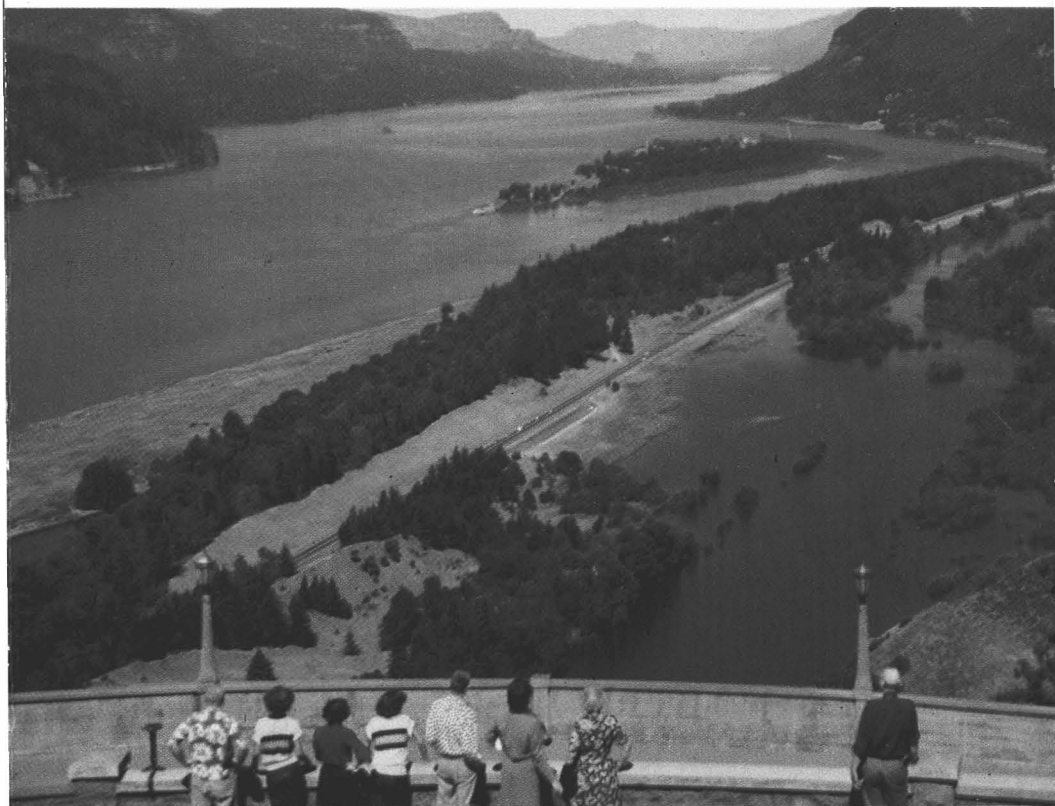


GENERAL
EXTENSION
DIVISION
BULLETIN

SUMMER SESSION

JUNE 18 - AUGUST 9 1957

REGISTRATION—JUNE 17



PORTLAND SUMMER SESSION
PORTLAND

OREGON STATE SYSTEM OF HIGHER EDUCATION

General Extension Division

BULLETIN

EUGENE SERIES NO. 42

APRIL 1957

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Mighty COLUMBIA RIVER GORGE from Vista House lookout near Portland.—Color plate courtesy Oregon State Highway, Travel Information Division.

GENERAL
EXTENSION
DIVISION

BULLETIN

SUMMER SESSION JUNE 18 - AUGUST 9 1957

REGISTRATION—JUNE 17

PORTLAND SUMMER SESSION
PORTLAND



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 Eugene and Corvallis.

Each of the institutions provides the general studies fundamental to a well-rounded education. At the three colleges of education and Portland State College, students may complete major work in teacher education or general studies or enroll in a preprofessional program.

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.

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

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

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



1957

Portland Summer Session

Academic Calendar

June 17, *Monday*, Registration. (Students may preregister June 10-14, Monday through Friday, 8:00-5:00.)

June 18, *Tuesday*, Classes begin.

June 19, *Wednesday*, Last day to enter class without instructor's signature.

June 20, *Thursday*, Late fee begins. Last day to change program without change of program fee.

June 24, *Monday*, Last day to register or to make program changes.

June 24, *Monday*, Last day to withdraw without responsibility for grades.

July 4, *Thursday*, Holiday.

August 8-9, *Thursday and Friday*, Final Examinations.

August 9, *Friday*, Portland Summer Session ends.

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

The Summer Program

The fortieth annual Portland Summer Session will provide daytime 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.

LOCATION. The Summer Session occupies a downtown location at 1620 SW Park Avenue, Portland 1, Oregon. The telephone number is CApitol 2-3201. Administrative offices and most of the classes are at this address. The offices of the Registrar and Business Manager, at 1734 SW 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. Veterans who register under any benefit plan may be required to file a transcript of all previous 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 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 not more than four courses which list a total of not more than thirteen hours of credit. (No exception to the twelve-hour rule is permitted in courses 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.

* The Portland State College residence requirement of 45 term hours of the last 60 presented for a degree can be satisfied by completion of 33 term hours in extension centers and in one summer session of 12 or more term hours which are selected from those courses taught during the Portland Summer Session by members of the faculty of Portland State College. Portland State College students should consult their Portland State College advisers.

† 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 $1\frac{1}{2}$.

Graduate Work

Certain master's degrees granted by various institutions within the Oregon State System of Higher Education and the work toward these 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 twelve 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 and an oral 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). A minimum of twelve hours of graduate work must be completed in residence at the degree-granting institution, while the remainder may be completed in Portland. Requirements for the degree include a core of eighteen 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 who possess a research interest and a broad academic background, usually in three disciplines, which make them eligible for graduate work wherein the offerings of several major departments are correlated. A thesis is required, and before a candidate's course work can be arranged he must present a thesis topic which he will be required to justify as a research project embracing several major departments and which is not justifiable as a thesis in any single department.

Under favorable circumstances all work toward this degree from Ore-

gon State College may be completed in Portland, but University of Oregon requires that candidates earn at least twelve 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 fifteen hours of graduate work may be completed in Portland.

ADVISERS. Authorized advisers for any of the master's 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.

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.

