain ranges. A summer session recreational program, including organized trips and other activities, will be directed by the staff.

# 1959

## Portland Summer Session

### Description of Courses

**COURSE NUMBERING SYSTEM.** The courses in this catalog are numbered in accordance with the course-numbering system of the Oregon State System of Higher Education. Lower-division (freshman and sophomore) courses are numbered below 300. Upper-division (junior and senior) courses are numbered from 300 to 499. Graduate courses are numbered 500-599. A large (G) following the title of a 400 course indicates that the course may be taken for either major or minor graduate credit. A small (g) following the title of a 400 course indicates that the course is approved for graduate minor credit only. Numbers less than 50 indicate non-credit courses.

**INSTITUTIONAL SOURCE OF COURSES.** For the convenience of students using this catalog the letters *U*, *S*, *C*, *P*, and *E* appear in the left margin before course descriptions. The letter *U* refers to University of Oregon, *S* to Oregon State College, *P* to Portland State College, *C* to the colleges of education, and *E* to 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.

### Anthropology

Faculty: STAFF

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

Man as a living organism; biological evaluation; the human cycle. TuWThF, 1:00, Room 105 OM.

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

Racial classifications and comparisons; the biological base of culture; attitudes toward race in human relations. Prerequisite: 9 hours in anthropology or consent of instructor. MTuWF, 11:00, Room 112 OM.

### Art

Faculty: CHAPIN, COLESCOTT, HASKIN, HEIDEL, JARVIS, PICKINS, PRASCH, SHORES, WALKER

(P) AA 255. **Ceramics.** 3 hours.

(June 22-July 31.) Introduction to ceramic techniques and materials. Throwing, moulding, and hand building. Surface decoration of two- and three-dimensional surfaces. Students participate in stacking, firing, and drawing the kilns. Open to non-majors. Course fee \$20.00 in addition to registration fee. Shores. MTuWF, 1:00 to 4:00, Art Museum.

**(P) AA 290. Painting.** 3 hours.

(June 22-July 31.) Instruction in the use of oil color, water color, and other media. Twelve term hours required for upper-division standing. Course fee \$7.50 in addition to registration fee. Section I: Jarvis. MTuWTh, 1:00 to 4:00, Art Museum.

**(P) AA 290. Painting.** 2-3 hours.

Instruction in the use of oil color, water color, and other media. Twelve term hours required for upper-division standing. Section II: Heidel. TuTh, 6:45-9:15 *evening*, Room 373 OM.

**(P) AA 291. Drawing.** 2-3 hours.

Training in observation and selection of significant elements. Six term hours required for upper-division standing. Prasch. TuWThF, 12:00 to 2:00, Room 317 OM.

**(P) AA 311, 312, 313. Creative Arts and Crafts for the Classroom Teacher.** 3 hours each.

Art activities for the classroom teacher. Basic tools and materials. Planning the art program to meet the needs of the child. Art in the school curriculum. Art experiences in relation to child growth and development. Lectures and laboratory work. Prerequisites for AA 313 are AA 311 and 312.

AA 311. Colescott. MWThF, 9:00, Room 319 OM.

AA 312. Section I: Pickens. TuWThF, 8:00, Room 319 OM.

AA 313. Colescott. MTuThF, 10:00, Room 319 OM.

AA 312. Section II: Colescott. MTuWTh, 12:00, Room 319 OM.

**(P) AA 365. Introduction to the History of Art.** (Third Term). 3 hours.

An historical survey of the visual arts, painting, sculpture, architecture, and the applied arts, studied in relation to the cultures of the various periods. Special emphasis on the evolution of contemporary art forms and the varied movements in art, from nineteenth century Romanticism through twentieth century Cubism. Prasch. MTuWF, 11:00, Room 313 OM.

**(U) AA 381. Water Color.** 3 hours.

Continuation of AA 292. The technique and use of water color, with particular attention to landscape material. Prerequisite: consent of instructor. Heidel. MWThF, 2:00 to 4:00, Room 373 OM.

**(P) AA 397. Advanced Figure Composition and Design.** (Second Term). 3 hours.

Advanced problems in design and figure composition. Work from the model is stressed. Various painting and drawing media are used. Prerequisite: 6 term hours in AA 290, 291, or 295, or consent of instructor. Heidel. TuWThF, 12:00 to 2:00, Room 373 OM.

**(P) AA 401. Special Studies.** Hours to be arranged. Staff.**(P) AA 401. Special Studies: Jewelry.** 3 hours.

Design exploration in base and precious metals and other basic jewelry materials such as semi-precious stones, ivory, and ebony. Development of small sculptural forms by torch-fusing and soldering. Torch and kiln-firing of enamels. Coloring of metals, including gold-plating. Gem-stone polishing. Other jewelry techniques. Beginning and advanced sections. Walker. MTuThF, 2:00, Arts and Crafts Society, 2381 N. W. Flanders, Portland.

**(U) ArE 401. Special Studies: Arts and Crafts for Teachers.** 3 hours.

Haskin. (See **Workshops**, page 52.)

**(P) AA 414. Art in the Secondary School. (First Term). 3 hours.**

A study of the secondary art program: content, teaching materials, methods, techniques of organizing art experiences; the place of art in the curriculum. Lectures, readings, laboratory work, and discussion of classroom problems. Pickens. MTuWF, 11:00, Room 317 OM.

**(U) AA 490. Advanced Painting. (g) 1-2 hours.**

(July 27-August 7.) A part of the Centennial of the Arts Festival program. Open to experienced painters. Mr. Chapin and Mr. Prasch will conduct morning workshops. Students interested in enrolling for credit must apply in advance to Mr. Prasch, 1633 S. W. Park Avenue, Portland. Chapin, Prasch. Daily, 8:00 to 11:00, Room 373 OM.

**(U) ArE 501. Special Studies: Arts and Crafts for Teachers. 3 hours.**

Haskin. (See Workshops, page 52.)

## Business Administration

Faculty: BOYD, BURRELL, CAMPBELL, DAVIS, MATTHIES, RICHINS.

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

Techniques of account construction; preparation of financial statements. Application of accounting principles to practical business problems. Required of majors, prerequisite to advanced work in business.

BA 111. June 22-July 9. Section I: Boyd. TuWThF, 9:00-12:00, Room 249 SH.

BA 111. June 22-August 14. Section II: Matthies. MW, 6:00 to 8:00 evening, Room 303 SH.

BA 112. July 10-July 28. Boyd. TuWThF, 9:00-12:00, Room 249 SH.

BA 113. July 29-August 14. Boyd. TuWThF, 9:00-12:00, Room 249 SH.

**(P) BA 121. Introduction to Business and Industry. 3 hours.**

Survey of business organization, and management intended to orient the student in business and industry and to help him determine a field of major concentration. Matthies. MWThF, 2:00, Room 113 OM.

**(P) BA 221. Elements of Organization and Production. 4 hours.**

Principles of management as applied to commercial and industrial concerns. Richins. Daily, 12:00, Room 171 SH.

**(P) BA 222. Elements of Finance. 4 hours.**

The financial problems of corporations. Organization of corporations; how they obtain long-term funds; management of working capital; distribution of securities. Required of all majors. Prerequisite: BA 111, 112, 113. Burrell. Daily, 9:00, Room 171 SH.

**(P) BA 223. Elements of Marketing. 4 hours.**

Methods, policies, and problems. Private and cooperative channels, auctions, exchanges, middlemen; demand creation, assembly, standardization, packaging, financing, risk taking, distribution. Required of business administration majors. Campbell. TuTh, 6:45 to 9:15 evening, Room 101 SH.

**(U) Ac 312. Principles of Cost Accounting. 3 hours.**

Principles of cost-accumulation and cost-accounting techniques, including the methods of job-order, process, and standard costs; cost-control devices and managerial use and analysis of cost-accounting data. Prerequisite: BA 111, 112, 113. Matthies. MW, 8:00 to 10:00 evening, Room 303 SH.

- (U) BEd 407. **Seminar: Office Organization and Management.** (G) 4 hours.

Elements of office organization, office management, office records and systems; special study of the office manager as an executive, and of his qualifications. Prerequisite: junior standing. Burrell. MW, 6:45 to 9:15 evening, Room 145 SH.

- (U) MPM 412. **Personnel Management.** (G) 3 hours.

The place and significance of personnel management in the modern business organization; personnel policies and practices conducive to good relations with employees; personnel problems of small organizations. Prerequisite: BA 221, BA 222, BA 223. Davis. MW, 6:00 to 8:00 evening, Room 147 SH.

- (U) MPM 435. **Marketing Management.** (G) 3 hours.

Structure of sales organizations; sales policies; control of sales operations; sales planning; market analysis; coordination of production and sales; selection, training, and management of salesmen. Prerequisite: BA 223. Richins. TuTh, 8:00 to 10:00 evening, Room 303 SH.

- (U) MPM 442. **Principles of Salesmanship.** (G) 3 hours.

Principles and techniques of personal salesmanship; selling reactions. From the standpoint of seller and buyer. Prerequisite: BA 223. Richins. TuTh, 6:00 to 8:00 evening, Room 303 SH.

- (U) MPM 454. **Fundamentals of Risk and Insurance.** (G) 4 hours.

Basic principles of insurance and risk bearing; major fields of private insurance—property, casualty, life, marine; emphasis on elements common to all fields. Insurance in the economy; various ways of handling risk; types of insurance carriers; reinsurance; major contract provisions; insurance regulations. Burrell. TuTh, 6:45-9:15, evening, Room 149 SH.

See the following listed under **Secretarial Science**:

- (P) SS 111. **Stenography. Section I.** 3 hours. Briggs.

- (P) SS 111. **Stenography. Section II: Briefhand.** 3 hours. Oliver, P.

- (P) SS 121. **Typing.** 2 hours. Briggs.

- (S) BEd 536. **Problems and Research Techniques in Business Education.** 3 hours. Briggs.

## Driver Education

FACULTY: EALES, URLAUB

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

(August 17-28.) 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. Eales. Daily, 9:00 to 12:00 and 1:00 to 3:00, Room 101 SH.

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

(August 17-28.) Designed especially for individuals who have completed the basic course and wish advanced training. Prerequisite: IE 412 and at least one year of teaching experience in driver-training instruction or consent of instructor. Urlaub. Daily, 9:00 to 12:00 and 1:00 to 3:00, Room 103 SH.



## Economics

Faculty: HALLEY, TUTTLE

(P) Ec 201, 202. **Principles of Economics.** (First and Second Terms). 3 hours each.

Principles that underlie production, exchange, distribution, etc. Prerequisite: sophomore standing.

Ec 201. Tuttle. MTuWF, 11:00, Room 147 SH.

Ec 202. Halley. TuTh, 6:00 to 8:00 evening, Room 247 SH.

(P) Ec 311. **Public Finance.** 3 hours.

Principles and problems of government financing. Expenditures, revenues, debt, and financial administration. Prerequisite: Ec 201, 202, 203 or consent of instructor. Tuttle. TuWThF, 1:00, Room 147 SH.

(U) Ec 407. **Seminar: Economic History of the United States.** (g) 3 hours.

Economic history from 1860 to the present. Functional approach to the study of the expansion of the economic frontier after 1860 and its disappearance in 1890. Changes in domestic and international economic policies resulting from the United States' reaching maturity as a debtor nation, then becoming a creditor nation, are presented, as are new situations following the close of two world wars. Problems connected with the rise of labor unions, banking and credit policies, and the impact of technological developments on the American economy are analyzed. Teachers of the social sciences will find this course particularly helpful and interesting. Tuttle. MW, 8:00 to 10:00 evening, Room 247 SH.

(U) Ec 407. **Seminar: Economic Problems.** (g) 6 hours.

Halley. (See **Workshop: Economic Education under Workshops, page 52.**)

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

Contemporary economic conditions and problems; analysis of policies and practices affecting such problems. Prerequisite: Ec 201, 202, 203. Halley. TuTh, 8:00 to 10:00 evening, Room 247 SH.

## Education

Faculty: ALSIP, ANDERSON, BENNEE, BERNARD, BIERMAN, BLECHA, BOYD, BREEN, BRIGGS, BROOKS, BRUNER, CHOATE, CREEDON, DARLAND, DOHERTY, FERRIER, FULLMER, GAYNOR, GREENSLADE, GUY, HAAS, HALLEY, HASKIN, HITCHCOCK, HOEL, HOPSON, HUGHES, HUMMELL, HUNTSBURGER, JENKINS, JONES (J.), JONES (M.), LARIVIERE, LEAVITT, LESLIE, LYMAN, MACOMBER, MALTER, MCCOLLUM, MEINDL, MINEAR, MOORHEAD, MORRISON, MOSHER, NEWHOUSE, OLIVER, PETERSEN, PHELPS, PHILLIPS, PICKENS, PIERSON, ROBERTS, RUDELL, SCHMIDT, SCHULZ, SINCLAIR, SMITH, SPALDING, STONER, STOTLER, TAYLOR, WATSON, WESLEY, WILLIAMS, WILSON, WOLF

(P) Ed 111. **Orientation to Teaching.** 3 hours.

This course is intended to assist prospective teachers to make effective adjustments to college and social needs through acquainting them with methods of study, use of library, time budgeting, and social and recreational opportunities. It will also provide opportunity for becoming acquainted with the demands and rewards of the teaching profession. Tests will be given in order that each student may understand how nearly his speech, hearing, vision and personality fit him for teaching. Guy. MWThF, 9:00, Room 120 OM.

**(P) Ed 310. School in American Life. 3 hours.**

A course designed to acquaint prospective teachers with the historical and philosophical background and development of the American public school. Special attention will be given to the development of the present day curriculum practices and comparison of opposing philosophies of education. In this course attention will be devoted to Oregon School Law and System of Education.

Section I: Guy. MTuWTh, 12:00, Room 214 OM.

Section II: Gaynor. MTuWF, 11:00, Room 214 OM.

Section III. Ferrier. MWThF, 9:00, Room 103 OM.

**(P) Psy 311. Human Development. 3 hours.**

Development of the child as an individual and as a member of social groups. Included is a comparative study of different home and school environments as they influence the psychological growth of the child. Field projects supplement the class work. Primarily for majors in education. Prerequisite: Psy 201, 202.

Section I: Wilson. TuWThF, 8:00, Room 221 SH.

Section II: Wesley. TuWThF, 1:00, Room 221 SH.

Section III: Schulz. MTuThF, 10:00, Room 221 SH.

Section IV: Lyman. MW, 8:00 to 10:00 evening, Room 201 SH.

**(P) Ed 312. Educational Psychology: Learning. 3 hours.**

A consideration of the nature of the learner, changes which occur in learning processes, conditions under which learning best takes place, and the characteristics and methods of the teacher who directs learning in the school. Basic concepts of measurement are utilized to evaluate the changes which characterize learning. Field experiences supplement theoretical study. Prerequisite: Psy 201, 202.

Section I: Malter. MTuWF, 11:00, Room 206 OM.

Section II: Schulz. TuWThF, 8:00, Room 206 OM.

**(P) Ed 314. Principles of Secondary Teaching. 3 hours.**

Different methods of presentation of subject-matter; values and weaknesses of each method; individual and group differences; extracurricular activity programs; measuring the results of teaching. Prerequisite: Ed 310, 312. Anderson. TuWThF, 8:00, Room 214 OM.

**(P) Ed 344. Physical Education in the Grades. 3 hours.**

Theory and practice in rhythm; singing games, group and folk dancing; stunts, games, self-testing activities, tumbling; materials; planning and evaluating programs with reference to basic principles of physical education. Gaynor. TuWThF, 8:00, Gym.

**(P) Ed 351. Health Education. 3 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: GS 101, 102, 103. Greenslade. MTuWF, 11:00, Room 103 OM.

**(P) Ed 356. Methods and Materials: Reading in the Elementary School. 3 hours.**

The place of reading in the modern elementary school. Trends and practices in reading instruction and prevention of reading difficulties. A study of appropriate materials and methods. Prerequisite: Ed 310, 312, and Psy 311.

Section I: Phillips. TuWThF, 8:00, Room 207 OM.

Section II: Stoner. MWThF, 2:00, Room 207 OM.

Section III: Stoner. MTuWTh, 12:00, Room 207 OM.

**(P) Ed 358. Methods and Materials: Language Arts and Social Studies. 3 hours.**

Trends and practices in listening, speaking, spelling, handwriting and English.

Educational objectives of social studies and social problems of elementary school pupils. Organization and planning of a unit of work. Attention will be given to appropriate methods and materials in language arts and social studies. Prerequisite: Ed 310, 312, and Psy 311.

Section I: Choate. TuWThF, 1:00, Room 207 OM.

Section II: Phillips. MWThF, 9:00, Room 207 OM.

Section III: Mosher. MTuWF, 11:00, Room 207 OM.

(P) Ed 359. **Methods and Materials: Science and Mathematics.** 3 hours.

Science and mathematics in the elementary schools. Methods in the area of science, including experiments, demonstrations, trips, and instructional materials. Trends and practices in the teaching of mathematics. Emphasis will be placed upon basic principles, research studies, problem solving, and the utilization of life situations. Prerequisite: Ed 310, 312, and Psy 311.

Section I: Leavitt. TuWThF, 1:00, Room 213 OM.

Section II: McCollum. MTuThF, 10:00, Room 207 OM.

Section III: McCollum. MWThF, 9:00, Room 213 OM.

(P) Ed 380. **Elementary-School Library.** 3 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 services of the school library to the community. LaRiviere. MWThF, 2:00, Room 120 OM.

(P) Eng 388. **Children's Literature and Library.** 3 hours.

An introductory course designed to give acquaintance with some significant books for children, with emphasis on the quality of a book: its format, text, and illustrations. An investigation of school library procedures with suggestions for the presentation of children's literature in the elementary school. Petersen. MTuWTh, 12:00, Room 110 OM.

(P) Ed 389. **Reading and Telling Children's Stories.** 3 hours.

An introduction to the collection of old folk and modern fanciful tales, with laboratory practice in the reading and telling of stories for children through the elementary grades. Prerequisite: Eng 388 or consent of instructor. Registration only by consent of instructor. Petersen. TuWThF, 1:00, Room 206 OM.

(P) Ed 390. **Enriching Children's Reading.** 3 hours.

A study of the enrichment of children's reading through literature. An advanced course designed for parents and teachers of nursery, kindergarten, and elementary school children. Prerequisite: Eng 388 or consent of instructor. Petersen. MTuThF, 10:00, Room 206 OM.

(P) Ed 401. **Research.** Hours to be arranged.

(U) ArE 401. **Special Studies: Arts and Crafts for Teachers.** 3 hours.

Haskin. (See Workshops, page 52.)

(S) Ed 407. **Seminar: Workshop in Conservation Education for Elementary and Secondary Teachers.** 3 hours.

Hopson, Brooks. (See Workshops, page 52.)

(S) Ed 407. **Seminar: Workshop in Advanced Conservation Education for Elementary and Secondary Teachers.** 3 hours.

Hopson, Brooks. (See Workshops, page 52.)

**(U) Ed 409. Psycho-Educational Clinic. (G) 3 hours.**

Supervised clinical practice in diagnosis and remediation of exceptional children. Prerequisite: Psy 424 or 425; Ed 465. Requires a two-hour block of time and must include the 10:00 o'clock demonstration hour. Phelps. MWThF, 9:00, Shattuck School.

**(C) Ed 410. Methods and Research Materials. (G) 3 hours.**

Problems and methods in selecting and organizing materials for teaching. 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. Maximum 6 hours undergraduate and 9 hours graduate credit may be earned in Ed 410 courses. Students may not enroll for more than three hours credit in any one area during the summer session. Students must indicate at the time of registration whether level of study is elementary or secondary.

Language Arts: Choate. MTuWTh, 12:00, Room 206 OM.

Social Studies: Phelps. MTuWF, 11:00, Room 213 OM.

Reading: Choate. MTuThF, 10:00, Room 213 OM.

Arithmetic: Leavitt. MTuWTh, 12:00, Room 213 OM.