Painting Workshop

Klamath Falls, Oregon

August 12-23

This workshop is sponsored jointly by the General Extension Division of the Oregon State System of Higher Education and the Klamath Art Association. University of Oregon credit will be granted. Opportunity will be afforded to study in oil, water color and other media. Instructor: Charles B. Ryan, Assistant Professor of Art, University of Oregon. Students may register for 2 or 3 hours of credit in either AA 290 Painting, AA 390 Painting, or AA 490 Advanced Painting. A class in AA 291 Drawing may be scheduled if there is sufficient interest. For further information, contact the General Extension Division, 1250 Emerald Street, Eugene, Oregon.

* 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 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, and the mentally handicapped.

CLINIC. A demonstration clinic for children with reading disabilities, speech handicaps, mental retardation, and emotional disturbances will be housed in Shattuck School, 1914 SW Park Avenue. Limited opportunities for observation for summer session students other than those in special education are available. Arrangements may be made after June 17 with the Director of the Clinic at Shattuck School. Call CA 2-3201.

DEMONSTRATION SCHOOL. A six-room elementary demonstration school will be operated at Shattuck School, 1914 SW Park Avenue. Students, other than those enrolled in supervised teaching, who wish to visit must make arrangements after June 17 with the principal of the school. Call CA 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. 43.)

Alcohol Education Conferences

THE PROBLEM DRINKER (THREE CONFERENCES). The summer session will cooperate with the Oregon Alcohol Education Committee in sponsoring a two-day conference on **THE PROBLEM DRINKER AND THE LAW** and two two-day conferences on **COUNSELING AND TREATMENT OF PROBLEM DRINKERS**. Staff will include outstanding experts of national reputation.

THE PROBLEM DRINKER AND THE LAW (ONE CONFERENCE). Portland, Friday and Saturday, June 14 and 15. Planned specifically for judges, police officers, prosecutors, parole officers, social workers and persons of related professions.

COUNSELING AND TREATMENT OF PROBLEM DRINKERS (TWO CONFERENCES). Portland, Monday and Tuesday, June 17 and 18, and Pendleton, Thursday and Friday, June 20 and 21. Planned for clergy who are concerned with pastoral counseling. Co-sponsored by the Oregon Council of Churches.

No charge will be made for these conferences. Direct all inquiries to Robert J. Gridley, Coordinator of Workshops, 1620 SW Park Avenue, Portland 1, Oregon.

Art Cooperative Program

Six week courses in lower-division ceramics and painting will be offered in cooperation with the Museum Art School, SW Park and Madison streets. (See *Art* listing on p. 16 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.

Grading System

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

Registration Procedure

Students will register for the summer session on Monday, June 17, from 8:00 a.m. to 5:00 p.m. Classes will begin as scheduled on Tuesday morning, June 18.

Students will receive registration materials and instructions and may complete their registration in the main floor front hallway of Old Main classroom building on Monday, June 17. At other times registration is in the Registrar's office, 1734 SW Park Avenue, south of the instructional buildings.

Students who reside in Portland or vicinity are urged to avail themselves of the early registration period between Monday, June 10, and Friday, June 14.

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. 15) *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 Veteran's Administration Regional Office, 208 SW 5th 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 enrollment for PL 550 veterans is 11 or more term hours in the summer session.

Veteran students enrolled in Portland State College or in any other institution during spring term 1957 must complete a transfer to Portland Summer Session in order to receive subsistence benefits from the Veteran's Administration. To insure early payment this transfer should be arranged with the Veteran's Coordinator before the end of the spring term.

Questions of veteran's eligibility and entitlement should be directed to the Veteran's Administration at the address given below. Questions concerning Portland Summer Session procedures for veterans should be addressed to Veteran's Coordinator, Business Office (CA 2-3201, Ext. 306).

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.)

Summer session registration fees are as follows:

FULL-TIME STUDENTS (7 credit hours or more) \$ 65.00

PART-TIME STUDENTS AND AUDITORS

(for 6 credit hours or less)—per credit hour (minimum \$16)	8.00
1 credit hour	\$16.00
2 credit hours	16.00
3 credit hours	24.00
4 credit hours	32.00
5 credit hours	40.00
6 credit hours	48.00

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

STAFF FEE—Available to academic staff with .50 FTE or more, and to full-time non-academic staff, (maximum of 4 credit hours) 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) 1.00

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

NOTE: \$65 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, \$8 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 17 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 Fines and Charges

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.

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.

General Information

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 to 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 SW 10th Avenue. It is open from 9:00 a.m. to 9:00 p.m. week days and from 9:00 a.m. to 6:00 p.m. on Saturdays. The Library will be closed on Sundays.

TEXTBOOKS AND SUPPLIES. All required texts and supplies may be purchased from the Cooperative Bookstore located in the basement of Old Main building.

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 SW Park Avenue, Portland 1, Oregon.

CAFETERIA. Breakfast and luncheon will be served in the cafeteria which is located in the basement of Old Main building. The cafeteria opens for service at 7:30 a.m. Monday through Friday.

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

ASSEMBLIES. Each Wednesday from 10:00 to 10:50 a.m. an assembly is scheduled in the auditorium. Programs will consist of music, plays, readings, and addresses. (Classes scheduled for this day and hour will meet.)

RECREATION. Summer session students can 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.

1957

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.

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.

The letter *S* following a room number indicates State Hall, the new classroom building.

Anthropology

Faculty: SPIER.

(P) Anth 207. **Introduction to Cultural Anthropology.** (First Term) 3 hours.

The meaning of culture; its significance for human beings; its diverse forms and degrees of elaboration among different groups of men; its process of growth and expansion. MTuWF, 11:00, Room 101.

(U) Anth 314. **Peoples of the World.** (First Term) 3 hours.

Historical treatment of world culture areas, exclusive of Europe. Regional variations in culture, their backgrounds and their significance in contemporary world affairs. Prerequisite: upper division standing. MTuWTh, 12:00, Room 120.

(U) Anth 507. **Seminar: Culture, Society and the Individual.** 3 hours.

A consideration of the processes involved in socialization and personality formation within a given socio-cultural setting. Techniques of investigation. Critical analysis of concepts and results. Examples drawn from selected modern and primitive societies. MWThF, 9:00, Room 203.

Art

Faculty: DONOHO, GARRISON, GRIMM, LOEW.

(P) AA 255. Lower-Division Ceramics. 3 hours.

(June 17-July 26). 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 nonmajors. Course fee \$20.00 in addition to registration fee. Grimm. MTuWTh, 1:00 to 4:00, Art Museum.

(P) AA 257. Lower-Division Jewelry and Metalsmithing. 3 hours.