**(C) Ed 410. Methods and Research Materials: Art. (G) 3 hours.**

Laboratory work for classroom teachers and experienced art teachers; to examine contemporary teaching practices and philosophy of art education and to develop new uses for experimental materials through personal exploration. These activities will provide experienced art teachers with a basis for an expanded philosophy of education through art; they will enable classroom teachers to make greater contributions toward the growth of the art curriculum in their schools. Pickens. MWThF, 9:00, Room 317 OM.

**(C) Ed 410. Methods and Research Materials: Elementary School Science. (G) 3 hours.**

Leavitt, Blecha, Huntsberger. (See Workshops, page 52.)

**(C) Ed 415. Student Teaching: Elementary. 3 or 6 hours.**

This course involves observation and teaching under the direction of a supervising teacher. Students will be provided with opportunities for assuming direct responsibility for the learning activities of children, developing skill in the techniques of teaching and schoolroom management, and participating in the life of the school. Weekly seminar. A limited number of local residents who are graduates of three- or four-year teacher education programs can be accommodated. Applications must be submitted in advance. List of prerequisites and application forms can be secured from Supervisor of Elementary Student teachers, Portland Summer Session. Bruner. Daily, as arranged, and Thursday, 2:00 to 4:00, Shattuck School.

**(U) Ed 416. Student Teaching: Secondary. 9 hours.**

Supervised teaching experience in limited phases of high-school teaching. Two seminars weekly. A limited number of college graduates can be accommodated in the fields available. List of prerequisites and application forms can be secured from the Supervisor of Secondary Student Teachers, Portland Summer Session. Anderson, Jenkins. Seminar: TuTh, 2:00 to 4:00, Room 106 OM.

**(C) 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. Wilson. MWThF, 9:00, Room 104 OM.

- (S) Ed 435. **Audio-Visual Aids.** (G) 3 hours.  
 Film, slide, chart and other visual materials; selection and use to best advantage; operation of projectors and other equipment. Prerequisite: senior standing or consent of instructor. Malter.  
 Section I: TuWThF, 8:00, Room 215 OM.  
 Section II: MTuThF, 10:00, Room 215 OM.
- (S) Ed 440. **History of Education.** (G) 3 hours.  
 Growth and development of education; Plato, Aristotle, Renaissance educators, Comenius, Locks, Rousseau, Pestalozzi, Froebel, Herbert Spencer, and Dewey. Prerequisite: Ed 310, 312. Breen. TuWThF, 1:00, Room 102 OM.
- (U) Ed 455. **Primary-Education Workshop: Teaching in the Self-Contained Classroom.** (G) 3 hours.  
 Mosher. (See **Workshops**, page 52.)
- (U) Ed 457. **Intermediate and Upper-Grade Workshop: Teaching in the Self-Contained Classroom.** (G) 3 hours.  
 Mosher. (See **Workshops**, page 52.)
- (U) Psy 460. **Developmental Psychology I: Infancy and Childhood.** (g) 3 hours, (See Psy 461.)
- (U) Psy 461. **Developmental Psychology II: Adolescence and Maturity.** (g) 3 hours.  
 Development of behavior and psychological activity through the prenatal period, infancy, childhood, adolescence, maturity, and old age. Changes of intelligence, motor capacity, emotional response, language, and social behavior. Emphasis on social influence.  
 Psy 460. Lyman. MTuWTh, 12:00, Room 221 SH.  
 Psy 461. Bernard. TuWThF, 8:00, Room 208 OM.
- (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. Creedon. MTuWTh, 12:00, Room 103 OM.
- (U) Ed 463. **The Maladjusted Child.** (G) 3 hours.  
 The discovery and treatment of the emotionally and socially maladjusted child; the home, school, and community in relation to the child's mental health. Creedon. TuWThF, 1:00, Room 103 OM.
- (U) Ed 464. **The Mentally Retarded Child.** (G) 3 hours.  
 Identification and guidance of the mental deficient, the slow learner, and the gifted. This course coordinated with other offerings of the **Certification Program for Teachers of Retarded Learners**. Schmidt. TuWThF, 8:00, Room 120 OM.
- (U) Ed 466. **The Gifted Child.** (G) 3 hours.  
 The psychology, education, and guidance of the mentally superior and the extraordinarily gifted child. Wilson. MTuWF, 11:00, Room 104 OM.
- (C) Ed 467. **Applied Mental Hygiene.** (G) 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. Prerequisite: Psy 201, 202. Bernard. MWThF, 9:00, Room 215 OM.

- (C) Ed 468. **Diagnostic and Remedial Instruction in Reading.** (G) 3 hours.  
Opportunity for experienced teachers to consider the typical causes of difficulty in the reading program and to evaluate procedures to be used in remedial classes, by means of lectures, demonstrations, readings, and case studies. Phelps. TuWThF, 8:00, Room 213 OM.
- (C) Ed 472. **Principles and Practices in Curriculum Construction.** (G) 3 hours. (See Ed 566)
- (C) Ed 473. **Administration of the Elementary School.** (G) 3 hours. (See Ed 554)
- (C) Ed 474. **Supervision of the Elementary School.** (G) 3 hours. (See Ed 574)
- (S) Ed 476. **School Law and Organization.** (G) 2 hours.  
Oregon school system and laws on which it is based; problems of Oregon schools; plans for solution; courses of study; trends in educational development. Prerequisite: junior standing. Meindl. TuWF, 8:00, Room 103 OM.
- (U) Ed 480. **Psychology of Reading Instruction.** (G) 3 hours.  
The fundamental nature of the reading process; principles of growth, adjustment, and learning basic to reading achievement; psychological foundations of methods of reading instruction. Benne. TuWThF, 1:00, Room 104 OM.
- (S) SEd 481. **Alcohol Studies in School Curriculum.** (G) 3 hours.  
Incorporation of scientific information about alcohol in school curriculum; physiological, psychological, sociological, and legal aspects of alcoholism. Prerequisite: 24 hours upper-division education. Ferrier. MTuThF, 10:00, Room 121 OM.
- (C) Ed 484. **The Junior High School.** (G) 3 hours.  
Development of the junior high school; its purposes and objectives. The general organization of the school; courses of study; present practices in leading representative junior high schools, the direction of classroom activities; provision for individual differences; pupil guidance and socialization. Pierson. MTuThF, 10:00, Room 228 SH.
- (S) Ed 485. **Principles and Practices of Guidance Services.** (G) 3 hours.  
Beginning course in guidance. Overview of guidance and personnel work; vocational, educational, health, social, personality, recreational, and individual development; participation of teachers, counselors, administrators, parents, and community organizations in guidance program. For teachers and administrators. Prerequisite: senior standing. Hitchcock. MWThF, 9:00, Room 101 SH.
- (S) Ed 486. **Occupational and Educational Information.** (G) 3 hours.  
Materials available regarding occupations; interpretations of present trends; value and usefulness for high school and college students. Prerequisite: senior standing. Hitchcock. MTuWF, 11:00, Room 102 OM.
- (S) Ed 487. **Counseling Techniques.** (G) 3 hours. (See Ed 526)
- (C) Ed 493. **Observation and Evaluation of Teaching.** 1 to 3 hours.  
Opportunity for experienced teachers to observe modern trends in elementary education as carried on in the demonstration school; and to discuss educational theories and practices. Weekly seminar. A limited number of applicants will be assigned to the few places available in this course. Selection will be made from written applications filed in advance with the Supervisor of Elementary Student Teachers, Portland Summer Session. Benne. MWThF, 2:00, Room 104 OM.
- (U) ArE 501. **Special Studies: Arts and Crafts for Teachers.** 3 hours.  
Haskin. (See Workshops, page 52.)

- (U) (S) Ed 501. **Research.** Authorization and hours to be arranged. Prerequisite: graduate standing.  
Curriculum Instruction: Phelps. Elementary Education: Malter, Phelps. Evaluation and Surveys: Fullmer. Field Study: Staff. Guidance: Hitchcock. History and Philosophy of Education: Guy. Psycho-Educational Problems: Boyd, Schulz. School Administration: Spalding. Secondary Education: Fullmer, Pierson. Teacher Education: Malter, Phelps.
- (U) (S) (C) Ed 503. **Thesis.** Hours to be arranged.
- (U) (S) Ed 505. **Reading and Conference.** Authorization and hours to be arranged.
- (C) Ed 506. **Special Individual Studies.** Maximum of 6 hours.
- (U) Ed 507. **Seminar: Reading and Telling Children's Stories.** 3 hours.  
An introduction to the collection of old folk and modern fanciful tales; with laboratory practice in the reading and telling of stories for children through the elementary grades. Prerequisite: Eng 388 or consent of instructor. Registration only by signature of instructor. Petersen. TuWThF, 1:00, Room 206 OM.
- (U) Ed 507. **Seminar: Psycho-Educational Problems.** 1 to 6 hours.  
Supervised individual case work 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. Boyd. MTuWF, 11:00, Room 120 OM.
- (U) Ed 507. **Seminar: School Organization and Administration for Classroom Teachers.** 3 hours.  
A seminar in the problems of public education at local, state, and national levels. Includes case study and discussion of teacher-administrator relations, areas of conflict, and problems in communication. The primary purpose of the course is to help teachers become sensitive to system-wide educational problems and to increase the effectiveness with which teachers and administrators work together. Watson. MTuThF, 10:00, Room 258 SH.
- (U) Ed 507. **Seminar: Practicum in Guidance and Counseling.** 3 or 6 hours.  
Enrollment by prior application only. Must have all afternoon free. Fullmer. ThF, 1:00, Room 171 SH.
- (S) Ed 508. **Workshop: Conservation Education for Elementary and Secondary Teachers.** 3 hours.  
Hopson, Brooks. (See Workshops, page 52.)
- (S) Ed 508. **Workshop: Advanced Conservation Education for Elementary and Secondary Teachers.** 3 hours.  
Hopson, Brooks. (See Workshops, page 52.)
- (S) Ed 508. **Workshop: Adolescent Problems.** 3 hours.  
Schulz, Boyd, Morrison and staff. (See Workshops, page 52.)
- (S) Ed 508. **Workshop: Air and Space Education.** 6 hours.  
Stotler, Haas, Alsip. (See Workshops, page 52.)
- (S) Ed 508. **Workshop: Business Education in Secondary Schools.** 3 hours.  
Briggs. (See Workshops, page 52.)
- (U) Ed 508. **Workshop: Economic Education.** 6 hours.  
Wolf, Halley, Smith. (See Workshops, page 52.)
- (U) Ed 508. **Workshop: Educational Television.** 3 hours.  
Williams, Macomber. (See Workshops, page 52.)

- (U) Ed 508. **Workshop: Bill of Rights Education.** 6 hours.  
Bierman. (See **Workshops**, page 52.)
- (U) Ed 508. **Workshop: Arithmetic.** 3 hours.  
Ruddell, Hoel, Mosher. (See **Workshops**, page 52.)
- (S) Ed 508. **Workshop: Citizenship Education.** 3 hours.  
Wolf. (See **Workshops**, page 52.)
- (U) Ed 508. **Workshop: Parent-Teacher Leadership.** 3 hours.  
Moorhead. (See **Workshops**, page 52.)
- (U) Ed 508. **Workshop: Teaching of Geography.** 3 hours.  
Newhouse. (See **Workshops**, page 52.)
- (U) Ed 508. **Workshop in Children's Literature.** 3 hours.  
A study of the enrichment of children's reading through literature. An advanced course designed for parents and teachers of nursery, kindergarten, and elementary school children. Prerequisite: Eng 388 or consent of instructor. Petersen. MTuThF, 10:00, Room 206 OM.
- (S) Ed 511. **Recent Educational Trends and Problems.** 3 hours.  
Trends, problems, and developments in all fields of education with particular reference to high schools. Prerequisite: 24 hours of upper-division education including student teaching. Gaynor. MTuThF, 10:00, Room 102 OM.
- (S) (C) Ed 512. **Research Procedures in Education.** 3 hours.  
Methods, techniques, and tools for doing research work; meaning of scientific method; ways of locating and formulating problems; techniques for solving problems; necessary statistical tools; collection and interpretation of data; preparation of research reports. Hughes. TuWThF, 8:00, Room 105 OM.
- (C) Ed 513. **Evaluation of Classroom Instruction.** 3 hours.  
Emphasis upon application of criteria for self-evaluation by individual teachers. Observation of effective teaching in the laboratory school. Analysis of research relating to teaching and discussion methods, group dynamics, and the evaluation of individual teaching. Benne. MWThF, 2:00, Room 104 OM.
- (C) Ed 514. **Foundations of Education.** 3 hours.  
(See Ed 565)
- (C) Ed 518. **Public and Professional Relations.** 3 hours.  
A consideration of the professional responsibilities and ethics of teachers, as related to the lay public, related social agencies and to the education profession. Procedures in group dynamics, public relations, advisory councils, working with parents and parent groups. Emphasis upon means for achieving the professionalization of teaching. Darland. TuWThF, 8:00, Room 112 OM.
- (S) Ed 522. **Secondary School Curriculum.** 3 hours.  
Advanced course for experienced teachers. School in the community; guidance activities in school; extra class activities; role of school in contemporary society; teacher in local community. Prerequisite: graduate standing in education. Minear. MTuThF, 10:00, Room 104 OM.
- (S) Ed 523. **School Activities.** 3 hours.  
Principles and purposes of school activities; pupil participation in school government; assemblies, clubs, social activities, drama, speech activities, music, and publications; evaluation of activity program. Prerequisite: Ed 310, 312. Minear. MTuWTh, 12:00, Room 104 OM.



(U) Ed 526. **High-School Counseling.** 3 hours.

The purposes, techniques, and processes of counseling; dynamics of adjustment and personality change; methods of promoting emotional, educational, and occupational adjustment. Prerequisite: Ed 485. Fullmer. TuWThF, 8:00, Room 121 OM.

(S) Ed 527. **Secondary School Administration and Supervision.** 3 hours.

Principalship; principles of administration, staff relationships, public relations, professional growth; business administration; administration of guidance services, curriculum, activities; evaluation of secondary schools. Prerequisite: secondary certificate, one year of secondary teaching experience. Minear. MWThF, 9:00, Room 258 SH.

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

Social-education objectives; children's social problems; unit development; work-study skills; organization of the program; materials; research findings basic to the social education of children. For experienced elementary teachers. Phelps. MTuWF, 11:00, Room 213 OM.

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

The role of language arts in the elementary-school program; objectives; research findings on language development; the teaching of spelling, writing, and speaking-listening skills; newer instructional materials; testing and evaluation. Choate. MTuWTh, 12:00, Room 206 OM.

(U) Ed 537. **Reading in the Elementary School.** 3 hours.

Nature of the reading process, objectives, organization of a desirable reading program; reading readiness, reading skills; procedures and materials for developing children's reading abilities; methods of diagnosing difficulties and evaluating progress; research findings concerning the teaching of children to read. Choate. MTuThF, 10:00, Room 213 OM.

(U) Ed 538. **Mathematics in the Elementary School.** 3 hours.

Number abilities needed by children; research findings in mathematics education; designing number experiences; theories of teaching, desirable teaching procedures; selection and use of materials. Leavitt. MTuWTh, 12:00, Room 213 OM.

(S) Ed 543. **History of American Education.** 3 hours.

Intellectual development of America with special reference to education. Prerequisite: graduate standing in education. Guy. MTuThF, 10:00, Room 120 OM.

(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. Roberts. MTuWTh, 12:00, Room 105 OM.

(U) Ed 552. **Elementary-School Problems.** 3 hours.

Selected current problems; issues and theories of elementary education; characteristics of modern teaching; major current trends in elementary education. Hughes. MWThF, 9:00, Room 228 SH.

(U) Ed 553. **Elementary-School Curriculum.** 3 hours.

A systematic study of the elementary-school curriculum, including pupil needs in everyday life situations, objectives, essentials of a good program, varying curriculum designs, organization of learning experiences, evaluation of learning and appraisal of newer curriculum practices. Hughes. MTuWF, 11:00, Room 121 OM.

- (S) Ed 554. **Elementary-School Supervision and Administration.** 3 hours.  
(June 22-July 17.) Role, duties, needs, problems of supervision; evaluation and improvement of teaching-learning situation. Prerequisite: elementary certification, one year elementary teaching experience. Oliver. MWThF, 12:00 to 2:00, Room 215 OM.
- (S) Ed 557. **College and University Teaching.** 3 hours.  
Evaluation, aims, procedures, outcomes in college and university teaching; professional relationships and interests; individual studies according to student's field. Prerequisite: graduate standing. Macomber. TuWThF, 8:00, Room 228 SH.
- (S) Ed 561. **Advanced Educational Psychology.** 3 hours.  
Experimental material that seems most useful and relevant to educational psychology. Prerequisite: graduate standing in education. Bernard. MTuWF, 11:00, Room 215 OM.
- (U) Ed 565. **Curriculum Foundations.** 3 hours.  
Implications of basic social, philosophical, and psychological factors in curriculum planning and organization; historical background; techniques of curriculum planning. Spalding. TuWThF, 8:00, Room 113 OM.
- (U) Ed 566. **Curriculum Construction.** 3 hours.  
Survey and appraisal of curricular patterns; state and city programs; courses of study in major subject areas; techniques of course-of-study planning. Spalding. MTuWF, 11:00, Room 113 OM.
- (U) Ed 572. **Public School Administration.** 3 hours.  
Interpersonal relationships in administration; school-board powers, duties, roles, relationships; the superintendency—roles, responsibilities, issues, problems; problems of staff personnel; student personnel problems at the local district level; problems and issues relating to the development of effective school-community relationships. Spalding, MWThF, 9:00, Room 113 OM.
- (U) Ed 573. **Public School Organization.** 3 hours.  
The schools in relation to state and federal agencies; the intermediate unit, its purposes, organization, trends; local school districts—problems of organization, plant planning and management, school business administration, transportation, school finance, textbooks and supplies; extralegal agencies affecting education. Watson. TuWThF 8:00, Room 258 SH.
- (U) Ed 574. **School Supervision.** 3 hours.  
Purpose and plans for supervision; use of tests, diagnosis of pupil difficulty, etc., as applied to both elementary and secondary schools. Macomber. MWThF, 9:00, Room 102 OM.
- (U) Ed 575. **School Finance.** 3 hours.  
(June 22-July 17.) The problems of school finance and business management; sources of school income; relationship to the state financial structure; budgeting and accounting. Includes the construction of a school budget. Prerequisite: work in administration and organization; or consent of instructor. Doherty. MWThF, 12:00 to 2:00, Room 383 SH.
- (U) Ed 576. **School Buildings.** 3 hours.  
Study of the problems involved in planning, financing, and construction of school buildings; care and maintenance of buildings; problems of equipment. Includes analysis of the problems of a specific district. Prerequisite: work in administration and organization; or consent of instructor. Hummel. TuWThF, 8:00, Room 230 SH.

(S) Ed 577. **Counselor Training: Group Procedures.** 3 hours.

Principles underlying behavior and methods for modifying individual's attitudes and actions by group procedures; survey of group dynamics; evaluation of leader's role in group; process of attitudinal change and its results; approaches to group and play therapy; relation between individual and group counseling methods. Prerequisite: Ed 485, 487. Hitchcock. MTuWTh, 12:00, Room 102 OM.

(S) Ed 588. **Supervised Counseling Techniques.** 3 hours.

Open only to participants in the Counseling and Guidance Training Institute (see page 11). Fullmer.

(S) SEd 598. **Science Curriculum in Secondary Schools.** 3 hours.

Trends, problems, and procedures in junior high and secondary school science program. Prerequisite: 24 hours upper division education including Ed 416. Ferrier. MTuWTh, 12:00, Room 121 OM.

## Special Education for Teachers of Mentally Retarded and Teachers of Visually Handicapped

### CERTIFICATION PROGRAM FOR TEACHERS OF RETARDED LEARNERS

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

Identification and guidance of the mental deficient, the slow learner, and the gifted. This course coordinated with other offerings of the Certification Program for Teachers of Retarded Learners. Schmidt. TuWThF, 8:00, Room 120 OM.

(U) Ed 507. **Seminar: Curriculum and Methods for Teaching Mentally Retarded.** 3 hours.