Introduction to the handworking of nonferrous metals—copper, brass, pewter, silver, gold. Development of design for metal objects. Enameling on metal; centrifuge casting; lapidary work. Grimm. MTuThF, 10:00, Room 317.

(P) AA 290. Lower-Division Painting. 3 hours.

(June 17-July 26). Instruction in the use of oil color, water color, and other media. Elements of color and composition stressed through studies from the model, still life and landscape. Appreciative lectures on painting and painters concurrent with studio practice. Course fee \$7.50 in addition to registration fee. Loew, MTuWTh, 9:00 to 12:00, Art Museum.

(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 AA 312.

AA 311. Garrison. MWThF, 9:00, Room 319.

AA 312. Garrison. MTuThF, 10:00, Room 319.

AA 313. Donoho. MTuWF, 11:00, Room 319.

See the following listed under EDUCATION:

(C) Ed 407. Workshop: Creative Crafts for Children. 3 hours. Garrison.

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

(U) ArE 414. Art Education in the High School. (G) 3 hours. Donoho.

Business Administration

Faculty: BALLAINE, LOMAX, MATTHIES, WIESNER.

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

Technique of account construction; preparation of financial statements. Application of accounting principles to practical business problems. Required of majors; prerequisite to advanced work in business. Wiesner. MTuWTh, 9:00 to 12:00, Room 219S.

BA 111. June 17-July 3.

BA 112. July 5-July 23.

BA 113. July 24-August 9.

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

Principles of management as applied to commercial and industrial concerns. Matthies. Daily, 10:00, Room 123S.

(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. Ballaine. Daily, 8:00, Room 104.

(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. Lomax. Daily, 9:00, Room 115S.

(P) BA 238. **Salesmanship.** 3 hours.

Salesmanship as a factor in distribution and service; analysis of the customer and his wants; methods of obtaining and holding customers; wholesale and retail sales processes, services, and principles of selling. Matthies. MTuWTh, 12:00, Room 123S.

(U) BA 407. **Seminar: Human Relations in the Smaller Business.** (G) 3 hours.

Lovell. (See WORKSHOPS, page 43).

(U) BA 407. **Seminar: Shipping Problems.** (G) 3 hours.

Discussion of subject matter which involves specific problems facing the maritime industry, namely ship operation, cargo movement, terminal operation, port administration. National shipping policy involving the payment of subsidies, steamship conferences, and United States foreign trade will be included. Lomax. MTuThF, 10:00, Room 115S.

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

Problems relating to the purchase, transfer, lease, and financing of land and buildings; home building, site selection, principles of house-and-lot evaluation. Open to nonmajors. Matthies. TuWThF, 1:00, Room 363S.

(U) BA 428. **Manufacturing.** (G) 4 hours.

Manufacturing industries of the United States; their raw materials, processes, and current technological and marketing developments. Prerequisite: BA 222, 223. Lomax. Daily, 12:00, Room 115S.

(U) BA 432. **Business Statistics.** 3 hours.

Emphasis on appreciation and understanding of statistical methods. Charts and tables; sampling; averages, time-series analysis; index numbers; a brief introduction to the concept of linear correlation. Ballaine. MWThF, 9:00, Room 104.

See the following listed under SECRETARIAL SCIENCE:

(S) SS 111. **Stenography.** 3 hours. Backlund.

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

Driver Education

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

(August 19-23). 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. Staff. Daily, 8:00 to 12:00 and 10:00 to 5:00, Room 111S.

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

(August 26-30). 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. Staff. Daily, 8:00 to 12:00 and 1:00 to 5:00, Room 111S.

Economics

Faculty: HALLEY.

(P) Ec 201. Principles of Economics. (First Term). 3 hours.

Principles that underlie production, exchange, distribution, etc. Prerequisite: sophomore standing. TuWThF, 1:00, Room 103.

(P) Ec 203. Principles of Economics. (Third Term). 3 hours.

MTuThF, 10:00, Room 357S.

(P) Ec 411. Comparative Economic Systems. 3 hours.

Analysis and appraisal of contemporary economic systems: capitalist, socialist, fascist, communist. Prerequisite: Principles of Economics. MTuWTh, 12:00, Room 357S.

Education

Faculty: ANDERSON, BALLAINE, BECK, BENNEE, BENTALL, BERNARD, BIERMAN, BINGHAM, BOYD, CHESTER, CHOATE, CHRISTENSEN, CODY, CURRY, DEAN, DONOHO, FERRIER, GARRISON, K., GARRISON, L., GREENSLADE, GRIDLEY, GUBSER, GUY, HANSON, HARTLEY, HOLLAND, HOPSON, HUMMEL, IVERSON, JELINEK, LEAVITT, LEE, LOVELL, MALTER, MARTORANA, MATLOCK, MEINDL, MILLER, MOORE, MOORHEAD, MORRISON, OLDS, OLIVER, O'ROURKE, PEACE, PETERSEN, PHELPS, PIERSON, SCHMIDT, SCHULZ, SMITH, SOMERVILLE, THOMPSON, WESTCOTT, WOLF.

(E) Ed 011. Junior Colege Workshop. non-credit.

Moore, Martorana. (See WORKSHOPS, page 43).

(P) Ed 311. The 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 curricular practices and a comparison of opposing philosophies of education. In this course attention will be devoted to Oregon School Law and System of Education. Guy. MWThF, 9:00, Room 106.

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

Consideration of the child as an individual and as a member of social groups. Included is a study of the kinds of home and school environment essential to the best intellectual, physical, and emotional development of the child. Prerequisite: Psy 201.

Section I: Beck. MWThF, 9:00, Room 251S.

Section II: Lee. MTuWF, 11:00, Room 106.

(P) Ed 312. Psychology of Learning and Teaching. 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. TuWThF, 8:00, Room 105.

Section II: Bernard. TuWThF, 1:00, Room 123S.

(S) 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. Wolf. TuWThF, 8:00, Room 101.

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

Planned to acquaint the teacher with the various physical handicaps of children; how to recognize them, their treatment; the child's reaction to his handicap; the teacher's approach to the child. Miller. MTuWTh, 1:00, Room 105.

(P) Ed 344. Physical Education in the Elementary 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. Greenslade. MWThF, 9:00, Gym.

(P) Ed 351. Health Education in the Elementary Grades. 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: Sc 101, 102, 103. Holland. TuWThF, 1:00, Room 101.

(P) Ed 357. Methods in Reading. 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 311, 312, and Psy 311.