Basic organization of instructional program for education of mentally retarded. The nature and scope of educational experiences and opportunities essential for a well-rounded program. Organization and preparation of instructional materials, selection of equipment, records and reports, promotion of effective and professional public relationships, and other practical problems of organization and classroom management of mentally retarded pupils. Coordinated with Ed 508 **Workshop: Laboratory Class for Mentally Retarded.** Jones, M. MWThF, Eliot School, 2231 N. Flint Avenue, Portland, Oregon.

(U) Ed 507. **Seminar: Problems of Teaching Mentally Retarded for Advanced Students.** 6 hours.

(June 22-July 17.) Offered in cooperation with the Oregon State Department of Education for the purpose of studying teaching methods and developing curriculum materials and instructional procedures as an initial step in the development of a curriculum guide for teachers of the mentally retarded. Open only to certified experienced teachers of the mentally retarded. Designed especially for teachers in the Oregon state reimbursed program of special classes. Jones, M. Daily, 8:00 to 12:00, Eliot School, 2231 N. Flint Avenue, Portland, Oregon.

(U) Ed 507. **Seminar: Arts and Crafts in Special Education.** 3 hours.

Basic techniques, tools, and materials, and their application in the instruction of handicapped children. Major consideration will be given to the **Instructional Program for the Mentally Handicapped.** Schmidt. Eliot School, 2231 N. Flint Avenue, Portland, Oregon.

- (U) Ed 508. **Workshop: Laboratory Class for the Mentally Retarded.** 3 hours.  
Offers opportunity for observing an elementary class for mentally retarded children in operation and some opportunity for practice-teaching under supervision. Teachers enrolling in this course will be expected to assist the demonstration teacher and participate in the instruction. Must be taken concurrently with Ed 507 Education Seminar: Curriculum and Methods for Teaching Mentally Retarded. Taylor. MWF. Eliot School, 2231 N. Flint Avenue, Portland, Oregon.

## PROGRAM FOR TEACHERS OF THE VISUALLY HANDICAPPED

This is a self-contained program. Registrants must enroll for the entire nine quarter hour program. All courses will meet at Hosford School, 2303 S. E. 28th Place, Portland, Oregon.

- (U) Ed 507. **Seminar: Structure and Function of the Eye.** 2 hours.  
(June 22-July 17.) Implications of visual defects. Jones, J., and visiting specialists. Daily, 8:00.
- (U) Ed 507. **Seminar: History and Philosophy of Teaching Visually Handicapped Children.** 1 hour.  
(July 20-31.) 1 hour. Jones, J. Daily, 8:00.
- (U) Ed 507. **Seminar: Braille.** 2 hours.  
(June 22-July 31.) Sinclair. MWThF, 9:00.
- (U) Ed 508. **Workshop: Clinical Methods and Teaching Techniques for Visually Handicapped Children.** 4 hours.  
(June 22-July 31.) Observation of and/or practice teaching of blind children enrolled in the clinic. Methods and techniques of teaching the visually handicapped child. Leslie, Sinclair. Clinic: daily 10:00 to 12:00. Methods and Techniques: daily 1:00 to 3:00.

## Engineering

Faculty: KELLAS

- (P) GE 101, 102, 103. **Engineering Concepts.** 3 hours each.  
Lectures and elementary problems dealing with the basic concepts common to all fields of engineering; engineering analysis and methods of work. Prerequisite: Mth 100 or equivalent. Daily, 9:00 to 12:00, Room 449 SH.

## English

Faculty: ANDERSON, BELLAMY, FRANCHERE, HART, LANSING, NETBOY, OLIVER,  
PETERSEN, PETERSON, ROBERTS, WALLER, WEISS, YORKS

## Literature

- (P) Eng 101. **Survey of English Literature.** (First Term). 3 hours.  
From *Beowulf* to Milton. Waller. TuWThF, 1:00, Room 106 OM.
- (P) Eng 104, 106. **Appreciation of Literature.** (First and Third Terms). 3 hours each.

The aim is to stimulate the appreciation and criticism of literature through a study of the outstanding works in prose and poetry, selected from all periods including the twentieth century; includes works in English and translations from other literatures.

Eng 104. Weiss. MW, 8:00 to 10:00 evening, Room 101 SH.

Eng 106. Peterson. MTuWF, 11:00, Room 110 OM.

- (P) Eng 107, 108, 109. **World Literature.** 3 hours each.

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.

Eng 107. Oliver. TuWThF, 1:00, Room 111 OM.

Eng 108. Weiss. MTuThF, 10:00, Room 112 OM.

Eng 109. Yorks. MW, 8:00 to 10:00 evening, Room 245 SH.

- (P) Eng 202. **Shakespeare.** (Second Term). 3 hours.

Study of the important plays—comedies, histories, and tragedies. Hart, MTuThF, 10:00, Room 111 OM.

- (S) Eng 211. **Vocabulary Building.** 3 hours.

Through analysis of words and meanings in context seeks to increase vocabulary, reading comprehension, and effective use of language. Anderson. MTuThF, 10:00, Room 110 OM.

- (P) Eng 253, 254. **Survey of American Literature.** (First and Second Terms). 3 hours each.

American literature from its beginning to the present day. Two consecutive terms will satisfy the high-school teaching requirement in English.

Eng 253. Hart. MTuWTh, 12:00, Room 111 OM.

Eng 254. Lansing. MWThF, 9:00, Room 347 SH.

- (U) Eng 306. **The Literature of the English Bible.** (First Term). 3 hours.

This course will examine the various types of literature found in the Old and New Testaments. Selections will be chosen to emphasize the Judaic-Christian inheritance. Roberts. MWThF, 9:00, Room 106 OM.

- (P) Eng 311. **Tragedy, Comedy, and Satire.** (First Term). 3 hours.

Tragedy: A study of the nature of tragedy and of its expression in various literary forms. Franchere. TuWThF, 8:00, Room 111 OM.

- (P) Eng 372. **The Novel.** (Second Term). 3 hours.

A general study of the novel as a literary type in relation to the epic and older narrative forms. Studies in the art of the novel as illustrated in the works of English, American, and continental masters. Traditions and experiments in the genre to be read and discussed against the cultural backgrounds they represent. Prerequisite: one sequence in literature. Peterson. MTuWF, 12:00, Room 208 OM.

- (P) Eng 385. **Contemporary Literature.** (Second Term). 3 hours.

A comprehensive survey of the major types of literature of our time. The study includes prose, fiction, drama, and poetry by British, American, and continental writers from the latter 19th century to the present. Hart. TuWThF, 1:00, Room 112 OM.

- (P) Eng 388. **Children's Literature and Library.** 3 hours.

An introductory course designed to give acquaintance with some significant books for children, with emphasis on the quality of a book: its format, text, and illustrations. An investigation of school library procedures with suggestions for the presentation of children's literature in the elementary school. Petersen. MTuWTh, 12:00, Room 110 OM.

# Schedule of Classes

SH designates State Hall, the new classroom building.  
OM designates Old Main, the old classroom building.

## Eight Weeks

8:00 a.m.

Number	Course Title	Instructor	Room
AA 312.	Creative Arts and Crafts for the Classroom Teacher. (Section I). TuWThF	Pickens	319 OM
Bi 201, 202, 203.	General Botany. MTuThF	Bohlen	314 OM
Ch 411, 412, 413.	Inorganic Chemistry. (Lecture) MTuThF	Mickelsen	306 OM
Ed 312.	Educational Psychology: Learning. (Section II). TuWThF	Schulz	206 OM
Ed 314.	Principles of Secondary Teaching. TuWThF	Anderson, E.	214 OM
Ed 344.	Physical Education in the Grades. TuWThF	Gaynor	Cym
Ed 356.	Methods and Materials: Reading in the Elementary School. (Section I). TuWThF	Phillips	207 OM
Ed 435.	Audio-Visual Aids. (G) (Section I). TuWThF	Jenkins	106 OM
Ed 464.	The Mentally Retarded Child. (G) TuWThF	Malter	215 OM
Ed 468.	Diagnostic and Remedial Instruction in Reading. (G) TuWThF	Schmidt	120 OM
Ed 476.	School Law and Organization. (G) TuWThF	Phelps	213 OM
Ed 512.	Research Procedures in Education. TuWThF	Meindl	103 OM
Ed 518.	Public and Professional Relations. TuWThF	Hughes	105 OM
Ed 526.	High School Counseling. TuWThF	Darland	112 OM
Ed 557.	College and University Teaching. TuWThF	Fulmer	121 OM
Ed 565.	Curriculum Foundations. TuWThF	Macomber	228 SH
Ed 573.	Public School Organization. TuWThF	Spalding	113 OM
Ed 576.	School Buildings. TuWThF	Watson	258 SH
Eng 311.	Tragedy, Comedy, and Satire. TuWThF	Hummel	236 SH
Geog 105.	Introductory Geography. (Section I). TuWThF	Franchere	111 OM
Geog 427.	Geography of the Soviet Union. (G) TuWThF	Courtney	371 SH
GS 101, 102, 103.	Biological Science Survey. (Laboratory A). TuWThF	Cole	383 SH
HE 361.	Community Personal Health Problems and Diseases. TuWThF	Winchell	310 OM
Hat 201.	History of the United States. TuWThF	Westcott	102 OM
Hat 352.	Hispanic America. TuWThF	White	101 OM
Hat 446.	Modern Germany. (G) TuWThF	Hoffmann	145 SH
Hat 478.	History of the Pacific Northwest. (G) (Section I). TuWThF	Dmytryshyn	106 OM
Hum 401.	Special Studies: Introduction to Communication. TuWThF	Gilmore	110 OM
J 455.	Supervision of School Publications (Journalism for Teachers). (g) TuWThF	Bauer	245 SH
Mth 60.	Elements of Algebra. Daily	Martin	325 SH
PE 472.	Kinesiology. TuWThF	Stanton	101 OM
Phl 202.	Elementary Ethics. TuWThF	Holland	147 SH
PS 202.	American Governments. TuWThF	Newhall	347 SH
PS 413.	Public Administration and Policy Development. (G) TuWThF	Dixon	247 SH
Psy 311.	Human Development. (Section I). TuWThF	Leffland	249 SH
Psy 421, 422.	Principles and Methods of Psychological Assessment. (g) TuWThF	Wilson	221 SH
Psy 461.	Developmental Psychology II: Adolescence and Maturity. (g) TuWThF	Boyd	104 OM
R 211.	The New Testament and Its Historical Background. TuWThF	Bernard	208 OM
Sp 111.	Fundamentals of Speech. (Section I). TuWThF	Hovland	171 SH
Sp 482.	Speech Pathology. TuWThF	Roberts	303 SH

## 9:00 a.m.

AA 311.	Creative Arts and Crafts for the Classroom Teacher. MTuWThF	Colescott	319 OM
BA 111, 112, 113.	Constructive Accounting. TuWThF	Boyd	249 SH
BA 222.	Elements of Finance. Daily	Burrell	171 SH
Ch 411, 412, 413.	Inorganic Chemistry. (Laboratory). MTuThF	Mickelsen	306 OM
Ed 111.	Orientation to Teaching. MWThF	Cuy	120 OM
Ed 310.	School in American Life. (Section III). MWThF	Ferrier	103 OM
Ed 358.	Methods and Materials: Language Arts and Social Studies. (Section II). MWThF	Phillips	207 OM
Ed 359.	Methods and Materials: Science and Mathematics. (Section II). MWThF	McCollum	213 OM
Ed 409.	Psycho-Educational Clinic. (G) MWThF	Phelps	Shattuck
Ed 410.	Methods and Research Materials: Art. (G) MWThF	Kittredge	
Ed 424.	Measurement in Education. (G) MWThF	Pickens	317 OM
Ed 467.	Applied Mental Hygiene. (G) MWThF	Wilson	104 OM
Ed 485.	Principles and Practices of Guidance Services. (G) MWThF	Bernard	215 OM
Ed 527.	Secondary-School Administration and Supervision. MWThF	Hitchcock	101 SH
Ed 552.	Elementary-School Problems. MWThF	Minear	258 SH
		Hughes	228 SH

NOTE: A group counseling session for all students who wish to begin a graduate program leading to the Master of Education degree from either the University of Oregon, Oregon State College, or Oregon College of Education will be conducted Monday, June 22, in Room 150, State Hall, at 11:00 a.m.

### \*Spanish

(P) RL 60, 61. **First-Year Spanish.** 8 hours.

An introduction to Spanish, stressing speaking and reading. Exercises in elementary composition. Anderson. Daily, 9:00 to 11:00, Room 245 SH.

(P) RL 107. **Second-Year Spanish.** 4 hours.

Intensive oral and written exercises designed to help the student acquire accurate and fluent use of Spanish. Study of selected texts of representative authors. Anderson, TuTh, 6:45 to 9:15 evening, Room 147 SH.

### General Studies

Portland Summer Session Adviser: GUY  
Chairman, University of Oregon Committee: SORENSON  
Chairman, Oregon State College Committee: YUNKER

GS1 501. **Research in General Studies.** Hours to be arranged.

GS1 503. **Graduate Thesis.** Hours to be arranged.

GS1 505. **Reading and Conference.** Hours to be arranged.

### Geography

Faculty: ASHBAUGH, COLE, COURTNEY, MEYER

(P) Geog 105, 106, 107. **Introductory Geography.** 3 hours each.

A general introduction to the field of geography, in sequence as follows: Geog 105, physical elements; Geog 106, earth resources; Geog 107, cultural elements.

Geog. 105. Section I: Courtney. TuWThF, 8:00, Room 371 SH.

Section II: Cole, MTuThF, 10:00, Room 371 SH.

Section III: Ashbaugh. MW, 8:00 to 10:00 evening, Room 301 SH.

Geog. 106. Section I: Ashbaugh. MWThF, 9:00, Room 371 SH.

Section II: Courtney. MW, 6:00 to 8:00 evening, Room 301 SH.

Geog 107. Ashbaugh. MTuWF, 11:00, Room 383 SH.

(P) Geog 305. **Economic Geography.** (Second Term). 3 hours.

A systematic survey of man's occupations in response to resources provided by natural environment. Special emphasis on significance of geographic factors in structure and location of industry. Cole. MW, 6:00 to 8:00 evening, Room 345 SH.

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

Analysis of human and economic geography of Pacific Northwest with special attention to Oregon. Prerequisites: Geog 105 or Geog 208, 209, 210. Courtney. MTuThF, 10:00, Room 383 SH.

(P) SSc 401. **Special Studies in Social Science: Political Geography.** 3 hours.

An investigation of political problems of selected regions or nations in terms of the material and ethnic factors of the environment which are considered essential in understanding the development of civilization. Patterns of population and land utilization, natural resources, the economic interdependence of nations, international trade and geo-political problems of the United Nations are type topics serving as the geographic basis for discussions and exercise work. Meyer. MWThF, 9:00, Room 383 SH.

\* Students who complete RL 50, 51; GL 50, 51; SL 50, 51; or RL 60, 61 with a grade of A or B may enter Second-Year French, German, Russian or Spanish in the fall term.

Wr 111. Section II: Yorks. MW, 6:00 to 8:00 evening, Room 245 SH.

Wr 112. Section I: Weiss. MTuWTh, 12:00, Room 112 OM.

Wr 112. Section II: Lansing. TuTh, 8:00 to 10:00 evening, Room 245 SH.

Wr 113. Section I: Lansing. MTuThF, 10:00, Room 113 OM.

Wr 113. Section II: Waller. MW, 6:00 to 8:00 evening, Room 247 SH.

(P) Wr 214. **Business English.** 3 hours.

Study of modern practices in business correspondence, primarily for students of business administration. Analysis and writing of the principal types of correspondence. Prerequisite: Wr 111, 112, 113. Netboy. TuTh, 6:00 to 8:00 evening, Room 103 SH.

(U) Wr 411. **English Composition for Teachers.** (g) 3 hours.

For students expecting to teach English in high school. Practice in writing and a review of the rules of composition. Recommended for satisfaction of the high-school teaching requirement in English. Prerequisite: Wr 111, 112, 113. Anderson. MTuWTh, 12:00, Room 120 OM.

## Foreign Languages

Faculty: ANDERSON, HEALY, KRIVOSHEIN, LOGAN

### \*French

(P) RL 50, 51. **First-Year French.** 8 hours.

An introduction to French, stressing reading and speaking. Exercises in elementary composition and grammar. Healy. Daily, 11:00 to 1:00, Room 245 SH.

(P) RL 101. **Second-Year French.** 4 hours.

Study of selected texts of representative authors; review of grammar; considerable attention to oral use of the language. Healy. Daily, 9:00, Room 230 SH.

### \*German

(P) GL 50, 51. **First-Year German.** 8 hours.

Provides a thorough grammatical foundation and an elementary reading knowledge of German as well as an understanding of the spoken language. Logan. Daily, 1:00 to 3:00, Room 214 OM.

(P) GL 101. **Second-Year German.** 4 hours.

Review of grammar and composition. Reading of selected texts of representative authors. Conversation. Logan. MW, 6:45 to 9:15 evening, Room 149 SH.

### Deutsche Sommerschule am Pazifik.

A program of intensive instruction in the German language and literature for advanced students will be offered in cooperation with Reed College from June 19 to August 6. For further information, write Dr. H. F. Peters, Reed College, Portland 2, Oregon.

### \*Russian

(P) SL 50, 51. **First-Year Russian.** 8 hours.

The elements of the Russian language. Elementary reading, composition, and conversation. Krivoshein. Daily, 9:00 to 11:00, Room 214 OM.

\* Students who complete RL 50, 51; GL 50, 51; SL 50, 51; or RL 60, 61 with a grade of A or B may enter Second-Year French, German, Russian, or Spanish in the fall term.



(P) Geog 411. **Man and His Cultural Environment.** (Human Geography) (First Term). 3 hours.

A study of the cultural setting of the inhabited regions of the earth as characterized by the surface features of material culture, the spatial relationships of states, and the distinctive geographic qualities of urban agglomerations. Human geography. Prerequisite: Geog 105 or consent of instructor. Meyer. MTuWF, 11:00, Room 371 SH.

(U) Geog 427. **Geography of the Soviet Union.** (G) 3 hours.

Geography of the Soviet Union; its resources, peoples and world position. Prerequisite: Geog 105, 106, 107 or Geog 201, 202, 203. Cole. TuWThF, 8:00, Room 383 SH.

(U) Geog 507. **Seminar: Geography of World Affairs.** 3 hours.

Designed to develop the technique of interpreting current world events in the geographic framework in which such events occur. From newspapers and periodicals currently received by the department, students clip articles for critical review and rewrite them in form of what is known as "chorograms." Meyer. MW, 8:00 to 10:00 evening, Room 345 SH.

See the following listed under Education:

(U) Ed 508. **Workshop: Teaching of Geography.** 3 hours. Newhouse.

## Health and Physical Education

Faculty: GAYNOR, GREENSLADE, HOLLAND, KUNDE, RODNEY, WASHKE, WESTCOTT

(P) PE 180. **Physical Education (Women).** 1 hour.

(See PE 190 for description.) Greenslade. MWThF, 9:00, Gym.

(P) PE 190. **Physical Education (Men).** 1 hour.

A variety of activities taught for physiological and recreational values. Special sections for restricted and corrective work. A total of five terms is required for all lower-division students. Greenslade. MWThF, 9:00, Gym.

(P) HE 252. **First Aid.** 3 hours.

Study of first aid and safety procedures—for the individual, schools, athletics, and civilian defense; meets certification standards of the American Red Cross. Washke. MWThF, 9:00, Room 206 OM.

(P) PE 343. **Organization and Administration of Physical Education.** 3 hours.

Planning and organizing the use of buildings, grounds, and recreational areas for the physical education program; purchase and care of equipment; budgeting equipment and operating costs. Westcott. MTuWF, 11:00, Room 228 SH.

(P) HE 361 **Community and Personal Health Problems and Diseases.** (First Term.) 3 hours.

Methods and materials for health teachers in public schools. The basic community health problems; hygienic care of the body and other personal health problems important in health instruction. Nature, prevention, and control of common communicable diseases, considered in relation to health instruction in the public schools. Prerequisite: 9 hours in zoology and 9 hours of human anatomy and physiology. Westcott. TuWThF, 8:00, Room 102 OM.

(U) PE 406. **Special Problems: Coaching Wrestling.** 3 hours.

This course is designed for persons interested in teaching wrestling. Westcott. MTuThF, 10:00, Gym.

- (U) PE 408. **Workshop: Camping Education and Recreation, Section I Problems of Camp Management.** 6 hours.  
Kunde, Rodney. (See Workshops, page 52.)
- (U) PE 408. **Workshop: Camping Education and Recreation, Section II Program and Leadership.** 3 hours.  
Kunde, Rodney. (See Workshops, page 52.)
- (U) 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. (May be substituted for College of Education Ed 344.) Content of the course is as follows: PE 411, Rhythmics and folk dancing; PE 412, Games of low organization; PE 413. Individual team sports and games.  
PE 411. Greenslade. MWThF, 9:00, Gym.  
PE 412. Greenslade. TuWThF, 1:00, Gym.  
PE 413. Holland. MTuWF, 11:00, Gym.
- (U) PE 446. **Tests and Measurements in Physical Education.** (G) 3 hours.  
Use of tests and measurements in physical education; evaluation of objectives, programs, and student achievement through measurement techniques. Holland, MWThF, 9:00, Room 147 SH.
- (U) HE 450. **Elementary-School Health Education.** (g) 3 hours.  
The purposes and requirements of the school health service program, with emphasis on organization and procedures for the school health examination. Organization and presentation of teaching materials based on the health needs of the child, community needs, and school health services. Greenslade. MTuWF, 11:00, Room 103 OM.
- (U) PE 472. **Kinesiology.** 3 hours.  
Action of muscle involved in fundamental movements, calisthenics, gymnastics, and athletics. Prerequisite: Bi 371, 372. Holland. TuWThF, 8:00, Room 147 SH.
- (U) PE 507. **Seminar: Intramural Sports.** 3 hours.  
Analysis of successful intramural programs in schools and colleges; study of problems encountered in program operations; nature and purpose of intramural programs; relationships of the program to physical education programs; organization of programs. Washke. MTuThF, 10:00, Room 230 SH.
- (U) Rec. 508. **Workshop: Camping Education and Recreation, Section I Problems of Camp Management.** 6 hours.  
Kunde, Rodney. (See Workshops, page 52.)
- (U) Rec 508. **Workshop: Camping Education and Recreation, Section II Program and Leadership.** 3 hours.  
Kunde, Rodney. (See Workshops, page 52.)
- (U) PE 515. **History and Theories of Physical Education.** 3 hours.  
The history of physical education from the Greeks to modern times. Special emphasis on modern developments. Washke. TuTh, 6:00 to 8:00 evening, Room 145 SH.

See the following listed under Education:

- (P) Ed 344. **Physical Education in the Grades.** 3 hours. Gaynor.  
(P) Ed 351. **Health Education.** 3 hours. Greenslade.

## History

Faculty: BREEN, COX, DMYTRYSHYN, GILMORE, HOFFMANN, HUBBARD, WEBB, WHITE

(P) Hst 101, 102, 103. **History of Western Civilization.** 3 hours each.

Origins and development of Western civilization from ancient times to the present.

Hst 101. Breen. MTuWTh, 12:00, Room 101 OM.

Hst 102. Webb. MW, 6:00 to 8:00 evening, Room 101 SH.

Hst 103. Cox. MTuWF, 11:00, Room 105 OM.

(P) Hst 201, 202, 203. **History of the United States.** 3 hours each.

From colonial times to the present day.

Hst 201. White. TuWThF, 8:00. Room 101 OM.

Hst 202. Hubbard. TuWThF, 1:00, Room 113 OM.

Hst 203. Gilmore. TuTh, 6:00 to 8:00 evening, Room 203 SH.

(P) Hst 209. **English History.** (Third Term). 3 hours.

A general survey, covering political, economic, social, intellectual and religious developments. White. MTuThF, 10:00, Room 171 SH.

(P) Hst 341. **Europe Since 1789.** (First Term). 3 hours.

Political, social, economic, and cultural trends from the French Revolution to the present. Hst 341: 1789 to 1890. Webb. TuWThF, 1:00, Room 110 OM.

(U) Hst 352. **Hispanic America.** (Third Term). 3 hours.

A survey of Hispanic America from the early Indian civilization through the periods of Spanish conquest and colonization; the wars of independence; the rise of national states; their internal development and foreign relations. Hoffmann. TuWThF, 8:00, Room 145 SH.

(P) Hst 381. **Near East in Modern Times.** (First Term). 3 hours.

An analysis of the religious, political and cultural developments in the Near East from the Christian era to the present. Emphasis is placed on Islam; the evolution of the modern Turkish, Hebrew and Arabic states including the *Maghreb*; and the geographical and strategic importance of the Balkan and Levantine areas. Prerequisite: Hst 101, 102, 103 or consent of instructor. Cox. MWThF, 9:00, Room 112 OM.

(P) Hst 393. **The Far East in Modern Times.** 3 hours.

Political, economic, and diplomatic developments in China and Japan since 1905, with special emphasis on the rise and decline of Japan and the decline and rise of China as the dominant power in Eastern Asia. Prerequisite: Hst 101, 102, 103; Hst 201, 202, 203. Webb. MTuWF, 11:00, Room 106 OM.

(U) Hst 432. **Reformation.** (G) 3 hours.

The Protestant and the Catholic reform of the sixteenth century. Breen. MW, 8:00 to 10:00 evening, Room 249 SH.

(U) Hst 445. **Europe Since 1939.** (G) 3 hours.

Origins and course of World War II; postwar development in the European states. Dmytryshyn. MTuWF, 11:00, Room 301 SH.

(U) Hst 446. **Modern Germany.** (G) 3 hours.

The German Empire, the republican experiment of 1918-33, the National Socialist regime, World War II and after. Dmytryshyn. TuWThF, 8:00, Room 106 OM.

- (U) Hst 447. **History of Russia.** (G) (First Term). 3 hours.  
The Kievan state and the emergence of Muscovy. Dmytryshyn. MTuThF, 10:00, Room 105 OM.
- (U) Hst 460. **History of American Thought and Culture.** (G) (First Term). 3 hours.  
Main currents of American intellectual and cultural life from colonial times to the present, in relation to trends of public opinion and political and social action. Prerequisite: Hst 201, 202, 203 or consent of instructor. Hoffmann. MWThF, 9:00, Room 149 SH.
- (U) Hst 475. **American Foreign Relations.** (G) (Third Term). 3 hours.  
The origins, character, and consequences of American foreign policies from the Revolutionary War to the present. Hubbard. TuTh, 8:00 to 10:00 evening, Room 249 SH.
- (U) Hst 477. **History of the West.** (G) (Second Term). 3 hours.  
The American frontier; the trans-Mississippi West. Hoffmann. MW, 6:00 to 8:00 evening, Room 249 SH.
- (U) Hst 478. **History of the Pacific Northwest.** (G) 3 hours.  
Detailed study of the building of civilization in the Pacific Northwest. Not open to students who have taken Hst 377. Prerequisite: Hst 201, 202 or consent of instructor.  
Section I: Gilmore. TuWThF, 8:00, Room 110 OM.  
Section II: Gilmore. MTuThF, 10:00, Room 101 OM.  
Section III: White. TuTh, 6:00 to 8:00 evening, Room 201 SH.
- (U) Hst 479. **Forces and Influences in American History.** (G) 3 hours.  
Geographic influences; influence of the frontier; inheritance and tradition; economic forces; nationalism; sectionalism; manifest destiny; democracy. Hubbard. MTuWF, 11:00, Room 171 SH.
- See the following listed under **Political Science:**
- (U) PS 441. **Area Tensions in the World Today: Africa.** (G) 3 hours. Cox.

## Home Economics

Faculty: BAUMER, SHUCK, ROTRUCK, WELLS

- (S) CT 408, 508. **Workshop: Bishop Method of Clothing Construction.** (Basic Course) 3 hours.  
Rotruck, Baumer, Shuck. (See **Workshops**, page 52.)
- (S) CT 408, 508. **Workshop: Bishop Method of Clothing Construction.** (Refresher Course) 3 hours.  
Rotruck, Baumer, Shuck. (See **Workshops**, page 52.)
- (P) FN 205. **Nutrition.** 3 hours.  
Nutritive value of foods from the standpoint of newer scientific investigations; selection of an optimal diet for health, present-day problems in nutrition; recent trends in American dietary habits. Wells. MTuWTh, 12:00, Room 203 SH.
- (U) Nur 444 **Nutrition.** 3 hours.  
Existing knowledge and recent trends in the field of nutrition. Designed to develop the ability to carry out the functions of a nurse in promoting optimum nutrition for the family and community. Wells. TuTh, 9:00 to 11:00, University of Oregon Medical School, Portland.

## Journalism

Faculty: BAUER, MARTIN

- (P) Hum 401. **Special Studies: Introduction to Communications.** 3 hours.  
An introduction to the mass communications media: radio, television, films, the press. Bauer. TuWThF, 8:00, Room 245 SH.
- (U) J 455. **Supervision of School Publications.** (Journalism for Teachers). (g)  
3 hours.  
Principles and techniques of journalism likely to be utilized by journalism teachers, publications advisers, and teachers or administrators with public relations assignments, in the junior and senior high school and junior college. (Limited to journalism teachers, publications advisers, and administrators at these levels, and to upper-division students preparing to teach at these levels; not open to journalism majors.) Martin. TuWThF, 8:00, Room 325 SH.

## Mathematics

Faculty: FLANAGAN, FREDRICKSON, KEELER, REMPFER, STANTON

- (P) Mth 60. **Elements of Algebra.** 4 hours.  
For students entering with less than one year of algebra. Open to others only on recommendation of the department. May not be taken after completion of higher courses in college mathematics, except Mth 111. Stanton. Daily, 8:00, Room 101 SH.
- (P) Mth 100. **Intermediate Algebra.** 4 hours.  
Prerequisite: one year of high-school algebra, or Mth 60.  
Section I: Keeler. Daily, 1:00, Room 101 SH.  
Section II: Flanagan. MW, 6:45 to 9:15 evening, Room 203 SH.
- (P) Mth 101. **College Algebra.** 4 hours.  
Prerequisite: one and one-half years of high school algebra, or Mth 100. Keeler. Daily, 12:00, Room 301 SH.
- (P) Mth 102. **Plane Trigonometry.** 4 hours.  
Prerequisite: Mth 101. Flanagan. Daily, 12:00, Room 101 SH.
- (P) Mth 103. **Analytic Geometry.** 4 hours.  
Prerequisite: Mth 102. Keeler. Daily, 10:00, Room 301 SH.
- (P) Mth 111. **Mathematics for Elementary Teachers.** 3 hours.  
Treatment of historical aspects of mathematics, social uses and relationships, mathematical principles, development of problem-solving ability and proficiency in the fundamental skills of mathematical processes.  
Section I: Flanagan. TuWThF, 1:00, Room 149 SH.  
Section II: Stanton. MWThF, 9:00, Room 301 SH.
- (P) Mth 203. **Differential and Integral Calculus.** (Third Term). 4 hours.  
Stanton. Daily, 11:00, Room 101 SH.
- (P) Mth 311, 312, 313. **Advanced Mathematics.** 3 hours each. (June 22-August 21.)  
Mth 311 (June 22-July 10): the number system of mathematics; axiomatic basis; the algebra of sets and of number fields; the methods of proof; finite induction; elements of topology.  
Mth 312 (July 13-July 31): functions and limits; continuity; maxima and

minima; extrema; elements of the calculus of variations; basis of differential and integral calculus.

Mth 313 (August 3-August 21): geometrical constructions and constructability; projective geometry; axiomatics; Euclidean and non-Euclidean geometries. Frederickson. MTuThF, 8:00 to 10:00 and 11:00, Room 345 SH.

(U) Mth 405. Reading and Conference. 1-3 hours.

Staff.

(S) Mth 595X, 596X. Summer Institute for High School Teachers of Mathematics. 6 hours.

Rempfer. (See Workshops, page 52.)

## Music

Faculty: ALBERTSON, CYKLER, PITTS, STEHN, TRUDEAU, TURRELL, VAGNER, WILSON

(P) Mus 190. Applied Music. 1-2 hours.

Freshman year. Individual instruction in organ, piano, violin, cello, harp, voice, orchestral and band instruments. For music majors and music instructors. By arrangement. Stehn.

(P) Mus 290. Applied Music. 1-2 hours.

Sophomore year. Continuation of Mus 190, which is prerequisite. By arrangement. Stehn.

(P) Mus 323. Choral Conducting. 2 hours.

The principles of conducting and training choral organizations. Practical experience in conducting campus organizations. Albertson. MTuTh, 9:00, Room 208 OM.

(P) Mus 381, 382. Music Fundamentals. 3 hours each.

Basic musicianship for the elementary teacher, developed through experiences relevant to the classroom. Required of majors in elementary education.

Mus 381. Wilson. TuWThF, 1:00, Room 208 OM.

Mus 382. Albertson. MWThF, 2:00, Room 208 OM.

(P) Mus 383. Music Fundamentals (Teacher Education). 3 hours.

Experience in teaching the various music activities found in the elementary classroom. Required of majors in elementary education. Albertson. MTuWF, 11:00, Room 208 OM.

(P) Mus 390. Applied Music. 1-2 hours.

Junior year. Prerequisite: Mus 290 or equivalent. By arrangement. Stehn.

(P) Mus 395. Band. 1 hour.

Six hours maximum credit. Trudeau. TuTh, Start 6:45 evening, Room 453 SH.

(P) Mus 397. Chorus. 1 hour.

Six hours maximum credit. Albertson. WF, 9:00, Room 453 SH.

(U) MuE 407. Seminar: New Perspectives in Music Education. (G) 3 hours.

New approaches to general music education based upon the child's musical development as practiced in Europe today. A study of the work of leading European music educators as well as methods, curriculum, and organization of the music program in the public schools. Cykler. MTuWTh, 10:00, Room 349 SH.

(U) MuE 407. Seminar: Music Appreciation—A New Approach. (G) 3 hours.

An active approach to the problem of appreciating the musical art work. The

cultivation of the listener through active participation in the use of musical materials. Cykler. MTuWTh, 9:00, Room 349 SH.

(U) MuE 407. **Seminar: Band Techniques.** (G) 3 hours.

Vagner. (See *Workshops*, page 52.)

(U) MuE 407. **Seminar: Music in the Elementary Grades.** (G) 3 hours.

Pitts. (See *Workshops*, page 52.)

(U) Mus 407. **Seminar: Music and the Plastic Arts.** (G) 3 hours.

A comparative study of music, painting, sculpture, and architecture and their styles as indicative of common expressive ideals in the arts. Cykler. MW, 6:00 to 8:00 evening, Room 349 SH.

(U) Mus 408. **Seminar in Music History.** (G) 3 hours.

Introduction to advanced work in the field. Survey of principal areas; basic research techniques. Lectures and discussion groups. Prerequisite: Mus 360, 361, 362, or equivalent, or consent of instructor. Turrell. MW, 8:00 to 10:00 evening, Room 349 SH.

(U) Mus 441. **Advanced Conducting.** (G) (First Term). 3 hours.

The routine and techniques 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. Stehn. MTuWTh, 12:00, Room 453 SH.

(P) Mus 490. **Applied Music.** 1-2 hours.

Senior year. Continuation of Mus 390, which is prerequisite. By arrangement. Stehn.

**Festival of the Arts.** Hollywood String Quartet in Concert and Workshop for selected instrumental groupings. For information about the Workshop, write to John Stehn, 1633 S. W. Park Avenue, Portland 1, Oregon.

## Philosophy

Faculty: NEWHALL, POLONOFF

(P) Phl 202. **Elementary Ethics.** 3 hours.

The course develops the idea of man as a moral agent and considers critically various interpretations of the ideals and standards of moral conduct. Newhall. TuWThF, 8:00, Room 347 SH.

(P) Phl 203. **Elementary Logic.** 3 hours.

An introductory study of the standard forms of reasoning. Exercise in recognizing, analyzing, and constructing the main types of argument and proof. Newhall. MTuThF, 10:00, Room 347 SH.

(P) Phl 204. **Elementary Aesthetics.** 3 hours.

An introductory study of theories of beauty and art, and interpretations of aesthetic experience. There will be some consideration of the relation of the aesthetic interest to other human interests such as the moral, scientific, and religious interests. Polonoff. MTuWTh, 12:00, Room 347 SH.

(P) Phl 301. **History of Philosophy.** (First Term). 3 hours.

A study of Western philosophy from the pre-Socratic Greek philosophers to Hegel. Polonoff. MW, 8:00 to 10:00 evening, Room 147 SH.

- (P) **Phl 332. Contemporary Philosophy.** (Second Term). 3 hours.  
Analysis of main currents in contemporary philosophy. Prerequisite: 9 term hours of philosophy. Polonoff. MTuWF, 11:00, Room 347 SH.
- (P) **Hum 407. Seminar: Social Philosophy.** 3 hours.  
A review of social philosophy from the close of the eighteenth century to the present—from Rousseau, Burke, and Paine to Lenin and recent writers. Newhall. TuTh, 6:00 to 8:00 evening, Room 245 SH.

## Political Science

Faculty: **BIERMAN, CAPPER-JOHNSON, COX, DIXON, LEFFLAND**

- (P) **PS 201, 202. American Governments.** (First and Second Terms). 3 hours each.  
National government. Dixon.  
PS 201. TuTh, 6:00 to 8:00 evening, Room 345 SH.  
PS 202. TuWThF, 8:00, Room 247 SH.
- (U) **PS 413. Public Administration and Policy Development.** (G) (Third Term). 3 hours.  
How administrative officials create and carry out public policies; theoretical analyses and case studies. Leffland. TuWThF, 8:00, Room 249 SH.
- (U) **PS 420. International Organization.** (G) (First Term). 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. TuTh, 6:00 to 8:00 evening, Room 347 SH.
- (U) **PS 433 Political Theory: The American Tradition.** (G) (First Term). 3 hours.  
The development of American political theories from early colonial days to the present. Dixon. TuTh, 8:00 to 10:00 evening, Room 345 SH.
- (U) **PS 441. Area Tensions in the World Today: Africa.** (G) 3 hours.  
The strategic, political, and economic influence on world affairs of the states and peoples of Africa. Special international problems connected with the Maghreb, French West and Equatorial Africa, British East Africa, the Belgian Congo and South Africa. Special attention will be directed toward the impact of Islam on the peoples of Africa. Cox. TuTh, 6:00 to 8:00 evening, Room 249 SH.
- (U) **PS 507. Seminar: Bill of Rights Education.** 6 hours.  
Bierman. (See *Workshops*, page 52.)

## Psychology

Faculty: **BERNARD, BOYD, LYMAN, SCHULZ, SMITH, WESLEY, WILCOX, WILSON**

- (P) **Psy 201, 202, 203. General Psychology.** 3 hours each.  
Basic principles and theories of behavior. Discussion of individual differences, intelligence, aptitudes, methods of psychological measurement and testing, drives and motives, emotions and reactions to stress, perception, learning, thinking, reasoning, personality; the response mechanism, communication processes, attitudes and social processes, frontiers of psychology. Prerequisite: sophomore standing.



Psy 201. Wilcox. MTuThF, 10:00, Room 101 SH.  
 Psy 202. Wilcox. MTuWTh, 12:00, Room 271 SH.  
 Psy 203. Smith. MW, 6:00 to 8:00 evening, Room 201 SH.

(P) Psy 311. **Human Development.** 3 hours.

Development of the child as an individual and as a member of social groups. Included is a comparative study of different home and school environments as they influence the psychological growth of the child. Field projects supplement the class work. Primarily for majors in education. Prerequisite: Psy 201, 202.

Section I: Wilson. TuWThF, 8:00, Room 221 SH.

Section II: Wesley. TuWThF, 1:00, Room 221 SH.

Section III: Schulz. MTuThF, 10:00, Room 221 SH.

Section IV: Lyman. MW, 8:00 to 10:00 evening, Room 201 SH.

(P) Psy 345. **The Psychology of Motivation.** 3 hours.