Section I: Bingham. MTuThF, 10:00, Room 103.

Section II: O'Rourke. TuWThF, 1:00, Room 119S.

(P) Ed 358. Methods in 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 311, 312, and Psy 311.

Section I: Malter. MTuThF, 10:00, Room 105.

Section II: Leavitt. TuWThF, 1:00, Room 102.

(P) Ed 359. Methods in 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 311, 312, and Psy 311.

Section I: Choate. MTuThF, 10:00, Room 216.

Section II. Bingham. TuWThF, 1:00, Room 103.

(P) Ed 380. Elementary-School Library. 3 hours.

(July 15-August 9). 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. Chester. MTuWTh, 12:00 to 2:00, Room 213.

(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. TuWThF, 8:00, Room 216.

(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. Petersen. MTuWF, 11:00, Room 213.

(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. MWThF, 9:00, Room 214.

(P) Ed 401. **Special Studies in Education.** Hours to be arranged.

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

Hopson, Gridley and staff. (See WORKSHOPS, page 43).

(C) Ed 407. **Parent-Teacher Organization.** 2 hours.

Moorhead. (See WORKSHOPS, page 43).

(C) Ed 407. **Workshop: Creative Crafts for Children.** 3 hours.

Creative problems developed in the course involve inexpensive materials. Discussion of types of problems suitable for children of varying degrees of mental, physical, and social maturity. Opportunities for experimenting with such media as paper, yarn, cardboard, clay, wood, and textiles. Garrison, MTuWTh, 12:00, Room 373.

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

Gustafson. (See WORKSHOPS, page 43).

(U) MuE 407. **Seminar: Music for Intermediate and Junior High School.** (G) 2 hours.

Freeburg. (See WORKSHOPS, page 43).

(U) MuE 407. **Seminar: Band Techniques.** (G) 2 hours.

Revelli, Stehn. (See WORKSHOPS, page 43).

(S) CT 408. **Workshop: Bishop Method of Clothing Construction.** 3 hours.

Ingalls, Rotruck, Warrell. (See WORKSHOPS, page 43).

(U) Ed 409. **Psycho-Educational Clinic.** (G) 3 to 6 hours.

Practice, under supervision, in diagnostic and remedial treatment of learning disabilities of elementary and high school pupils. Clinic work will be limited to the diagnosis and correction of reading and speech disabilities. Prerequisite: Ed 465 or consent of instructor. Phelps, Bentall. TuWThF, 9:00 or 10:00, Shattuck.

(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.

Art.....Donoho. MWThF, 9:00, Room 317
 Language Arts.....Choate. MWThF, 9:00, Room 216
 Arithmetic.....Leavitt. MTuWTh, 12:00, Room 102
 Science (June 17-July 12).....Hopson. MTuWTh, 11:00 to 1:00, Room 314
 Social Studies.....Lee. TuWThF, 8:00, Room 15S
 Reading.....Choate. MTuWTh, 12:00, Room 216

(U) ArE 414. Art Education in the High School. (G) (First Term) 3 hours.

Study of art education in the junior and senior high school, through laboratory work and individual research. Practice teaching problems examined and studied as a group experience. Evaluation of current thinking in the field and of its application to the classroom situation. Prerequisite: ArE 314, 315, 316 or consent of instructor. Donoho. TuWThF, 8:00, Room 373.

(C) Ed 415. Student Teaching (Elementary). 3 hours.

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, for developing skill in the techniques of teaching and schoolroom management and related professional activities. 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. Hartley. Daily, as arranged, and Thursday, 2:00 to 4:00, Shattuck.

(U) Ed 416. Student Teaching (Secondary). 6 or 9 hours.

Course begins June 11. 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 Supervisor of Secondary Student Teachers, Portland Summer Session. Anderson. Daily, 8:00 to 12:00; Tuesday and Thursday, 2:00 to 4:00, Seminar, Room 208.

(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. Schulz. TuWThF, 8:00, Room 115S.

(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. Somerville.

Section I: TuWThF, 8:00, Room 151S.

Section II: MWThF, 9:00, Room 151S.

- (S) Ed 440. **History of Education.** (G) 3 hours.

Growth and development of education; Plato, Aristotle, Renaissance educators, Comenius, Locke, Rousseau, Pestalozzi, Froebel, Herbart, Herbert Spencer, and Dewey. Prerequisite: Ed 310, 312. Guy. TuWThF, 8:00, Room 106.

- (C) Ed 451. **Pre-Primary Education.** (G) 3 hours.

An evaluation of the preprimary period in terms of the opportunities it affords to build up good attitudes toward school life, to help the child adjust himself to the group, to build up good habits of work, and to develop a readiness for subjects in the first-grade curriculum, such as reading, numbers, and language. Bingham. MTuWF, 11:00, Room 103.

- (E) Ed 455. **Primary Education Workshop: Teaching in the Self-Contained Classroom.** (C) 3 hours.

O'Rourke. (See WORKSHOPS, page 43).

- (E) Ed 459. **Intermediate and Upper Grade Workshop: Teaching in the Self-Contained Classroom.** (G) 3 hours.

O'Rourke. (See WORKSHOPS, page 43).

- (U) Ed 460. **Administration of Special Education.** (G) 3 hours.

Organizing, financing, housing, equipping, staffing, and supervising the special-education program. Desirable educational provisions for each type of handicapped child. Gubser and staff. MWThF, 9:00, Room 215S.

- (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. Bennee. MTuWTh, 12:00, Room 101.

Psy 461. Garrison. TuWThF, 1:00, Room 323S.

- (U) Ed 461. **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. Phelps, Bentall. TuWThF, 1:00, Room 216.

- (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. Bennee. MWThF, 9:00, Room 101.

- (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. Smith. MTuWF, 11:00, Room 251S.

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

Identification and guidance of the mental deficient, the slow learner, and the gifted. Identification, classification and diagnosis for an educational program. Guidance of the educable mentally retarded. This course coordinated with other offerings of the Workshop for Teachers of the Mentally Retarded. Schmidt. MWThF, 8:00, Room 223S.

- (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 children. Prerequisite: Psy 201, 202, 311, Ed 312. Bernard. MTuWF, 11:00, Room 123S.

- (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. Bennee. MTuThF, 10:00, Room 101.

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

Nature and scope of the reading program, developmental and remedial; principles, methods, and materials of instruction and administration. Phelps. MTuWF, 11:00, Room 216.

- (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. **Oregon School Law and Organization.** (G) 2 hours.