Conditions, principles, and theories of human motivation. Critical examination of the use of motivational theory in the social sciences and related fields. Prerequisite: Psy 201, 202 and 204 or 205. Smith. MTuThF, 10:00, Room 147 SH.

(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 314 or equivalent. Bernard. MWThF, 9:00, Room 215 OM.

(U) Psy 421, 422. **Principles and Methods of Psychological Assessment.** (g) 3 hours each.

Application of psychological methods to the study of the individual; survey of intelligence, achievement, special-aptitude, and personality tests; theoretical and statistical background for interpretations of test scores; training in diagnosis of actual cases. Boyd. TuWThF, 8:00, Room 104 OM.

(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 mechanisms as they are exaggerated in the so-called neurotic person. Smith. MTuWTh, 12:00, Room 147 SH.

(U) Psy 460. **Developmental Psychology I: Infancy and Childhood.** (g) 3 hours. (See Psy 461.)

(U) Psy 461. **Developmental Psychology II: Adolescence and Maturity.** (g) 3 hours.

Development of behavior and psychological activity through the prenatal period, infancy, childhood, adolescence, maturity, and old age. Changes of intelligence, motor capacity, emotional response, language, and social behavior. Emphasis on social influence.

Psy 460. Lyman. MTuWTh, 12:00, Room 221 SH.

Psy 461. Bernard. TuWThF, 8:00, Room 208 OM.

(P) Psy 462. **Developmental Psychology III: Animal Behavior.** 3 hours.

Study of animal and human behavior from a developmental point of view. Significance of behavior during the prenatal period, infancy, childhood, adolescence, maturity, and old age. Field projects supplement the class work. Prerequisite: Psy 201, 202, 203. Wesley. MTuThF, 10:00, Room 149 SH.

(S) Psy 472. **Individual Differences.** (g) (First Term). 3 hours.

Theories of individual differences; experimental evidence; importance in personal, educational, and social adjustments; guiding and directing normal de-

velopment. Prerequisite: Psy 371 or equivalent. Must be taken in sequence. Wilcox. MWThF, 9:00, Room 221 SH.

(U) Psy 507. **Seminar: Psychological Trends in Foreign Countries.** 3 hours.

Examination of major psychological trends in Western European countries and Russia. Comparison of respective experimental methodologies, areas of research, pedagogical approaches, and professional roles and status. Discussion of historical, linguistic, and other cultural factors in relation to dominant areas of research and theory. Wesley. MTuWTh, 12:00, Room 149 SH.

(C) Psy 520. **Psychology of Learning.** 3 hours.

Introduction to the major theories of learning current among psychologists doing research in the field. Experimentation and research underlying these theories will be studied and applied to modern educational practices. Includes learning theory and practices at all age levels through adulthood. Lyman. MTuWF, 11:00, Room 149 SH.

(U) Psy 524, 525. **Individual Intelligence Testing.** 3 hours each.

Supervised practice in the administration, scoring, and interpretation of intelligence tests, chiefly the Stanford-Binet test, the Wechsler intelligence scale for children, and the Wechsler adult intelligence scale. Prerequisite: Psy 421. Boyd. MWThF, 9:00, Room 105 OM.

## Religion

Faculty: HOVLAND

(S) R 211. **The New Testament and Its Historical Background.** 3 hours.

Special attention is given to times and conditions out of which New Testament writings came and problems that gave rise to Christian movement. TuWThF, 8:00, Room 171 SH.

(S) R 407. **Seminar: Contemporary Religious Thought.** 3 hours.

An examination of the thought of representative contemporary theologians such as Neibuhr, Tillich, Buber, and Maritain with special emphasis on the relation of modern theology to contemporary art, literature, and culture. Prerequisite: consent of instructor. TuTh, 8:00 to 10:00 evening, Room 149 SH.

(S) R 462. **History of Great Religions.** 3 hours.

Comparative study of religions that command a large following today, such as Hinduism, Buddhism, Confucianism, Judaism, Christianity, and Islam. MTuThF, 10:00, Room 208 OM.

## Science

Faculty: BOHLEN, FERGUSON, GUREVITCH, JOHNSON, LANGE, MACNAB, MICKELSEN, NORRIS, ROBERTI, RUSSELL, WINCHELL

### Biology

\* (P) Bi 201, 202, 203. **General Botany.** 3 hours each.

An introduction to the morphology, physiology, and anatomy of flowering plants; brief survey of the plant kingdom; introductory taxonomy. Two hours of lecture; four hours of laboratory. Bohlen. MTuThF, Start 8:00, Room 314 OM.

\* (P) Bi 204, 205, 206. **General Zoology.** 4 hours each.

(June 22-August 21.) For biology and zoology majors and premedical, pre dental,

prenursing, prepharmacy, preveterinarian, physical education, psychology, fish and game management, and fisheries students. Macnab. Two hours of lecture; four hours of laboratory. Daily, start 8:00, Room 309 OM.

(U) Bi 405. **Reading and Conference.** 1-3 hours.

Staff.

### Chemistry

\* (P) Ch 104, 105, 106. **General Chemistry.** 4 hours each. (June 22-August 21.) For students majoring in medical technology, pre dental, nursing, and general studies.

Ch 104 (June 22-July 10) : Roberti. Ch 105 (July 13-July 31) : Johnson. Ch 106 (August 3-August 21) : Russell.

Lecture: daily, 8:00 to 9:30 and 12:30 to 1:30, Room 303 OM. Laboratory: daily, 9:30 to 12:00, Room 304 OM.

\* (P) Ch 334, 335, 336. **Organic Chemistry.** 4 hours each.

(June 22-August 21.) Comparative study of the chemistry of the compounds of carbon. Prerequisite: Ch 106 or 206. Ferguson.

Lecture: daily, 8:00 to 9:30 and 12:30 to 1:30, Room 313 OM. Laboratory: daily, 9:30 to 12:00, Room 362 OM.

(S) Ch 405. **Reading and Conference.** 1-3 hours.

Johnson.

\* (P) Ch 411, 412, 413. **Inorganic Chemistry.** 3 hours each.

Descriptive chemistry of the elements and their compounds; introduction to atomic nuclei, atomic structure, coordinator compounds and complex ions, reactions in non-aqueous solutions, radio-chemistry and various acide-base concepts. Prerequisite: three years of college chemistry. Mickelsen.

Lecture: MTuThF, 8:00 to 9:00 and 12:30 to 1:30, Room 306 OM. Laboratory: MTuThF, 9:00 to 12:00, Room 306 OM.

(S) Ch 407, 507. **Seminar: Instrumental Analysis.** 3 hours.

(June 22-July 20.) Theory and practice in the use of special electrical and optical instrumental methods of quantitative analysis: colorimetry; spectrophotometry; polarimetry; potentiometry; potentiometric and conductimetric titrations. Prerequisite: Ch 233 or Ch 234 and consent of instructor. Johnson.

Lecture: MTuThF, 6:15 to 7:00 evening. Room 303 OM. Laboratory: MTuThF, 7:00 to 10:00 evening, and Saturday, 8:00 to 12:00, Room 306 OM.

### General Science

\* (P) GS 101, 102, 103. **Biological Science Survey.** 3 hours each.

The fundamental principles of life as they apply to both plants and animals. For general students and those majoring in fields other than biology. If taken after courses with similar material have been completed, credit will be restricted. Winchell.

Lecture: TuWThF, 10:00 to 12:00, Room 303 OM. Laboratory A: TuWThF, 8:00 to 10:00, Room 310 OM. Laboratory B: TuWThF, 1:00 to 3:00, Room 310 OM.

\* (P) GS 104, 105, 106. **Physical Science Survey.** 3 hours each.

Fundamental principles of physics, chemistry, astronomy, and geology; development and application of the scientific method. For students majoring in fields other than the physical sciences who wish a broad view of the principles of several

\* Students must make special arrangements with the instructor to register for less than the entire sequence.

physical sciences. If taken after courses with similar material have been completed, credit will be restricted. Lange.

Lecture: TuWThF, 12:00 to 2:00, Room 53 SH. Laboratory A: TuWThF, 9:00 to 11:00, Room 1 SH. Laboratory B: TuWThF, 2:00 to 4:00, Room 1 SH.

(C) **GS 411. History of Science.** (g) 3 hours.

A brief history of the development of science, its social implications, and the growth of scientific method and philosophy. Prerequisite: upper-division standing. Lange. TuTh, 8:00 to 10:00 evening, Room 145 SH.

### Physics

\* (P) **Ph 201, 202, 203. General Physics.** 4 hours each.

(June 22-August 21.) Standard college physics. Prerequisite: Mth 102 or consent of instructor, Norris.

Lecture: daily, 8:00 to 11:00, Room 53 SH. Laboratory A: daily, 11:00 to 2:00, Room 3 OM. Laboratory B: daily, 2:00 to 5:00, Room 3 OM.

(S) **Ph 405. Reading and Conference.** 1-3 hours.

Norris.

\* (U) **Ph 411, 412, 413. Modern Physics.** (G) 3 hours each.

Introduction to the fundamental concepts of atomic, nuclear, and solid-state physics, in terms of experimental developments during the last fifty years. Kinetic theory, Bohr atom, atomic and molecular spectra, nuclear structure, radioactivity. Prerequisite: Ph 201, 202, 203; must be preceded by or accompanied by calculus. Gurevitch, MTuThF, 9:00 to 12:00, Room 247 SH.

### Secretarial Science

Faculty: BRIGGS, OLIVER

(P) **SS 111. Stenography.** (First Term). 3 hours.

Theory of shorthand; practical applications in sentence dictation. SS 121 must be taken concurrently unless the student has had the equivalent. Students with one year of shorthand are not permitted to take SS 111 for credit.

Section I: Briggs. MWThF, 9:00, Room 325 SH.

Section II (Briefhand): Oliver. (June 22-July 17.) MWThF, 12:00 to 2:00, Room 234 SH.

(P) **SS 121. Typing.** (First Term). 2 hours.

Theory and practice of touch typing; rhythmical drills, dictation exercises; writing paragraphs; punctuation and mechanical arrangements of business correspondence, legal forms, tabulating, manifold, speech practice. Students with one year or more of typing are not permitted to take SS 121 for credit. Briggs. Daily, 11:00, Room 325 SH.

(S) **BEd 536. Problems and Research Techniques in Business Education.** 3 hours.

Trends in high school commercial curriculum; evaluation of methods and available research studies. Prerequisite: Ed 408 or teaching experience in business subjects. Briggs. MTuWTh, 12:00, Room 325 SH.

See the following listed under Education:

(S) **Ed 508. Workshop: Business Education in Secondary Schools.** 3 hours. Briggs.

\* Students must make special arrangements with the instructor to register for less than the entire sequence.

## Sociology

Faculty: DANILSON, DRUM, JOHANNIS, KUTNER, TIKTIN

- (P) Soc 205, 206. **General Sociology.** (Second and Third Terms). 3 hours each.  
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.  
Soc 205. Johannis. MWThF, 9:00, Room 101 OM.  
Soc 206. Staff. MW, 8:00 to 10:00 evening, Room 103 SH.
- (P) Soc 335. **Social Psychology.** (Second Term). 3 hours.  
(June 22-July 17.) Analysis of the psychological and sociological processes in personality formation and in various forms of group behavior. Particular attention to origin, function, ideologies, membership, and leadership. Prerequisite: Soc 204, 205, or Psy 201, 202. Tiktin. TuWThF, 1:00 to 3:00, Room 345 SH.
- (P) Soc 338. **Marriage and the Family.** 3 hours.  
The growth and development of the family throughout its life cycle. The family and personality development, dating, courtship, mate selection, engagement, marital and family adjustments, family crises. Prerequisite: junior standing or consent of instructor. Drum. TuTh, 8:00 to 10:00 evening, Room 201 SH.
- (U) Soc 347. **Social Welfare Resources and Organization.** 3 hours.  
Designed to create an awareness of characteristics of problems brought to social agencies; of processes involved in planning services; of inter-agency relationships and the need for multidiscipline approach in providing services for people. Field trips, speakers, films and projects are used as teaching aids. Danilson. Tu, 3:00; W, 10:00; University of Oregon Medical School, Portland.
- (U) Soc 407. **Seminar: Family Life Education.** (G) 3 hours.  
The development of family life education programs, including a study of underlying philosophies, trends, materials and methods. Johannis. TuTh, 8:00 to 10:00 evening, Room 103 SH.
- (U) Soc 407. **Seminar: Rehabilitation of the Aging.** (G) 3 hours.  
(Section I: June 22-July 3. Section II: July 6-17.) The implications of present points of view on problems of aging and current trends in rehabilitation of the aging for professional workers. Review of current literature, referrals, role of professionals, financing, formal and informal therapy. While these seminars are designed primarily for nurses, social workers, vocational rehabilitation personnel, occupational therapists, physicians, dentists, educators, recreational directors, etc., enrollment of interested lay individuals is welcomed. Kutner. Daily, 9:00 to 12:00 and 1:00 to 4:00, Room 283 SH.
- (U) Soc 407. **Seminar: Sociology of Leisure.** (G) 3 hours.  
Developing patterns of the use of leisure time and their implications for group life in American culture. Johannis. MTuWF, 11:00, Room 221 SH.
- (U) Soc 416. **Criminology and Delinquency.** (G) (First Term: Criminology.) 3 hours.  
The nature and extent of delinquency and crime as forms of deviant social behavior; contributing factors; current prevention and treatment programs. Prerequisite: Soc 204, 205; or Psy 201, 202; or Soc 307. Drum. MTuWF, 11:00, Room 101 OM.
- (U) Soc 442. **Community Welfare Organization.** (g) 3 hours.  
Analysis of the process of bringing about a progressive adjustment between indi-

vidual and group welfare needs and community resources; the organizational framework within which the process operates; the social structure and dynamics of the community setting. Prerequisite: 9 hours in sociology or consent of instructor. Drum. MWThF, 9:00, Room 111 OM.

## Speech

Faculty: BRADLEY, EISENSON, ENGLISH, GAUPP, KENT, LILLYWHITE, NOBLES, ROBERTS, WILLIAMS, YOUNG

(P) Sp 111. **Fundamentals of Speech.** (First Term). 3 hours.

Projects in extempore speaking. Emphasis on content and organization of the speech, but attention also to poise, effective delivery, and command of the language.

Section I: Roberts. TuWThF, 8:00, Room 303 SH.

Section II: Roberts. MW, 8:00 to 10:00 evening, Room 347 SH.

Section III: Nobles. MTuWF, 11:00, Room 349 SH.

(P) Sp 232. **Group Discussion.** (Public Speaking for Business and Professional men and Women). 3 hours.

A practical course in actual speaking. Poise on the floor; improvement of diction and voice; organization of speech material and presentation in direct conversational style. Persuasion in speaking; sales talks. Study of motives that impel men to action and ways of reaching these motives. Nobles. TuTh, 8:00 to 10:00 evening, Room 347 SH.

(P) Sp 370. **Phonetics.** 3 hours.

A study of sounds used in speech; determination of sounds; their symbolic nature; their production; physical and psychological problems involved in their perception. No prerequisite. Nobles. TuWThF, 1:00, Shattuck School, Portland.

(U) Sp 371. **Speech Science.** 3 hours.

A study of the anatomy, psychology, and physics of speech. English. MTuWF, 11:00, Shattuck School, Portland.

(U) Sp 407. **Seminar: Development of the American Theatre 1859-1959.** 3 hours.

The course, through lectures and readings, will make a survey of the major currents and influences, literary as well as theatrical, on the history of the American professional and educational theater, with emphasis on the period 1859-1959, through the development of the American musical theater, community and educational amateur movements, and the influences of the motion picture techniques. Gaupp. MTuWF, 11:00, Room 109 OM.

(P) Sp 413. **Teaching Speech in the Elementary School.** 3 hours.

Methods and materials. Instruction in speech practices and projects suitable for the elementary classroom. Attention to the needs of children with both normal and defective speech. Recommended for all prospective elementary teachers. English. TuWThF, 1:00, Room 145 SH.

(P) Sp 414. **Teaching Speech in the Secondary School.** 3 hours.

Methods and materials. Instruction in speech practices and projects for the high school classroom and extra-curricular program. Especially recommended for all teachers of language arts on the secondary level. Roberts. MTuThF, 10:00, Room 103 OM.

(U) Sp 444. **Radio, Television Direction.** (G) 3 hours.

Production and direction techniques as they apply to the major program types. Executive aspects of preparing and staging programs for broadcast with emphasis

on selection, acquisition, adaptation and blending of creative materials for radio and television programming. Prerequisite: consent of instructor. Williams. TuTh, 6:00 to 8:00 evening, Room 349 SH.

(U) Sp 481, 482, 483. **Speech Pathology.** (G) 3 hours each.

Symptoms and causes of speech abnormalities; emphasis on diagnosis and basic pathology of articulatory defects and delayed speech, cleft-palate and spastic speech, aphasia, stuttering, neurological speech disorders, and methods of treatment. Permission of instructor required to enroll. Lillywhite, Bradley.

Sp 481. MWThF, 2:00, Shattuck School, Portland.

Sp 482. TuWThF, 8:00, Shattuck School, Portland.

Sp 483. MTuWTh, 12:00 and 2 hours of clinic between 1:00 and 4:00, Shattuck School, Portland.

(U) Sp 484, 485, 486. **Clinical Speech Therapy.** (G) 2 hours each.

Actual case experience for student clinicians in the diagnosis and treatment, under supervision, of speech-defective children and adults. Permission of instructor required to enroll. Lillywhite and staff. MTuWTh, 12:00 and 2 hours in clinic between 1:00 and 4:00, Shattuck School, Portland.

(U) Sp 487, 488. **Audiology.** (G) (First and Second Terms). 3 hours each.

The nature of hearing; hearing loss and speech involvements. Auditory tests and their interpretation; hearing aids, slip reading and auditory training. Sp 487 is a prerequisite for Sp 488. Permission of instructor required to enroll. Young.

Sp 487 (June 22-July 17). MWThF, 2:00 to 4:00, Crippled Children's Division Building, 745 S. W. Gaines Street, Portland.

Sp 488 (July 20-August 14). MWThF, 2:00 to 4:00, Crippled Children's Division Building, 745 S. W. Gaines Street, Portland.

(U) Sp 507. **Seminar and Practicum in Organic Language Disorders.** 6 hours.

Eisensohn and staff. (See *Workshops*, page 52.)

(U) Sp 507. **Seminar and Practicum in Problems of Hearing Impaired Children.** 6 hours.

Kent, Young. (See *Workshops*, page 52.)

# Workshops

## Eight-Week Workshops

- (U) Ed 455 **Primary-Education Workshop: Teaching in the Self-Contained Classroom.** (G) 3 hours. (June 22-August 14.)

Planned for experienced teachers. Of special interest to those who may lack background in music, art, and science. Provides opportunity for individual and group study. Effectiveness of techniques; materials and their evaluation; solving of problems gained out of actual experience; construction of materials in relation to scientific procedures. Prerequisite: undergraduate teaching methods and teaching experience or consent of instructor. Mosher. MTuWTh, 12:00, Room 349 SH.

- (U) Ed 457 **Intermediate and Upper-Grade Education Workshop: Teaching in the Self-Contained Classroom.** (G) 3 hours. (June 22-August 14.)

(See Ed 455 above.)

## Seven-Week Workshops

- (S) Mth 595X, 596X. **Summer Institute for High School Teachers of Mathematics.** 6 hours. (July 13-August 28.)

Open only to applicants who have been accepted by the Director. For information, write to R. W. Rempfer, Director, 1633 S. W. Park Avenue, Portland 1, Oregon. Daily, 8:00 to 4:00, Room 271 SH.

## Four-Week Workshops

- (U) Ed 507. **Seminar: Problems of Teaching Mentally Retarded for Advanced Students.** 6 hours. (June 22-July 17.)

Offered in cooperation with the Oregon State Department of Education for the purpose of studying teaching methods and developing curriculum materials and instructional procedures as an initial step in the development of a curriculum guide for teachers of the mentally retarded. Open only to certified experienced teachers of the mentally retarded. Designed especially for teachers in the Oregon State reimbursed program of special classes. Jones, M. Daily, 8:00 to 12:00, Eliot School, 2231 N. Flint Avenue, Portland.

- (S) Ed 508. **Workshop: Air and Space Education.** 6 hours. (July 13- August 7.)

Especially planned for elementary and secondary teachers and administrators; will consider economic, social, geographical, military, and technical aspects of the air and space age. Workshop will be held at Portland Air Force Base for major portion of four weeks. Four-day field trip in fourth week to U. S. Naval Ordnance Test Station, China Lake, California. Air transportation to visit the Boeing Airplane Company in Seattle, Wash., and to China Lake, Calif., to be furnished by the Armed Forces. Open only to those who have never enrolled in an Aviation Education Workshop. A limited number of students will be permitted to live at the Portland Air Force Base. Meals and lodging will approximate \$5.00 per day on base to be paid at time service is rendered. Air transportation and base accommodations limit enrollment. A few scholarships are available. Admission by prior application should be addressed to Robert J. Gridley, Coordinator of Workshops, 1633 S. W. Park Avenue, Portland 1, Ore. Stotler, Haas, Alsip, and special staff. Daily, 9:00 to 12:00 and 1:00 to 4:00.



**(U) Ed 508. Workshop: Economic Education. 6 hours. (June 22- July 17.)**

The workshop will provide an opportunity for experienced secondary school teachers to combine study of economic problems with the development of teaching materials for economic education in the high school. Designed primarily for principals, supervisors, and experienced teachers responsible for social study areas where economic education is taught. The Joint Council and Oregon Council on Economic Education are cooperating with the Portland Summer Session in this workshop. Forty scholarships will be available to qualified students. Limited enrollment. Requests for scholarship applications should be addressed to Robert J. Gridley, Coordinator of Workshops, 1633 S. W. Park Avenue, Portland 1, Ore. Wolf, Halley, Smith, and staff. Daily, 9:30 to 12:00 and 1:00 to 4:00, Room 150 SH.

**(U) PE 408. Workshop: Camping Education and Recreation, Section I Problems of Camp Management. 6 hours. (June 22-July 17.)**

An analysis of organized camp administration and organization; principles and problems of camp management; organizational and administrative techniques for voluntary, private, and public agencies. Emphasis given to school camping and outdoor education practices and problems. Actual learning situations including audio-visual aids, field trips, and directed laboratory experiences utilized to supplement class work. This workshop combined with subsequent Program and Leadership Workshop Section II, presents the entire scope of camping and outdoor education, and thus the combination is highly desirable. Open to elementary and secondary teachers, school, camp, and recreation administrators, voluntary and private agency staff, camp and recreation leaders. Limited enrollment. Students are expected to participate in field camp programs. **Good physical condition is imperative.** Kunde, Rodney, and special staff. Daily, 9:00 to 12:00, Room 203 SH. Field trips scheduled for certain afternoons.

**(U) Rec 508. Workshop: Camping Education and Recreation, Section I Problems of Camp Management. 6 hours.**

Kunde, Rodney, and special staff. (See PE 408. Workshop: Camping Education and Recreation, Section I Problems of Camp Management.)

**(U) Sp 507. Seminar and Practicum in Problems of Hearing Impaired Children. 6 hours. (July 20-August 14.)**

A Seminar designed to give speech therapists, special education teachers, and others concerned with hearing impaired children an opportunity to study problems associated with hearing impairment. Facilities of the Hosford School for the Deaf, and children with hearing loss from schools throughout the state will be utilized for demonstration and actual practice in methods of speech reading, auditory training, and speech correction. The Seminar will include discussion of theoretical and practical problems of hearing impairment as well as demonstrations and practice. Credit earned in this Seminar will apply toward requirements for the Oregon Certificate to teach the hard-of-hearing as well as offering clinical practice time and credit toward Basic Certification in the American Speech and Hearing Association. Enrollment limited. For permission to enroll contact Dr. Herold Lillywhite, Crippled Children's Division, University of Oregon Medical School, Portland, Ore. Kent, Young. Daily, 8:00 to 12:00, Hosford School, 2303 S. E. 28th Place, Portland.

**(U) Sp 507. Seminar and Practicum in Organic Language Disorders. 6 hours. (June 22-July 17.)**

Especially planned for experienced special education teachers working with speech problems and for speech correction majors. Seminar will provide opportunity for study of the many kinds of language problems resulting from organic brain damage in children and adults. Course will include discussion of theoretical and prac-

tical problems related to organic language disorders, and practice in diagnostic and remedial procedures will be provided through demonstration and direct experience with children who have various kinds of language problems. Credit and clinical practice in the Seminar will apply toward Clinical Certification in the American Speech and Hearing Association. Course limited. Permission to enroll required. Apply to Dr. Herold Lillywhite, University of Oregon Medical School, Portland, Ore. Eisenson and staff. Daily, 8:00 to 12:00; Crippled Children's Division, University of Oregon Medical School, Portland.

### Three-Week Workshops

- (U) Ed 508. **Workshop: Bill of Rights Education.** 6 hours. (June 22- July 10.)

An intensive study of the Bill of Rights and its place in American life today. Lectures by distinguished consultants and staff on the various amendments, their origins and status today; class discussions of recent Supreme Court decisions with special emphasis on the First and Fifth Amendments. Special workshop sessions for elementary teachers designed to deal with the problems of developing attitudes toward individual freedom and liberty through the use of selected materials; for intermediate teachers designed to deal with the problem of civil liberties and current events teaching; and for secondary teachers of English and social studies in particular dealing with methods and materials available for more extensive study of the Bill of Rights in American history, American problems courses and combined English-social studies courses. Special work available for concentration in political science problems. Bierman. Daily, 9:00 to 12:00 and 1:00 to 3:00, Room 303 SH.

### Two-Week Workshops

- (S) CT 408, 508. **Workshop: Bishop Method of Clothing Construction.** (Basic Course) 3 hours. (June 22-July 3.)

Construction of garments with emphasis on time management and organization of work. Method as applied to adult and secondary teaching. Enrollment limited. Priority given to Portland teachers. Application must be made in advance to Robert J. Gridley, Coordinator of Workshops, 1633 S. W. Park Avenue, Portland 1, Ore. Rottuck, Baumer, Shuck. Daily, 8:00 to 12:00 and 1:00 to 5:00. Madison High School, 2735 N. E. 82nd Ave., Portland, Ore.

- (S) CT 408, 508. **Workshop: Bishop Method of Clothing Construction.** (Refresher Course) 3 hours. (June 22-July 3.)

The refresher course is open only to individuals who have earned credit in a previous workshop(s) in the Bishop Method. Advanced techniques in clothing construction. Teaching methods and integration of Bishop Method and materials in the secondary school curriculum. Enrollment limited. Priority given to Portland teachers. Application must be made to Robert J. Gridley, Coordinator of Workshops, 1633 S. W. Park Ave., Portland 1, Ore. Rotruck, Baumer, Shuck. Daily, 8:00 to 12:00 and 1:00 to 5:00, Madison High School, 2735 N. E. 82nd Ave., Portland, Ore.

- (U) Ed 508. **Workshop: Educational Television.** 3 hours. (July 20-July 31.)

Of special interest to teachers who may lack background in the use of educational television as a teaching tool. Through individual and group study consideration will be given to the problems of integrating educational television materials into the school curriculum and the preparation of educational television programs. Effectiveness of techniques and evaluation of educational programs. Williams, Macomber. Daily, 9:00 to 12:00 and 1:00 to 3:00, Room 20, General Extension Division Building, 1633 S. W. Park Ave., Portland, Ore.

(U) PE 408. **Workshop: Camping Education and Recreation, Section II Program and Leadership.** 3 hours. (July 20- July 31.)

Students will live and work in an organized camp for one week. Emphasis will be given to camp leadership techniques, principles, and problems of leadership and group behavior as related to camping education; seminars on methods, techniques, and program practices in outdoor education. Section I, four-week workshop on Problems of Camp Management, not a prerequisite but highly desirable. Open to elementary and secondary teachers, school, camp and recreation administrators, voluntary and private agency staff, camp and recreation leaders. Limited enrollment. Students are expected to participate in field camp programs. **Good physical condition is imperative.** Kunde, Rodney, and special staff. Daily, 9:00 to 12:00, Room 203 SH. Organized camps.

(U) Rec 508. **Workshop: Camping Education and Recreation, Section II Program and Leadership.** 3 hours.

Kunde, Rodney, and special staff. (See PE 408. **Workshop: Camping and Recreation, Section II Program and Leadership.**)

(P) Wr 12. **Writers Conference.** (Fiction, Poetry, Juvenile Writing, Non-fiction, and Playwriting.) Non-credit. (August 3-August 14.)

A lecture, workshop, and discussion program in creative writing (short story, the novel, poetry, juveniles, non-fiction books and articles, and plays). An opportunity will be provided writers, teachers, and others to participate in the processes of creative writing. Technical demonstrations, analysis of student writing, lectures and discussions will be conducted informally by the conference lecturers and consultants. Markets for creative and commercial writing will be evaluated and discussed. Students will have an opportunity to submit manuscripts for private criticism. Academic credit may be arranged by consulting Anthony Netboy, Conference Director, Portland Summer Session, 1633 S. W. Park Ave., Portland, Ore. Conference fee: \$36.00 two weeks; \$25.00 one week. Registration will be accepted for either the first or second week or both weeks. Leaders: Jessamyn West (fiction); Anthony Netboy (non-fiction); Karl Shapiro (poetry); Evelyn Sibley Lampman (juveniles) and Charles Gaupp (playwriting). Daily, 1:30 to 4:30, Room 250 SH.

## One-Week Workshops

(S) Ed 407. **Seminar: Workshop in Conservation Education for Elementary and Secondary Teachers.** 3 hours. (Section I: July 26-August 1; Section II: August 2-8; Section III: August 9-15.)

On-the-spot study of forestry, lumber, wildlife, minerals, soils, crops, irrigation, power potentials and outdoor living for elementary and secondary teachers. This workshop, offered in three identical sessions, will be held at Hoodoo Bowl near the summit of Oregon's Santiam Pass, just off highway 20. Many public and private agencies, industries, and organizations interested in conservation of natural resources cooperate with Portland Summer Session by providing skilled leaders to serve as resource people at the workshop. Educational consultants assist students in planning projects to include conservation and outdoor education in the school curriculum. Students may enroll for one section only. Each section of the workshop is limited to 36 registrants. Graduate students may register for Ed 508. **Workshop: Conservation and Outdoor Education for Elementary and Secondary Teachers** in lieu of Ed 407. **Seminar: Workshop in Conservation and Outdoor Education for Elementary and Secondary Teachers.** The workshop is not open to students who participated in any previous Conservation Workshop offered in the Portland Summer Session. Students are expected to participate in all field trips. Field trips, in some cases, are held under dusty conditions and at

high altitudes. **Good physical condition is imperative.** Course fee, \$27.00; food and lodging for seven days, \$40.00; both sums are payable at the time of registration. **Registration is by application only and must be completed on or before July 15.** (Enrollees are responsible for their own transportation to and from Hoodoo Bowl Inn.) Scholarships are available for qualified teachers. Applications should be addressed to Robert J. Gridley, Coordinator of Workshops, 1633 S. W. Park Avenue, Portland 1, Ore. Hopson, Brooks, and special staff.

- (S) Ed 407. **Seminar: Workshop in Advanced Conservation Education for Elementary and Secondary Teachers.** 3 hours (July 19-July 25).

Interrelationships between the physical environment and the flora and fauna with implications for conservation of the natural resources. Field study in the Cascades at Hoodoo Bowl of marshes, mountain meadows, rock gardens, and various types of forests. Attention will be given to geology, climate, life zones, plant and animal associations. The dominant forms of life will be examined. Field methods used will apply in other regions. The natural history approach considers an area as it is found at any time or place—the contribution of the past—the probable future. Hoodoo Bowl Inn is located near the summit of Oregon's Santiam Pass, just off highway 20. (Enrollees are responsible for their own transportation to and from Hoodoo Bowl Inn and for short field trips.) Graduate students may register for Ed 508. **Workshop: Advanced Conservation and Outdoor Education for Elementary and Secondary Teachers.** Enrollment limited to students having completed a basic Conservation Workshop. Students are expected to participate in all field trips, in some cases held under dusty conditions. **Good physical condition is imperative.** Course fee, \$27.00; food and lodging for seven days, \$40.00; both sums are payable at the time of registration. **Registration is by application only and must be completed on or before July 1.** Applications should be addressed to Robert J. Gridley, Coordinator of Workshops, 1633 S. W. Park Avenue, Portland 1, Ore. Hopson, Brooks, and special staff.

- (S) Ed 508. **Workshop: Conservation Education for Elementary and Secondary Teachers.** 3 hours. Hopson, Brooks and special staff. (See Ed 407. **Seminar: Workshop in Conservation and Outdoor Education for Elementary and Secondary Teachers.**)

- (S) Ed 508. **Workshop: Advanced Conservation Education for Elementary and Secondary Teachers.** 3 hours. Hopson, Brooks, and special staff. (See Ed 407. **Seminar: Workshop in Advanced Conservation and Outdoor Education for Elementary and Secondary Teachers.**)

## Post-Session Workshops

August 17-August 28

All Post-Session Workshops are of two weeks duration  
and offer 3 hours credit

- (U) ArE 401, 501. **Special Studies: Arts and Crafts for Teachers.** 3 hours

Instruction in the use of basic tools and materials. An examination of art in the school curriculum. Haskin. Daily, 9:00 to 12:00 and 1:00 to 3:00, Room 301 OM.

- (C) Ed 410. **Methods and Research Materials: Elementary School Science.** (G) 3 hours.

Designed for elementary teachers who are interested in improving their science teaching. Attention will be given to the study of methods and materials as they relate to specific areas of science taught in the elementary grades. Emphasis will be given to the development of each teacher's own background of science. Leavitt, Blecha, Huntsberger. Daily, 9:00 to 12:00 and 1:00 to 3:00, Room 207 OM.

(S) Ed 508. **Workshop: Adolescent Problems.** 3 hours.

Role of the school administrator and classroom teacher in identifying and dealing with adolescent problems. Origin and development of behavior, both normal and deviate. Cooperation among school, home, community, and governmental agencies dealing with behavior problems. Schulz, Boyd, Morrison, and staff. Daily, 9:00 to 12:00 and 1:00 to 3:00, Room 271 SH.

(U) Ed 508. **Workshop: Arithmetic.** 3 hours.

Through lectures and demonstrations, attention will be given to the problem of teaching arithmetic in the elementary grades. Opportunities will be provided for individuals to construct arithmetic teaching aids or to work on individual projects. Ruddell, Hoel, Mosher. Daily, 9:00 to 12:00 and 1:00 to 3:00, Room 101 OM.

(S) Ed 508. **Workshop: Business Education in Secondary Schools.** 3 hours.

Designed primarily for business education teachers or people planning to go into the business education field. Lectures, demonstrations, laboratories, and field trips for orientation into the fields of briefhand, shorthand, typing, bookkeeping, socio-business, and office practice. Latest techniques will be used in presenting this program. Use of audio-visual aids in education. Opportunity will be afforded for group discussion and participation in specific areas of interest. Various leaders and authors in the field of business education will be utilized throughout the workshop. Briggs. Daily, 9:00 to 12:00 and 1:00 to 3:00, Room 371 SH.

(S) Ed 508. **Workshop: Citizenship Education.** 3 hours.

The Workshop will provide teachers with specific techniques for planning children's activities aimed at developing civic skills. Teachers will be encouraged to plan within the framework of their own situations. Wolf. Daily, 9:00 to 12:00 and 1:00 to 3:00, Room 201 SH.

(U) Ed 508. **Workshop: Parent-Teacher Leadership.** 3 hours.

A Workshop planned to provide leadership training for teachers, school administrators, and parents. The current projects of the parent-teacher movement will be presented and examined. Major emphasis will be given to improving home-school relationships. Counseling on individual home-school relationship problems will be available. Moorhead. Daily, 9:00 to 12:00 and 1:00 to 3:00, Room 301 SH.

(U) Ed 508. **Workshop: Teaching of Geography.** 3 hours.

A study of principles and methods used in presentation of basic materials of geography. Maps, globes, charts, slides, filmstrips. Occasional field trips. Newhouse. Daily, 9:00 to 12:00 and 1:00 to 3:00, Room 383 SH.

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

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. Eales. Daily, 9:00 to 12:00 and 1:00 to 3:00, Room 101 SH.

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

Designed especially for individuals who have completed the basic course and wish advanced training. Prerequisite: IE 412 and at least one year of teaching experience in driver-training instruction or consent of the instructor. Urlaub. Daily, 9:00 to 12:00 and 1:00 to 3:00, Room 103 SH.

(U) MuE 407. **Seminar: Band Techniques.** (G) 3 hours.

Daily rehearsals of clinic band; daily lectures on problems related to band; daily demonstrations on the instruments of the band by members of the Portland Symphony and others. The clinic band will consist of 60 selected high school and college band musicians. Vagner. Daily, 9:00 to 12:00 and 1:00 to 3:00, Room 453 SH.

(U) MuE 407. **Seminar: Music in the Elementary Grades.** (G) 3 hours.

The place of music in the lives of all teachers of children. The scope of a program in which every child can find something that is suited to individual preferences and needs. Demonstration of materials appropriate for different maturity levels. Singing, rhythms, dramatic play, the expressive use of informal instruments, listening to music, creative expression, reasonable approaches to musical notation, and correlations with other relevant areas of the school curriculum. Pitts. Daily, 9:00 to 12:00 and 1:00 to 3:00, Room 349 SH.

1959  
Portland Summer Session  
and  
Portland Extension Center  
Administration and Staff

JOHN R. RICHARDS, Ph.D., Chancellor, Oregon State System of Higher Education.  
JAMES W. SHERBURNE, Ph.D., Dean, General Extension Division.  
DONALD R. LARSON, B.A., Assistant to the Dean, General Extension Division; Director, Information Services.

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MILTON K. DAVIS, Ph.D., Head, Management and Executive Development Program.  
FLOYD J. CAMPBELL, M.B.A., Head, Business and Labor Programs.  
ANDRIES DEINUM, M.A., Film Consultant.  
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LEROY R. PIERSON, Ed.D., Student Adviser; Graduate Adviser, Oregon State College and Regional Colleges.  
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MARIE E. BROWN, Secretary.

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HELEN R. WILDERMAN, B.A., Assistant Registrar, General Extension Division.

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## Portland Summer Session Faculty

MARJORIE ALBERTSON, M.M., Assistant Professor of Music, Portland State College and Portland Extension Center.  
LOIS A. ALSIP, B.S., General Supervisor, Lake County Schools.  
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FREEMAN B. ANDERSON, Ph.D., Instructor in English, Portland State College.  
GERALD F. ANDERSON, Ph.D., Instructor in Romance Languages, University of Oregon.