Oregon school system and laws on which it is based; problems of Oregon schools; plans for solution; course of study; trends in educational development. Prerequisite: junior standing. Meindl. TuWF, 8:00, Room 208.

- (S) SEd 481. **Alcohol Studies in the 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. MTuWTh, 12:00, Room 111.

- (C) Ed 484. **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. MTuWTh, 12:00, Room 104.

- (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 a program of guidance. For both teachers and administrators. Prerequisite: senior standing. Matlock. MTuWTh, 12:00, Room 106.

- (S) Ed 487. **Counseling Techniques.** (G) 3 hours.

(See Ed 526).

- (S) Ed 490. **Educational Sociology.** (G) 3 hours.

Analysis of contributions of sociology to educational problems and practices. Prerequisite: Ed 310, 312 and introductory sociology or consent of instructor. Bernard. MTuThF, 10:00, Room 121.

- (C) Ed 493. **Observation and Evaluation of Teaching.** (G) 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. O'Rourke. Daily as arranged and Tuesday and Thursday, 2:00 to 4:00, Room 275S.

- (U) (S) Ed 501. **Educational Research.** Authorization and hours to be arranged.

Prerequisite: graduate standing.

Curriculum Instruction.....	Phelps
Elementary Education.....	Malter, Phelps
Evaluation and Surveys.....	Hummel
Field Study.....	Staff
Guidance.....	Matlock
History and Philosophy of Education.....	Guy
Psycho-Educational Problems.....	Boyd
School Administration.....	Hummel
Secondary Education.....	Hummel
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.

Prerequisite: graduate standing.

- (C) Ed 506. **Special Individual Studies.** Maximum of 6 hours.

Authorization and hours to be arranged. Prerequisite: graduate standing. (See Ed 501 for areas).

- (U) Ed 507. **Education 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. Petersen. MTuWF, 11:00, Room 213.

- (U) Ed 507. **Education Seminar: Psycho-Educational Problems.** 1 to 6 hours.

Supervised individual casework with children who have learning or behavior problems in the school. Training in interviewing, psychological evaluation, prognosis, and treatment procedures. Enrollment limited to those with sufficient education and/or experience background. Prerequisite: consent of instructor. Hours to be arranged. Boyd. *Initial meeting*, 9:00, Tuesday, June 18, Room 255S.

- (U) Ed 507. **Education Seminar: Comparative Education.** 3 hours.

A comparative study of education in different countries. Emphasis upon philosophy, objectives, and organization of schools in various contemporary cultures. Anderson. TuWThF, 8:00, Room 57S.

- (U) Ed 507. **Education Seminar: Social Studies in School Curriculum.**

3 hours.

Problems of methodology and curriculum organization in the social studies; examination of the role of the social studies in improving processes of value judgment. Hanson. MTuWTh, 12:00, Room 175S.

- (U) Ed 507. **Education Seminar: Administration of the Small School System.** 3 hours.

The operational and philosophical problems peculiar to small school systems. Special emphasis on problems of rural or semi-rural district operation. Open to graduate students who are working, or who intend to work, in such districts or with consent of instructor. Christensen. MTuThF, 10:00, Room 111

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

Schmidt. (See CERTIFICATION PROGRAM FOR TEACHERS OF RETARDED LEARNERS, page 47).

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

Peace. (See CERTIFICATION PROGRAM FOR TEACHERS OF RETARDED LEARNERS, page 47).

- (S) Ed 508. **Adolescent Problems Workshop.** 2 hours.

Morrison, Schulz. (See WORKSHOPS, page 43).

- (S) Ed 508. **Aviation Education Workshop.** 6 hours.

Olds, Thompson, Cody. (See WORKSHOPS, page 43).

- (U) Ed 508. **Workshop: Economic Education.** 6 hours.

Wolf, Malter, Ballaine, Lovell, Smith. (See WORKSHOPS, page 43).

- (S) Ed 508. **Workshop: Conservation and Outdoor Education for Elementary and Secondary Teachers.** 3 hours.

Hopson, Gridley and staff. (See WORKSHOPS, page 43).

- (U) Ed 508. **Workshop: Laboratory Class for the Mentally Retarded.** 3 hours.

Peace. (See CERTIFICATION PROGRAM FOR TEACHERS OF RETARDED LEARNERS, page 47).

- (S) Ed 508. **Workshop: Curriculum.** 6 hours.

Curry and staff. (See WORKSHOPS, page 43).

- (U) Ed 508. **Workshop: Reading.** 2 hours.

Phelps, Petersen, Iverson and staff. (See WORKSHOPS, page 43).

- (S) Ed 508. **Workshop: Bill of Rights Education.** 3 or 6 hours.

Bierman. (See WORKSHOPS, page 43).

- (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. MWThF, 9:00, Room 214.

- (S) CT 508. **Workshop: Bishop Method of Clothing Construction.** 3 hours.

Ingalls, Rotruck, Warrell. (See WORKSHOPS, page 43).

- (C) Ed 509. **Foundations of Education.** 3 hours.

(See Ed 565).

- (S) Ed 511. **Recent Educational Trends and Problems.** 3 hours.

(July 15-August 9). 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. Curry. TuWThF, 8:00 to 10:00, Room 207S.

(U) (C) **Ed 512. Research Procedures in Education.** 3 hours.

The nature and procedures of research in education; special techniques of thesis, field study, research paper, and dissertation. Open to graduate students majoring in other fields. Does not take the place of individual supervision of the student's thesis. An introductory course in statistics is desirable preparation. Staff. MTu WF, 11:00, Room 111.

(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. Lee. MWThF, 9:00, Room 119S.

(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. Jelinek. TuWThF, 8:00, Room 120.

(U) **Ed 522. Secondary School Curriculum.** 3 hours.

Overview of the secondary-school curriculum, with emphasis on the various subject fields; organization of the school for curriculum development; educational objectives; the course of study; evaluation of the secondary-school curriculum.

(S) **Ed 523. School Activities Program.** 3 hours.

Principles and purposes of school activities; pupil participation in school government; assemblies, clubs, social activities, athletics, speech activities, drama, music and publications; evaluation of activity program. Prerequisite: Ed 310, 312. Pierson. MTuWF, 11:00, Room 307S.

(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. Matlock. MTuThF, 10:00, Room 151S.

(U) **Ed 534. Science in the Elementary School.** 3 hours.

(June 17-July 12). The place of science in the elementary school, with particular reference to the value of science in the lives of children. Selecting and organizing content; coordinating science with elementary-school activities; methods and materials; rooms and equipment. Hopson. MTuWTh, 11:00 to 1:00, Room 314.

(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. Lee. TuWThF, 8:00, Room 15S.

(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. MWThF, 9:00, Room 216.

(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. MTuWTh, 12:00, Room 216.

(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 102.

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

Intellectual development of America with special reference to education. Prerequisite: graduate standing in education. Guy. MTuWTh, 11:00, Room 215S.

(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. Hanson. MTuThF, 10:00, Room 110.

(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. Dean. MTuWTh, 12:00, Room 214.

(S) Ed 553. **Elementary School Curriculum.** 3 hours.

Pupil needs in life situations, objectives, essentials of a goal program, varying curriculum designs, organization of learning experiences, evaluation of learning, appraisal of new curriculum practices. Prerequisite: elementary certification, one year elementary teaching experience. Dean. MTuThF, 10:00, Room 213.

(S) Ed 554. **Elementary School Supervision and Administration.** 3 hours.

Role, duties, needs, problems of supervision; evaluation and improvement of teaching-learning situation. Prerequisite: elementary certification, one year elementary teaching experience. Dean. TuWThF, 1:00, Room 214.

(S) Ed 561. **Advanced Educational Psychology.** 3 hours.

The learning process, character development of the individual in relation to the socialization process. Psychological principles of leadership and morale. Prerequisite: graduate standing in education. Garrison. MTuWTh, 12:00, Room 323S.

(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. Hanson. TuWThF, 1:00, Room 107S.

(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. Jelinek. MTuWTh, 11:00, Room 175S.

(U) Ed 572. **Public School Administration.** 3 hours.

Relations of the school administrator to the school board; school finance, school records and accounts, school building programs, pupil accounting, the teaching staff. Oliver. MTuWTh, 12:00, Room 103.

(U) Ed 573. **Public School Organization.** 3 hours.

Organization in both grade and high school; emphasis on the small system. Christensen. TuWThF, 8:00, Room 103.

(S) Ed 574. **School Supervision.** 3 hours.

Purpose and plans for supervision; use of tests, diagnosis of pupil difficulty. Prerequisite: elementary or secondary certification, one year teaching experience. Leavitt. MTuThF, 10:00, Room 102.

(C) Ed 575. School Finance. 3 hours.

The problems of school finance and business management; sources of school income; relationship to the state financial structure; budgeting and accounting. The work includes the construction of a school budget. Prerequisite: work in administration and organization; or consent of instructor. Christensen. MTuWF, 11:00, Room 102.

(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. The work includes analysis of the problems of a specific district. Prerequisite: work in administration and organization; or consent of instructor. Hummel. MWThF, 9:00, Room 120.

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

Introduction to 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. Matlock. TuWThF, 1:00, Room 151S.

(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. TuWThF, 1:00, Room 111.

English

Faculty: BIERMAN, BOGGS, DAHLSTROM, FORD, FRANCHERE, JOHNSON, LILL, PETERSEN

Literature

(P) Eng 103. Survey of English Literature. (Third Term) 3 hours.

From Byron to the present. Lill. MTuWF, 11:00, Room 121.

(P) Eng 105. Appreciation of Literature. (Second Term) 3 hours.

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. Johnson. MTuWTh, 12:00, Room 105.

(P) Eng 107, 108. World Literature. (First and Second Terms) 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. Boggs.

Eng 107. MTuThF, 10:00, Room 104.

Eng 108. MTuWF, 11:00, Room 104.

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

Study of the important plays—comedies, histories, and tragedies. Dahlstrom. TuWThF, 8:00, Room 155S.

(P) Eng 262. Survey of American Literature. (Second Term) 3 hours.

American literature from its beginning to the present day. Two consecutive terms will satisfy the high-school teaching requirement in English. Ford. MTuThF, 10:00, Room 112.

- (U) Eng 302. **The Prose Tradition in English Literature.** 3 hours.
Thought and attitude of mind in their relation to prose style. Bierman. MTuWF, 11:00, Room 120.
- (U) Eng 304. **Comedy.** 3 hours.
The comic view in both dramatic and nondramatic forms. Main emphasis on English masters, but with attention also to classical and continental writers. Principal theories of the comic and of comic literary forms and types. Dahlstrom. MWThF, 9:00, Room 155S.
- (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. TuWThF, 8:00, Room 216.
- (U) Eng 392. **American Novel.** (Second Term) 3 hours.
Development of the American novel from its beginnings to the present. Ford. MTuWF, 11:00, Room 112.
- (U) Eng 396. **Twentieth-Century Literature.** (Third Term) 3 hours.
British and American literature since 1900. May not be offered toward the satisfaction of the minimum requirement for a major in English. Johnson. MWThF, 9:00, Room 105.
- (U) Eng 428. **Chaucer.** (G) 3 hours.
As much of Chaucer's work read as time permits. Required for graduate students in English. Franchere. MWThF, 9:00, Room 357S.
- (U) Eng 430. **Literature of the Renaissance.** (g) (First Term) 3 hours.
Renaissance thought. Dahlstrom. MTuWF, 11:00, Room 155S
- (U) Eng 488. **Literature for Teachers.** (g) 3 hours.
For students interested in teaching high-school English. Training in comprehension and analysis of representative literary works. Readings from English and American literature, selected in part from state-adopted high-school texts. Does not apply toward the satisfaction of the minimum requirements for a major in English. Boggs. TuWThF, 1:00, Room 104.
- (U) Eng 505. **Reading and Conference.** Hours to be arranged.
Franchere.
- (C) Hum 511. **Contemporary Developments in the Humanities.** 3 hours.
Emphasis upon the search for values in the modern world as reflected in forces shaping contemporary philosophies, trends in contemporary literature, and developments in language study, with implications for public school personnel. Selected readings from leading contemporary thinkers and writers. Bierman. MTuThF, 10:00, Room 120.

Writing

- (P) Wr 111, 112, 113. **English Composition.** 3 hours each.
The fundamentals of English composition; frequent written themes. Special attention to correctness in fundamentals and to the organization of papers. Wr 111 is a prerequisite for Wr 112, and Wr 112 is a prerequisite for Wr 113.
Wr 111. Lill, MWThF, 9:00, Room 103.
Wr 112. Ford. TuWThF, 8:00, Room 112.
Wr 113. Johnson. MTuWF, 11:00, Room 105.