- JAMES G. ASHBAUGH, M.A., Instructor in Geography, Portland State College and Portland Extension Center.
- JACQUES BARZUN, Ph.D., Professor of History and Provost of the University, Columbia University.
- MALCOLM C. BAUER, B.S., Associate Editor, *The Oregonian*.
- ALEEN BAUMER, M.S., Instructor in Home Economics, Portland Public Schools.
- JOHN EDWARD BELLAMY, Ph.D., Associate Professor of Humanities, Oregon College of Education.
- MIRIAM BENNEE, D.Ed., Associate Professor of Education, Goucher College.
- HAROLD W. BERNARD, Ph.D., Professor of Education, General Extension Division and University of Oregon.
- JUDAH BIERMAN, Ph.D., Associate Professor of English, Portland State College and Portland Extension Center.
- MILO K. BLECHA, Ed.D., Assistant Professor of Elementary Education, University of Arizona.
- ANNE C. BOHLEN, M.A., Instructor in Biology, Franklin High School.
- RALPH L. BOYD, Ph.D., C.P.A., Professor of Business Administration, Portland Extension Center and Portland State College.
- ROBERT D. BOYD, Ph.D., Associate Professor of Psychology, University of Oregon.
- DORIS PARKER BRADLEY, M.A., Instructor, Speech Clinician, Portland Extension Center.
- QUIRINUS BREEN, Ph.D., Professor of History, University of Oregon.
- JAMES R. BRIGGS, Ed.D., Associate Professor, College of Business Administration, University of Washington.
- JAMES BROOKS, Ph.D., Assistant Professor of Geography, Portland State College.
- DONALD W. BRUNER, Ed.D., Principal, Abernethy School.
- M. R. BURRELL, B.A., Graduate Assistant in Business Administration, University of Oregon.
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- FLOYD J. CAMPBELL, M.B.A., Assistant Professor of Business Administration, Portland Extension Center.
- KARLIN CAPPER-JOHNSON, M.A., Professor of International Affairs, Lewis & Clark College.
- FRANCIS CHAPIN, B.S., Painter.
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- CHESTER F. COLE, Ph.D., Associate Professor of Geography, Fresno State College.
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- DALE E. COURTNEY, M.A., Assistant Professor of Geography, Portland State College and Portland Extension Center.
- FREDERICK J. COX, Ph.D., Professor of History, Portland State College and Portland Extension Center.
- CAROL F. CREEDON, Ph.D., Assistant Professor of Psychology, Reed College.
- EDMUND CYKLER, Ph.D., Professor of Music, University of Oregon.
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- DAVID DARLAND, Ed.D., Director of Professional Services, Oregon Education Association.



- MILTON K. DAVIS, Ph.D., Associate Professor of Psychology, Portland Extension Center.
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- CHARLES J. GAUPP, JR., Ph.D., Associate Professor of Speech, Portland Summer Session.
- JESSE L. GILMORE, Ph.D., Associate Professor of History, Portland State College and Portland Extension Center.
- MARGARET GREENSLADE, M.S., Assistant Professor of Health Education, Portland State College.
- MARK GUREVITCH, Ph.D., Professor of Physics, Portland State College.
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- RAY J. HAAS, M.A., Director, Adult and Vocational Education, Forest Grove Union High School.
- RICHARD B. HALLEY, M.S., Associate Professor of Economics, Portland State College.
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- DONALD JARVIS, Vancouver School of Art, Vancouver, British Columbia.
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- JOHN RAYMOND MICKELSEN, Ph.D., Assistant Professor of Chemistry, Portland State College.
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- CARL V. MORRISON, M.D., Director, Child Guidance Clinic, Portland.
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- ANTHONY NETBOY, M.A., Instructor in English, Portland Extension Center and Portland State College.
- DAVID H. NEWHALL, Ph.D., Associate Professor of Philosophy, Portland State College and Portland Extension Center.
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- LILLA BELLE PITTS, Professor Emeritus of Music Education, Teachers College, Columbia University.

## Department of Educational Radio and Television

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 ROBERT C. HINZ, B.A., Assistant Program Manager, News Editor.  
 CHARLES CALLACI, M.A., Producer-Director.  
 TESS M. WILLIAMS, M.S., Portland Consultant.  
 ROBERT M. ROBERTS, B.A., Producer-Announcer.  
 WILLIAM F. McGRATH, M.A., Production Supervisor.  
 ROBERT RICHTER, B.A., Salem Consultant.  
 JOHN MacKENZIE, B.S., Producer-Announcer.  
 JOHN MacDONALD, B.A., Producer-Announcer.  
 PHILIP B. KALAR, Mus.B., Music Director.  
 GLADYS D. CHAMBERS, B.A., Women's Programs.  
 ELIZABETH PATAPOFF, B.A., School Programs.

## Department of Visual Instruction

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 JACK N. GOODMAN, M.A., Library Manager.  
 E. MILTON GRASSELL, M.A., School Specialist.  
 HELEN FAICK, B.A., Artist Service.  
 \*LAURENCE BUTLER, M.A., Regional Director, Ashland.  
 CHESTER C. SQUIRE, M.A., Acting Regional Director, Ashland.  
 WILLIAM P. WELLS, M.A., Regional Director, La Grande.

## GENERAL EXTENSION DIVISION

General Extension Division is interinstitutional in character. It is the extension arm of all state-supported campuses contained within the integrated State System of Higher Education. This state-wide form of extension is unusual among the various states. It is considered an ideal by educators throughout the nation. The full effectiveness of Oregon's General Extension Division can be seen as dependent on the vast resources of not only one institution of higher education, but on many. Financially, however, the Division is considerably self-sufficient, earning much of its way through collection of authorized fees for the services it provides. Information on some of the services it offers follows.

## DEPARTMENT OF STATE-WIDE SERVICES

These services consist of the state-wide evening classes, correspondence study courses, conferences, workshops, and consultant services to business, industry, education and other activities. Any community in Oregon may become a meeting place for state-wide evening classes if a satisfactory facility is provided and sufficient enrollment is guaranteed to cover actual operating costs. For convenience of Oregonians, state-wide offices are maintained on campuses in Salem, Eugene, Corvallis, Monmouth, Ashland and LaGrande. Contacts at any of these offices will receive prompt attention.

## DEPARTMENT OF EDUCATIONAL RADIO AND TELEVISION

Radio station KOAC and television station KOAC-TV are educational stations owned by the state of Oregon and operated by the State System of Higher Education

\* On leave of absence, 1958-59.

with General Extension Division in charge of program and other administration. KOAC-TV broadcasts on channel 7 with its transmitter located on Vineyard Hill near Corvallis. Programs originating in both Corvallis and Eugene reach the transmitter by microwave relay. Now a relatively low-power transmission which began as a campus television teaching experiment, with present programming until 8 p.m. Monday through Friday, KOAC-TV will increase its power sometime in the future. KOAC radio transmission on 550 kc is received throughout the state Monday through Saturday from 10 a.m. until 10 p.m. In addition to its transmission of both radio and television, the department is responsible for development of the Tapes for Teaching library, which assists teachers in classrooms throughout the state.

## PORTLAND EXTENSION CENTER

An evening class activity, Portland Extension Center uses facilities of Portland State College for both undergraduate and graduate study. Present enrollments at the Center approximate 6,000 students in all categories. All courses taken for college credit at the Center originate at one or another of the state system campus institutions and instructors are in most instances members of a campus faculty. No degrees are granted by the Center.

## PORTLAND SUMMER SESSION

Under the same administration as the evening center, Portland Summer Session is principally a daytime program generally operating from June through August. Enrollments in recent sessions exceed 3,000 and statistics show it is the state's best-attended summer session. A full program of undergraduate and graduate courses is offered and special workshops for teachers and education administrators are provided.

## INSTITUTE OF INTERNATIONAL AFFAIRS

Through the Institute, General Extension Division assists other organizations in programs concerning international affairs such as Great Decisions, which it has developed in cooperation with Oregon State Extension Service and the Foreign Policy Association. In addition, the Institute serves as a distribution center for U. S. State Department and UNESCO publications.

## OFFICE OF THE DEAN

Headquarters office for General Extension Division is at 1633 S. W. Park Avenue, Portland 1, Oregon.

## DEPARTMENT OF VISUAL INSTRUCTION

The department of Visual Instruction of General Extension Division provides glass and film slides, microscopic slides, and 16 mm. motion picture films suitable for use by schools, community clubs, and other organizations. A catalog is published listing materials available. Located on the campus of Oregon State College at Corvallis, the department is maintained jointly by General Extension Division and Federal Co-operative Extension Service.

# Oregon State System of Higher Education

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FRANCIS B. NICKERSON, M.S.	.....	Executive Secretary High School-College Relations Committee

## Former Chancellors Oregon State System of Higher Education

WILLIAM J. KERR, D.Sc., LL.D.	.....	1932-1935
FREDERICK M. HUNTER, Ed.D., LL.D.	.....	1935-1946
PAUL C. PACKER, Ph.D., LL.D.	.....	1946-1950
CHARLES D. BYRNE, Ed.D.	.....	1950-1955

Number	Course Title	Instructor	Room
MPM 442.	Principles of Salesmanship. (C) TuTh	Richins	303 SH
Mus 407.	Seminar: Music and the Plastic Arts. (C) MW	Cyklar	349 SH
PE 515.	History and Theories of Physical Education. TuTh	Washke	145 SH
PS 201.	American Governments. TuTh	Dixon	345 SH
PS 420.	International Organization. (C) TuTh	Capper-Johnson	347 SH
PS 441.	Area Tensions in the World Today (Africa). (C) TuTh	Cox	249 SH
Psy 203.	General Psychology. MW	Smith, R. E.	201 SH
Sp 444.	Radio, Television Direction. (C) TuTh	Williams	349 SH
Wr 111.	English Composition. (Section II). MW	Yorks	245 SH
Wr 113.	English Composition. (Section II). MW	Waller	247 SH
Wr 214.	Business English. TuTh	Nethoy	103 SH

6:45 to 9:15 p.m.

AA 290.	Painting. (Section II). TuTh	Heidel	373 OM
BA 223.	Elements of Marketing. TuTh	Campbell	101 SH
BEd 407.	Seminar: Office Organization and Management. (C) MW	Burrell	145 SH
GL 101.	Second-Year German. MW	Lpgan	149 SH
MPM 454.	Fundamentals of Risk & Insurance. TuTh	Burrell	149 SH
Mth 100.	Intermediate Algebra. (Section II). MW	Flanagan	203 SH
Mus 395.	Band. TuTh	Trudeau	453 SH
RL 107.	Second-Year Spanish. TuTh	Anderson, C.	147 SH

8:00 to 10:00 p.m.

Ac 312.	Principles of Cost Accounting. MW	Matthies	303 SH
Ec 407.	Seminar: Economic History of the United States. (g) MW	Tuttle	247 SH
Ec 417.	Contemporary Economic Problems. (g) TuTh	Halley	247 SH
Eng 104.	Appreciation of Literature. MW	Weiss	101 SH
Eng 109.	World Literature. MW	Yorks	245 SH
Geog 105.	Introductory Geography. (Section III). MW	Ashbaugn	301 SH
Geog 507.	Seminar: Geography of World Affairs. MW	Meyer	345 SH
G5 411.	History of Science. (g) TuTh	Lange	145 SH
Hst 432.	Reformation. (C) MW	Breen	249 SH
Hst 475.	American Foreign Relations. (C) TuTh	Hubbard	249 SH
MPM 435.	Marketing Management. (C) TuTh	Richins	303 SH
Mus 408.	Seminar in Music History. (C) MW	Turrell	349 SH
Phl 301.	History of Philosophy. MW	Polonoff	147 SH
PS 433.	Political Theory: The American Tradition. (C) TuTh	Dixon	345 SH
Psy 311.	Human Development. (Section IV). MW	Lyman	201 SH
R 407.	Seminar: Contemporary Religious Thought. TuTh	Hovland	149 SH
Soc 206.	General Sociology. MW	Staff	103 SH
Soc 338.	Marriage and the Family. TuTh	Drum	201 SH
Soc 407.	Seminar: Family Life Education. (C) TuTh	Johannis	103 SH
Sp 111.	Fundamentals of Speech. (Section II). MW	Roberts, F.	347 SH
Sp 232.	Group Discussion (Public Speaking for Business and Professional Men and Women.) TuTh	Nobles	347 SH
Wr 112.	English Composition. (Section II). TuTh	Lansing	245 SH

### One Week

(Ed 407. Seminar: Workshop in Conservation and Outdoor Education for Elementary and Secondary Teachers)	Hopson, Brooks, and staff	Hoodoo Ski Bowl
(Ed 508. Workshop: Conservation and Outdoor Education for Elementary and Secondary Teachers Section I: July 16-August 1 Section II: August 2-8 Section III: August 9-15)	Hopson, Brooks, and staff	Hoodoo Ski Bowl
(Ed 407. Seminar: Workshop in Advanced Conservation and Outdoor Education for Elementary and Secondary Teachers)	Hopson, Brooks, and staff	Hoodoo Ski Bowl
(Ed 508. Workshop: Advanced Conservation and Outdoor Education for Elementary and Secondary Teachers (July 19-25))	Hopson, Brooks, and staff	Hoodoo Ski Bowl

### Two Weeks

AA 490. Advanced Painting. (g) (July 27-August 7) Daily, 8:00 to 11:00	Chapin, Prasch, Haskin	373 OM 301 OM
(ArE 401. Special Studies: Arts and Crafts for Teachers (ArE 501. Special Studies: Arts and Crafts for Teachers (August 17-28)) Daily, 9:00 to 12:00 and 1:00 to 3:00	Rotruck	Madison High School
CT 408, 508. Workshop: Bishop Method of Clothing Construction (Basic Course). (June 22-July 3) Daily, 8:00 to 12:00 and 1:00 to 5:00	Rotruck	Madison High School
CT 408, 508. Workshop: Bishop Method of Clothing Construction (Refresher Course). (June 22-July 3) Daily, 8:00 to 12:00 and 1:00 to 5:00	Rotruck	Madison High School
Ed 410. Methods and Research Materials: Elementary School Science (G) (August 17-28) Daily, 9:00 to 12:00 and 1:00 to 3:00	Leavitt, Blecha, Huntsberger	207 OM
Ed 508. Workshop: Adolescent Problems (August 17-28) Daily, 9:00 to 12:00 and 1:00 to 3:00	Schulz, Boyd, Morrison, and staff	271 SH

Number	Course Title	Instructor	Room
Ed 508.	Workshop: Business Education in Secondary Schools (August 17-28) Daily, 9:00 to 12:00 and 1:00 to 3:00	Briggs	371 SH
Ed 508.	Workshop: Educational Television (July 20-31) Daily, 9:00 to 12:00 and 1:00 to 3:00	Williams, Macomber	20 GED Building
Ed 508.	Workshop: Citizenship Education (August 17-28) Daily, 9:00 to 12:00 and 1:00 to 3:00	Wolf, Ruddled, Hoel, Mosher	201 SH 101 OM
Ed 508.	Workshop: Arithmetic (August 17-28) Daily, 9:00 to 12:00 and 1:00 to 3:00	Moorhead	301 SH
Ed 508.	Workshop: Parent-Teacher Leadership (August 17-28) Daily, 9:00 to 12:00 and 1:00 to 3:00	Newhouse	383 SH
Ed 508.	Workshop: Teaching of Geography (August 17-28) Daily, 9:00 to 12:00 and 1:00 to 3:00	Eales	101 SH
IE 412.	Driver Education and Training (August 17-28) Daily, 9:00 to 12:00 and 1:00 to 3:00	Urlaub	103 SH
IE 507.	Seminar: Advanced Course in Driver Education (August 17-28) Daily, 9:00 to 12:00 and 1:00 to 3:00	Nethoy and staff	250 SH
Wr 12.	Writers' Conference (Fiction, Poetry, Juvenile Writing, Nonfiction and Playwriting) (August 3-14) Daily, 1:30 to 4:30	Kunde, Rodney	203 SH
(PE 408. Workshop: Camping Education and Recreation, Section II Program and Leadership (July 20-31)) Daily, 9:00 to 12:00	Vagner	453 SH	
(PE 408. Workshop: Camping Education and Recreation, Section II Program and Leadership (July 20-31)) Daily, 9:00 to 12:00	Pitta	349 SH	
MuE 407. Seminar: Band Techniques. (C) (August 17-28) Daily, 9:00 to 12:00 and 1:00 to 3:00	Bierman	303 SH	
MuE 407. Seminar: Music in the Elementary Grades. (G) (August 17-28) Daily, 9:00 to 12:00 and 1:00 to 3:00			

### Three Weeks

(Ed 508. Workshop: Bill of Rights Education (PS 507. Seminar: Bill of Rights Education (June 22-July 10)) Daily, 9:00 to 12:00 and 1:00 to 3:00		
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### Four Weeks

(Ec 407. Seminar: Economic Problems. (g) (Ed 508. Workshop: Economic Education (June 22-July 17)) Daily, 9:30 to 12:00 and 1:00 to 4:00	Wolf, Halley, Smith, and staff	150 SH
Ed 507. Seminar: Problems of Teaching Mentally Retarded for Advanced Students (June 22-July 17) Daily, 8:00 to 12:00	Jones, M.	Eliot School
Ed 508. Workshop: Air and Space Education (July 13-August 7) Daily, 9:00 to 12:00 and 1:00 to 4:00	Stotler, Haas, Alaip, and staff	Portland Air Force Base
Ed 554. Elementary School Supervision and Administration (June 22-July 17) MWThF, 12:00 to 2:00	Oliver, W.	215 OM
Ed 575. School Finance (June 22-July 17) MWThF, 12:00 to 2:00	Doherty	383 SH
Ch 426. Instrumental Analysis (June 22-July 20) Lecture: MTuThF, 6:15 to 7:00 evening Laboratory: MTuThF, 7:00 to 10:00 evening and Saturday, 8:00 to 12:00	Johnson, C.	303 OM
(PE 408. Workshop: Camping Education and Recreation, Section I: Problems of Camp Management (Rec 508. Workshop: Camping Education and Recreation, Section I: Problems of Camp Management (June 22-July 17)) Daily, 9:00 to 12:00	Kunde, Rodney	306 OM 203 SH
Soc 335. Social Psychology (June 22-July 17) TuWThF, 1:00 to 3:00	Tiktin	345 SH
Soc 407. Seminar: Rehabilitation of the Aging. (G) (Section I: June 22-July 3) (Section II: July 6-17) Daily, 9:00 to 12:00 and 1:00 to 4:00	Kutner	283 SH

Number	Course Title	Instructor	Room
Sp 487.	Audiology. (G) (June 22-July 17) MWThF, 2:00 to 4:00	Young	Crippled Children's Division
Sp 488.	Audiology. (C) (July 20-August 14) MWThF, 2:00 to 4:00	Young	Crippled Children's Division
Sp 507.	Seminar and Practicum in Organic Language Disorders (June 22-July 17) Daily, 8:00 to 12:00	Eisensohn and staff	Crippled Children's Division
Sp 507.	Seminar and Practicum in Problems of Hearing Impaired Children (July 20-August 14) Daily, 8:00 to 12:00	Kent, Young	Hosford School
SS 111.	Stenography. (Section II: Briefhand) (June 22-July 17) MWThF, 12:00 to 2:00	Oliver, P.	324 SH

### Six Weeks

AA 255. Ceramics (June 22-July 31) MTuWThF, 1:00 to 4:00	Shores	Art Museum
AA 290. Painting (June 22-July 31) MTuWTh, 1:00 to 4:00	Jarris	Art Museum
Ed 507. Seminar: Structure and Function of the Eye (June 22-July 17) Daily, 8:00	Jones, J. & specialists	Hosford School
Ed 507. Seminar: History and Philosophy of Teaching Visually Handicapped Children (July 20-31) Daily, 8:00	Tones, J.	Hosford School
Ed 507. Seminar: Braille (June 22-July 31) MWThF, 9:00	Sinclair	Hosford School
Ed 508. Workshop: Clinical Methods and Teaching Techniques for Visually Handicapped Children (June 22-July 31) Clinic, Daily, 10:00 to 12:00 Methods and Techniques, Daily, 1:00 to 3:00	Leslie & Sinclair	Hosford School

### Seven Weeks

Mth 595X, 596X. Summer Institute for High School Teachers of Mathematics (July 13-August 28) Daily, 8:00 to 4:00	Rempfer and staff	271 SH
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### Nine Weeks

Bi 204, 205, 206. General Zoology (June 22-August 21) Daily, Start 8:00	Macnab	309 OM
Ch 104, 105, 106. General Chemistry (June 22-August 21) Lecture: Daily, 8:00 to 9:30 and 12:30 to 1:30 Laboratory: Daily, 9:30 to 12:00	Macnab, Roberti, Johnson, C., Russell	303 OM 304 OM
Ch 334, 335, 336. Organic Chemistry (June 22-August 21) Lecture: Daily, 8:00 to 9:30 and 12:30 to 1:30 Laboratory: Daily, 9:30 to 12:00	Ferguson	313 OM 362 OM
Mth 311, 312, 313. Advanced Mathematics (June 22-August 21) MTuThF, 8:00 to 10:00 and 11:00	Fredrickson	345 SH
Ph 201, 202, 203. General Physics (June 22-August 21) Lecture: Daily, 8:00 to 11:00 Laboratory A: Daily, 11:00 to 2:00 Laboratory B: Daily, 2:00 to 5:00	Norris	53 SH 3 OM 3 OM

### Final Examination Schedule

DAY-TIME CLASSES will hold final examinations on Thursday and Friday, August 13 and 14 on the following schedule:

Classes which met at:	Will hold examinations:
8:00 a.m.	Friday, August 14 8:00 to 10:00 a.m.
9:00 a.m.	Friday, August 14 10:00 to 12:00 a.m.
10:00 a.m.	Thursday, August 13 8:00 to 10:00 a.m.
11:00 a.m.	Thursday, August 13 10:00 to 12:00 a.m.
12:00 m.	Friday, August 14 12:00 to 2:00 p.m.
1:00 p.m.	Friday, August 14 2:00 to 4:00 p.m.
2:00 p.m.	Thursday, August 13 12:00 to 2:00 p.m.
3:00 p.m.	Thursday, August 13 2:00 to 4:00 p.m.

EVENING CLASSES will hold final examinations during the final class meeting period shown in this class schedule.

Number	Course Title	Instructor	Room
Ed 572.	Public-School Administration.	Spalding	113 OM
Ed 574.	School Supervision.	Macomber	102 OM
Eng 254.	Survey of American Literature.	Lansing	347 SH
Eng 306.	The Literature of the English Bible.	Roberts, J.	106 OM
Eng 459.	Forms and Meaning of Drama.	Bellamy	145 SH
Eng 491.	Introduction to Modern English.	Anderson, F.	121 OM
Eng 507.	Seminar in Nineteenth Century Literature.	Peterson	110 OM
GE 101, 102, 103.	Engineering Concepts.	Kellas	449 SH
Geog 106.	Introductory Geography.	Ashbaugh	371 SH
CS 101, 102, 103.	Biological Science Survey.	Winchell	310 OM
GS 104, 105, 106.	Physical Science Survey.	Lange	1 SH
HE 252.	First Aid.	Washke	206 OM
Hst 381.	Near East in Modern Times.	Cox	112 OM
Hat 460.	History of American Thought and Culture.	Hoffmann	149 SH
Mth 111.	Mathematics for Elementary Teachers.	Stanton	301 SH
Mus 323.	Choral Conducting.	Albertson	208 OM
Mus 397.	Chorus.	Albertson	453 SH
MuE 407.	Seminar: Music Appreciation—A New Approach.	Cyklar	349 SH
PE 180.	Physical Education (Women).	Greenslade	Gym
PE 190.	Physical Education (Men).	Greenslade	Gym
PE 411.	Physical Education Workshop.	Greenslade	Gym
PE 446.	Tests and Measurements in Physical Education.	Holland	147 SH
Ph 411, 412, 413.	Modern Physics.	Gurevitch	247 SH
Psy 411.	Mental Hygiene.	Bernard	215 OM
Psy 472.	Individual Differences.	Wilcox	221 SH
Psy 524, 525.	Individual Intelligence Testing.	Boyd, R. D.	105 OM
RL 60, 61.	First-Year Spanish.	Anderson, G.	245 SH
RL 101.	Second-Year French.	Healy	230 SH
SL 50 51.	First-Year Russian.	Krivoshain	214 OM
Soc 205.	General Sociology.	Johannis	101 OM
Soc 442.	Community Welfare Organization.	Drum	111 OM
SS 111.	Stenography.	Briggs	325 SH
SSc 401.	Special Studies in Social Science: Political Geography.	Meyer	383 SH

### 10:00 a.m.

AA 313.	Creative Arts and Crafts for the Classroom Teacher.	Colescott	319 OM
BA 111, 112, 113.	Constructive Accounting.	Boyd	249 SH
Ch 411, 412, 413.	Inorganic Chemistry. (Laboratory).	Mickelsen	306 OM
Ed 359.	Methods and Materials: Science and Mathematics (Section II).	McCollum	207 OM
Ed 390.	Enriching Children's Reading.	Petersen	206 OM
Ed 410.	Methods and Research Materials: Reading.	Choate	213 OM
Ed 435.	Audio-Visual Aids. (Section II).	Malter	215 OM
SEd 481.	Alcohol Studies in School Curriculum.	Ferrier	121 OM
Ed 484.	Junior High School.	Pierson	228 SH
Ed 507.	Seminar: School Organization and Administration for Classroom Teachers.	Watson	258 SH
Ed 508.	Workshop in Children's Literature.	Petersen	206 OM
Ed 511.	Recent Educational Trends and Problems.	Gaynor	102 OM
Ed 522.	Secondary School Curriculum.	Miner	104 OM
Ed 537.	Reading in the Elementary School.	Choate	213 OM
Ed 453.	History of American Education.	Guy	120 OM
Eng 108.	World Literature.	Weiss	112 OM
Eng 202.	Shakespeare.	Hart	111 OM
Eng 211.	Vocabulary Building.	Anderson, F.	110 OM
Eng 407.	Seminar in Special Authors.	Oliver, E.	345 SH
Eng 474.	The Teaching of High School Literature.	Roberts, J.	106 OM
GE, 101, 102, 103.	Engineering Concepts.	Kellas	449 SH
Geog 105.	Introductory Geography. (Section II).	Cole	371 SH
Geog 323.	Geography of the Pacific Northwest.	Courtney	383 SH
GS 101, 102, 103.	Biological Science Survey. (Lecture).	Winchell	303 OM
GS 104, 105, 106.	Physical Science Survey (Laboratory A).	Lange	1 SH
Hat 209.	English History.	White	171 SH
Hat 447.	History of Russia.	Dmytryshyn	105 OM
Hat 478.	History of the Pacific Northwest. (Section II).	Gilmoro	101 OM
Hum 511.	Contemporary Developments in the Humanities.	Bellamy	145 SH
Mth 103.	Analytic Geometry.	Keeler	301 SH
MuE 407.	Seminar: New Perspectives in Music Education.	Cyklar	349 SH
PE 406.	Special Problems: Coaching Wrestling.	Westcott	Gym
PE 507.	Seminar: Intramural Sports.	Washke	230 SH
Ph 411, 412, 413.	Modern Physics. (C) MTuThF	Gurevitch	247 SH
Phl 203.	Elementary Logic.	Newhall	347 SH
Psy 201.	General Psychology.	Wilcox	101 SH
Psy 311.	Human Development. (Section III).	Schulz	221 SH
Psy 345.	Psychology of Motivation.	Smith, R. E.	147 SH
Psy 462.	Developmental Psychology III: Animal Behavior.	Wesley	149 SH
R 462.	History of Great Religions.	Hovland	208 OM
RL 60, 61.	First-Year Spanish.	Anderson, G.	245 SH
SL 50, 51.	First-Year Russian.	Krivoshain	214 OM
Sp 414.	Teaching Speech in the Secondary School.	Roberts, F.	103 OM
Wr 113.	English Composition. (Section I).	Lansing	113 OM
AA 365.	Introduction to the History of Art.	Prasch	313 OM
AA 414.	Art in the Secondary School.	Pickens	317 OM

### 11:00 a.m.

Number	Course Title	Instructor	Room
Anth 414.	Race and Culture. (G) MTuWF	Staff	112 OM
BA 111, 112, 113.	Constructive Accounting.	Boyd	249 SH
Ch 411, 412, 413.	Inorganic Chemistry. (Laboratory).	Mickelsen	306 OM
Ec 201.	Principles of Economics.	Tuttle	147 SH
Ed 310.	School in American Life. (Section II).	Gaynor	214 OM
Ed 312.	Educational Psychology: Learning. (Section I).	Malter	206 OM
Ed 351.	Health Education.	Greenslade	103 OM
Ed 358.	Methods and Materials: Language Arts and Social Studies. (Section III).	Mosher	207 OM
Ed 410.	Methods and Research Materials: Social Studies. (G) MTuWF	Phelps	213 OM
Ed 466.	The Gifted Child. (C) MTuWF	Wilson	104 OM
Ed 486.	Occupational and Educational Information. (G) MTuWF	Hitchcock	102 OM
Ed 507.	Seminar: Psycho-Educational Problems.	Boyd, R. D.	120 OM
Ed 535.	Social Studies in the Elementary School.	Phelps	213 OM
Ed 553.	Elementary-School Curriculum.	Hughes	121 OM
Ed 561.	Advanced Educational Psychology.	Bernard	215 OM
Ed 566.	Curriculum Construction.	Spalding	113 OM
Eng 106.	Appreciation of Literature.	Peterson	110 OM
Eng 468.	Main Currents in American Literature and Culture.	Oliver, E.	145 SH
GE 101, 102, 103.	Engineering Concepts.	Kellas	449 SH
Geog 107.	Introductory Geography.	Ashbaugh	383 SH
Geog 411.	Man and His Cultural Environment (Human Geography).	Meyer	371 SH
GS 101, 102, 103.	Biological Science Survey. (Lecture).	Winchell	303 OM
HE 450.	Elementary-School Health Education. (g) MTuWF	Greenslade	103 OM
Hst 103.	History of Western Civilization.	Cox	105 OM
Hst 393.	The Far East in Modern Times.	Webb	106 OM
Hst 445.	Europe Since 1939. (G) MTuWF	Dmytryshyn	301 SH
Hst 479.	Forces and Influences in American History. (C) MTuWF	Hubbard	171 SH
Mth 203.	Differential and Integral Calculus.	Stanton	101 SH
Mus 383.	Music Fundamentals (Teacher Education).	Albertson	208 OM
PE 343.	Organization and Administration of Physical Education.	Westcott	228 SH
PE 413.	Physical Education Workshop. (g) MTuWF	Holland	Gym
Ph 411, 412, 413.	Modern Physics. (C) MTuThF	Gurevitch	247 SH
Phl 332.	Contemporary Philosophy.	Polonoff	347 SH
Psy 520.	Psychology of Learning.	Lyman	149 SH
RL 50, 51.	First-Year French.	Healy	245 SH
Soc 407.	Seminar: Sociology of Leisure. (C) MTuWF	Johannis	221 SH
Soc 416.	Criminology and Delinquency. (G) MTuWF	Drum	101 OM
Sp 111.	Fundamentals of Speech. (Section III).	Nobles	349 SH
Sp 371.	Speech Science.	English	Shattuck School
Sp 507.	Seminar: Development of the American Theatre 1859-1959.	Gaupp	109 OM
SS 121.	Typing.	Briggs	325 SH
Wr 111.	English Composition. (Section I).	Yorks	111 OM

### 12:00 Noon

AA 291.	Drawing.	Prasch	317 OM
AA 312.	Creative Arts and Crafts for the Classroom Teacher. (Section II).	Colescott	319 OM
AA 397.	Advanced Figure Composition and Design.	Heidel	373 OM
BA 221.	Elements of Organization and Production.	Richins	171 SH
BEd 536.	Problems and Research Techniques in Business Education.	Briggs	325 SH
Ed 310.	School in American Life. (Section I).	Guy	214 OM
Ed 356.	Methods and Materials: Reading in the Elementary School. (Section III).	Stoner	207 OM
Ed 410.	Methods and Research Materials: Language Arts. (C) MTuWTh	Choate	206 OM
Ed 410.	Methods and Research Materials: Arithmetic. (G) MTuWTh	Leavitt	213 OM
Ed 455.	Primary-Education Workshop: Teaching in the Self-Contained Classroom. (C) MTuWTh	Mosher	349 SH
Ed 457.	Intermediate and Upper-Grade Education Workshop: Teaching in the Self-Contained Classroom. (C) MTuWTh	Mosher	349 SH
Ed 462.	Psychology of Exceptional Children. (G) MTuWTh	Creedon	103 OM
Ed 523.	School Activities.	Miner	104 OM
Ed 536.	Language Arts in the Elementary School.	Choate	206 OM
Ed 538.	Mathematics in the Elementary School.	Leavitt	213 OM
Ed 546.	Philosophy of Education.	Roberts, J.	105 OM
Ed 577.	Counselor Training: Group Procedures.	Hitchcock	102 OM
Eng 253.	Survey of American Literature.	Hart	111 OM
Eng 372.	The Novel.	Peterson	208 OM
Eng 388.	Children's Literature and Library.	Petersen	110 OM
Eng 431.	Literature of the Renaissance. (G) MTuWTh	Waller	106 OM
FN 205.	Nutrition.	Wells	203 SH
GS 104, 105, 106.	Physical Science Survey. (Lecture).	Lange	53 SH
Hst 101.	History of Western Civilization.	Breon	101 OM
Hum 512.	Contemporary Developments in the Humanities.	Bellamy	145 SH
Mth 101.	College Algebra.	Keeler	301 SH
Mth 102.	Plane Trigonometry.	Flanagan	101 SH
Mus 441.	Advanced Conducting. (C) MTuWTh	Stehn	453 SH
Phl 204.	Elementary Aesthetics.	Polonoff	347 SH
Psy 202.	General Psychology.	Wilcox	271 SH
Psy 450.	Abnormal Psychology. (g) MTuWTh	Smith, R. E.	147 SH
Psy 460.	Developmental Psychology I: Infancy and Childhood. (g) MTuWTh	Lyman	221 SH

Number	Course Title	Instructor	Room
Psy 507.	Seminar: Psychological Trends in Foreign Countries.	Wesley	149 SH
RL 50, 51.	First-Year French.	Hoaly	245 SH
SEd 598.	Science Curriculum in Secondary Schools.	Ferrier	121 OM
Sp 483.	Speech Pathology.	Lillywhite and staff	Shattuck School

Sp 484, 485, 486. Clinical Speech Therapy. (C) MTuWTh

Wr 112.	English Composition. (Section I).	Lillywhite and staff	Shattuck School
Wr 411.	English Composition for Teachers.	Weiss	112 OM
		Anderson, F.	120 OM

### 12:30 p.m.

Ch 411, 412, 413. Inorganic Chemistry. (Lecture). MTuTh F

### 1:00 p.m.

AA 291.	Drawing.	Prasch	317 OM
AA 397.	Advanced Figure Composition and Design.	Heidel	373 OM
Anth 101.	General Anthropology.	Staff	105 OM
Ec 311.	Public Finance.	Tuttle	147 SH
Ed 358.	Methods and Materials: Language Arts and Social Studies. (Section I).	Choate	207 OM
Ed 359.	Methods and Materials: Science and Mathematics. (Section I).	Leavitt	213 OM
Ed 389.	Reading and Telling Children's Stories.	Petersen	206 OM
Ed 440.	History of Education. (C) TuWThF	Breon	102 OM
Ed 463.	The Maladjusted Child. (C) TuWTh F	Creedon	103 OM
Ed 480.	Psychology of Reading Instruction. (C) TuWThF	Benne	104 OM
Ed 507.	Seminar: Reading and Telling Children's Stories.	Petersen	206 OM
Ed 507.	Seminar: Practicum in Guidance and Counseling.	Fullmer	171 SH
Eng 101.	Survey of English Literature.	Waller	106 OM
Eng 107.	World Literature.	Oliver, E.	111 OM
Eng 385.	Contemporary Literature.	Hart	112 OM
GL 50, 51.	First-Year German.	Logan	214 OM
GS 101, 102, 103.	Biological Science Survey. (Laboratory B).	Winchell	310 OM
GS 104, 105, 106.	Physical Science Survey. (Lecture).	Lango	53 SH
Hst 202.	History of the United States.	Hubbard	113 OM
Hst 341.	Europe Since 1789.	Webb	110 OM
Mth 100.	Intermediate Algebra. (Section I).	Keeler	101 SH
Mth 111.	Mathematics for Elementary Teachers. (Section I).	Flanagan	149 SH
Mus 381.	Music Fundamentals.	Wilson	208 OM
PE 412.	Physical Education Workshop. (g) TuWThF	Greenslade	Gym
Psy 311.	Human Development (Section II).	Wesley	221 SH
Sp 370.	Phonetics.	Nobles	Shattuck School
Sp 413.	Teaching Speech in the Elementary School.	English	145 SH
AA 381.	Water Color.	Heidel	373 OM
AA 401.	Special Studies: Jewelry.	Walker	Arts and Crafts Society

### 2:00 p.m.

BA 121.	Introduction to Business and Industry.	Matthies	113 OM
Ed 356.	Methods and Materials: Reading in the Elementary School. (Section II).	Stoner	207 OM
Ed 380.	Elementary-School Library.	LaRiviere	120 OM
Ed 415.	Student Teaching: Elementary.	Bruner	Shattuck School
Ed 416.	Student Teaching: Secondary.	Anderson, E.	
		Jenkins	106 OM
		Benne	104 OM
Ed 493.	Observation and Evaluation of Teaching.	Benne	104 OM
Ed 513.	Evaluation of Classroom Instruction.	Logan	214 OM
GL 50, 51.	First-Year German.	Logan	214 OM
GS 101, 102, 103.	Biological Science Survey. (Laboratory B).	Winchell	310 OM
GS 104, 105, 106.	Physical Science Survey. (Laboratory B).	Lange	1 SH
Mus 382.	Music Fundamentals.	Albertson	208 OM
Sp 481.	Speech Pathology.	Lillywhite & Staff	Shattuck School

### 3:00 p.m.

AA 381.	Water Color.	Heidel	373 OM
Ed 415.	Student Teaching: Elementary.	Bruner	Shattuck School
Ed 416.	Student Teaching: Secondary.	Anderson, E.	
		Jenkins	106 OM
		Lange	1 SH

GS 104, 105, 106. Physical Science Survey. (Laboratory B). TuWThF

### 6:00 to 8:00 p.m.

BA 111.	Constructive Accounting. (Section II).	Matthies	303 SH
Ec 202.	Principles of Economics.	Halley	247 SH
Geog 106.	Introductory Geography. (Section II).	Courtney	301 SH
Geog 305.	Economic Geography.	Cole	345 SH
Hst 102.	History of Western Civilization.	Webb	101 SH
Hst 203.	History of the United States.	Gilmoro	203 SH
Hst 477.	History of the West. (C) MW	Hoffmann	249 SH
Hst 478.	History of the Pacific Northwest. (C) (Section III).	White	201 SH
Hum 407.	Seminar: Social Philosophy.	Newhall	245 SH
MPM 412.	Personnel Management. (G) MW	Davis	147 SH



# For Additional Information

on Regular-Term or Post-Session Workshops,  
use this Coupon.

## MAIL TO:

**ROBERT J. GRIDLEY, Coordinator of Workshops**  
**Portland Summer Session**  
**1633 S.W. Park Ave.**  
**Portland 1, Ore.**

Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ Zone \_\_\_\_\_ State \_\_\_\_\_

Please send information, when available, on the  
following **REGULAR-TERM** Workshops:

- |   |   |
|---|---|
| <input type="checkbox"/> Economic Education       | <input type="checkbox"/> Problems of Teaching<br>the Mentally Retarded<br>for Advanced Students |
| <input type="checkbox"/> Advanced Conservation    | <input type="checkbox"/> Organic Language<br>Disorders  |
| <input type="checkbox"/> Conservation             | <input type="checkbox"/> Problems of Hearing-<br>Impaired Children                              |
| <input type="checkbox"/> Bill of Rights Education | <input type="checkbox"/> Bishop Sewing  |
| <input type="checkbox"/> Air and Space Education  |   |
| <input type="checkbox"/> Camping Education        |   |
| <input type="checkbox"/> Writers Conference       |   |
| <input type="checkbox"/> Educational Television   |   |

Please send information, when available, on the  
following **POST-SESSION** Workshops:

- |   |  |
|---|--|
| <input type="checkbox"/> Adolescent Problems                            | <input type="checkbox"/> Driver Education (Basic)          |
| <input type="checkbox"/> Arithmetic                                     | <input type="checkbox"/> Driver Education (Adv.)           |
| <input type="checkbox"/> Arts and Crafts for<br>Teachers                | <input type="checkbox"/> Music in the<br>Elementary Grades |
| <input type="checkbox"/> Band Techniques                                | <input type="checkbox"/> Parent-Teacher<br>Leadership      |
| <input type="checkbox"/> Business Education in<br>the Secondary Schools | <input type="checkbox"/> Elementary School<br>Science      |
| <input type="checkbox"/> Citizenship Education                          | <input type="checkbox"/> Teaching of Geography             |