- (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. Required for satisfaction of the high-school teaching requirements in English. Prerequisite: Wr 111, 112, 113. Lill. TuWThF, 8:00, Room 121.

Foreign Languages

Faculty: DOUGHERTY, EATON

*French

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

An introduction to French, stressing reading and speaking. Exercises in elementary composition and grammar. Dougherty. Daily, 11:00 to 1:00, Room 213.

*German

- (P) **GL 1, 2. 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. Eaton. Daily, 8:00 to 10:00, Room 363S.

- (P) **GL 101, 102, 103. Second-Year German.** 4 hours each.

Review of grammar and composition. Reading of selected texts of representative authors. Conversation. Registration for any one student limited to 4 hours in any one of the three terms. Eaton. Daily, 11:00, Room 363S.

*Spanish

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

An introduction to Spanish, stressing speaking and reading. Exercises in elementary composition. Dougherty. Daily, 8:00 to 10:00, Room 255S.

General Studies

Portland Summer Session Adviser: GUY

Chairman, University of Oregon Committee: SORENSON

Chairman, Oregon State College Committee: YUNKER

GSt 501. Research in General Studies. Hours to be arranged.

GSt 503. Graduate Thesis. Hours to be arranged.

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

Geography

Faculty: BROOKE, COURTNEY

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

A general introduction to the field of geography, in sequence as follows: Geog 105,

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

physical elements; Geog 106, earth resources; Geog 107, cultural elements.

Geog 105. Brooke. MWThF, 9:00, Room 208.

Geog 106. Courtney. MTuThF, 10:00, Room 208.

Geog 107. Courtney MTuWF, 11:00, Room 208.

- (U) Geog 301. **Geography of the Pacific Northwest.** (First Term). 3 hours.

A study of the land forms, climates, population, resources, products, and lines of communication of the Pacific Northwest—Oregon. Brooke. MTuThF, 10:00, Room 203.

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

Physical, economic, and human geography of the continent. Prerequisite: Geog 105, 106, 107 or Geog 201, 202, 203. Courtney. TuWThF, 8:00, Room 203.

- (U) Geog 432. **Geography of Africa.** (G) 3 hours.

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

Health and Physical Education

Faculty: BLESCH, GREENSLADE, HOLLAND, JENNE, RODNEY, WASHKE, WESTCOTT

- (P) HE 150. **Health Education.** 1 hour.

Study of personal health problems which confront the college student; the basic scientific principles of healthful living. Meets the health-education requirement for men. Greenslade. MTuWF, 11:00, Room 115S.

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

A variety of activities taught for physiological and recreational values. Special sections for restricted and corrective work. A total of five terms required for all lower-division women students. Holland. MTuThF, 10:00 or MTuWF, 11:00, Gym.

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

A variety of activities taught for physiological and recreational values. Special sections for restricted and corrective work. A total of five terms required for all lower-division men students. Holland. MTuThF, 10:00 or MTuWF, 11:00, Gym.

- (P) HE 250. **Personal Health.** 3 hours.

Analysis of personal health problems, with special reference to nutrition, infections and resistance, rest and sleep, oral hygiene, and social hygiene. Meets the health-education requirement for men and women. Greenslade. MTuWF, 11:00, Room 115S.

- (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. TuWThF, 8:00, Room 323S.

- (U) PE 406. **Workshop: Camping Education and Recreation.** 9 hours.

Rodney, Westcott. (See WORKSHOPS, page 43).

- (U) PE 406. **Workshop: Dance.** 3 hours.

Jenne. (See WORKSHOPS, page 43).

- (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 ob-

jectives, 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. TuWThF, 8:00, Gym.

PE 412. Holland. MTuThF, 10:00, Gym.

PE 413. Holland. MTuWF, 11:00, Gym.

(U) **PE 444. 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. Blesh. MTuThF, 10:00, Room 319S.

(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. Holland. TuWThF, 1:00, Room 101.

(U) **PE 472. Kinesiology.** 3 hours.

Action of muscles involved in fundamental movements, calisthenics, gymnastics, and athletics. Prerequisite: Bi 371, 372. Blesh. MWThF, 9:00, Room 319S.

(U) **PE 506. Workshop: Camping Education and Recreation.** 9 hours.

Rodney, Westcott. (See WORKSHOPS, page 43).

(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. MWThF, 9:00, Room 323S.

(U) **PE 516. Intramural Organization and Management.** 3 hours.

Nature and purposes of intramural programs; history of their development. Departmental organization. Relationship of the program to physical-education instruction. Administrative problems. Washke. MTuWF, 11:00, Room 323S.

(U) **PE 521. Basic Procedures in Corrective Physical Education.** 3 hours.

Common postural deviations; causes; basic principles underlying the prescription of exercise of those conditions which may be handled safely by the physical-education teacher; methods of referral when advisable. Prerequisite: Bi 371, 372; PE 472, or consent of instructor. Blesh. MTuWTh, 12:00, Room 319S.

History

Faculty: DMYTRYSHYN, GILMORE, HOFFMANN, KERR, WEBB

(P) **Hst 101. History of Western Civilization.** (First Term) 3 hours.

Origins and development of Western civilization from ancient times to the present. Webb. MTuWTh, 12:00, Room 110.

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

From colonial times to the present day.

Hst 201. Kerr. TuWThF, 8:00, Room 215.

Hst 202. Gilmore. MWThF, 9:00, Room 215.

Hst 203. Kerr. MTuThF, 10:00, Room 215.

- (U) Hst 350. **Hispanic America.** (First Term) 3 hours.
A survey of Hispanic America from the early Indian civilizations through the periods of Spanish conquest and colonization; the wars of independence; the rise of national states; their internal development and foreign relations. Hoffmann. MTuWF, 11:00, Room 214.
- (U) Hst 430. **Renaissance.** (G) (First Term) 3 hours.
The Renaissance in Italy. Webb. MWThF, 9:00, Room 121.
- (U) Hst 445. **Europe Since 1939.** (g) 3 hours.
Origins and course of World War II; postwar developments in the European states. Webb. MTuThF, 10:00, Room 204.
- (U) Hst 448. **Soviet Union.** (G) 3 hours.
The revolution of 1917; Russian domestic and foreign policies from 1917 to the present. Dmytryshyn. TuWThF, 1:00, Room 121.
- (U) Hst 449. **Eastern Europe.** (g) 3 hours.
The Baltic, Danubian, and Balkan states in recent times; political, social, and economic problems; role of the area in international affairs. Dmytryshyn. MTuWTh, 12:00, Room 121.
- (U) Hst 461. **History of American Thought and Culture.** (g) (Second 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: 9 hours in United States history or consent of the instructor. Kerr. MTuWF, 11:00, Room 215.
- (U) Hst 469. **Twentieth-Century England.** (g) 3 hours.
Social, political, economic, and intellectual changes in Great Britain in the twentieth century. Hoffmann. MTuThF, 10:00, Room 214.
- (U) Hst 477. **History of the West.** (G) (Second Term) 3 hours.
The American frontier. Second term: the trans-Mississippi West. Hoffmann. TuWThF, 8:00, Room 214.
- (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. Gilmore.
Section I: TuWThF, 8:00, Room 110.
Section II: MTuWF, 11:00, Room 110.

Home Economics

Faculty: INGALLS, ROTRUCK, WARRELL

- (S) CT 408, 508. **Workshop: Bishop Method of Clothing Construction.** 2 hours.
(August 12-23). This *Advanced Workshop* provides an opportunity to learn the Bishop method of sewing and to develop plans to introduce it in the clothing and textile portion of the Home Economics program of the public school. Open only to students who have earned credit in the basic course. Enrollment limited to fifty students. Application for the workshop must be made in advance to Miss Ida Ingalls, School of Home Economics, Oregon State College, Corvallis, Oregon.

Journalism

Faculty: BAUER

- (U) J 489. **Supervision of School Publications.** (g) 3 hours.

The teacher's role in guiding student publications in secondary schools and junior colleges. MTuWTh, 8:00, Room 318.

Mathematics

Faculty: FLANAGAN, HUNT, JENKINS

- (P) Mth 10. **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 for credit after completion of higher courses in college mathematics. Jenkins. Daily, 11:00, Room 313.

- (P) Mth 100. **Intermediate Algebra.** 4 hours.

Prerequisite: one year of high-school algebra, or Mth 10. Flanagan. Daily, 10:00, Room 307S.

- (P) Mth 102. **Plane Trigonometry.** 4 hours.

Prerequisite: Mth 101. Flanagan. Daily, 12:00, Room 307S.

- (P) Mth 103. **Analytic Geometry.** 4 hours.

Prerequisite: Mth 102. Hunt. Daily, 8:00, Room 102.

- (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. Flanagan. TuWThF, 1:00, Room 106.

- (P) Mth 203. **Differential and Integral Calculus.** (Third Term) 4 hours.

Standard course for students of science and engineering. Prerequisite: Mth 103. Hunt. Daily, 9:00, Room 102.

- (C) Mth 311. **Foundations of Mathematics.** 3 hours.

Mathematical background information and theory essential for teaching in the elementary school. Flanagan. TuWThF, 1:00, Room 106.

- (U) Mth 425. **Elements of Statistical Methods.** (g) (First Term) 3 hours.

A basic course in statistical analysis. Presentation of data; sampling theory; tests of significance; analysis of variance and covariance; regression and correlation; sequential analysis; design of experiments; distribution-free techniques. Prerequisite: one year of high-school algebra; junior standing. Students who have received credit for Mth 301, 302, 303 may not receive credit for Mth 425. Hunt. MTuWF, 11:00, Room 203.

Music

Faculty: ALBERTSON, FREEBURG, GUSTAFSON, REVELLI, STEHN, TRUDEAU

- (P) Mus 190. **Applied Music.** 1 to 2 hours. (By arrangement).

Freshman year. Individual instruction in piano, voice, stringed instruments, orchestral and band instruments. For music majors and music instructors. Stehn.

- (P) Mus 290. **Applied Music.** 1 to 2 hours. (By arrangement).
Sophomore year. Continuation of Mus 190, which is prerequisite. Stehn.
- (P) Mus 381, 382. **Music Fundamentals.** 3 hours each.
A musical background for the elementary teacher to build a basic musicianship through experiences that apply to the teaching of music in the elementary classroom. Required of majors in elementary education.
Mus 381. Gustafson. TuWThF, 8:00, Room 311S.
Mus 382. Albertson. MTuWF, 11:00, Room 311S.
- (P) Mus 383. **Music Fundamentals. (Methods for Classroom Teachers).** 3 hours.
Experiences in teaching the various music activities found in the elementary classroom. Required of majors in elementary education. Gustafson. MTuThF, 10:00, Room 311S.
- (P) Mus 390. **Applied Music.** 1 to 2 hours. (By arrangement).
Junior year. Prerequisite: Mus 290 or equivalent. Stehn.
- (P) Mus 395. **Band.** 1 hour.
Trudeau. Tu, 7:30 p.m. to 10:30 p.m., Room 457S.
- (P) Mus 397. **Choral Union.** 1 hour.
Open to any student interested in participating in group choral singing. Previous choral experience not necessary. Required of those taking Mus 433 Choral Conducting in the Elementary Grades. Albertson. TuWThF, 1:00, Room 457S.
- (U) MuE 407. **Seminar: Music for Intermediate and Junior High School.** (G) 2 hours.
Freeburg. (See WORKSHOPS, page 43).
- (U) MuE 407. **Seminar: Music in the Elementary Grades.** (G) 3 hours.
Gustafson. (See WORKSHOPS, page 43).
- (U) MuE 407. **Seminar: Band Techniques.** (G) 2 hours.
Revelli, Stehn. (See WORKSHOPS, page 43).
- (P) Mus 433. **Choral Conducting in the Elementary Grades.** 2 hours.
Techniques involved in the ensemble and chorus singing in the elementary school. Special emphasis on the care and training of the changing voice; problems of part singing and music reading; suitable materials for special needs; organization of classroom music, and special groups; building programs for assembly and public performance. Students must register concurrently in Mus 397 Choral Union. Albertson. TuWThF, 1:00, Room 457S.
- (U) Mus 433. **Advanced Conducting.** (G) (Third Term) 3 hours.
The routine and technique of conducting. Problems of the symphony orchestra and choral groups. Score reading. Actual practice in conducting. Prerequisite: Mus 211, 212, 213 or equivalent; consent of instructor. Stehn. MTuWTh, 12:00, Room 457S.
- (U) Mus 436. **Applied Theory.** (G) (Third Term) 3 hours.
Designed primarily for school orchestra, band, and choral directors. Practical study of problems of harmony, form, structure, counterpoint, rhythm, and intonation as they are usually encountered in the music performed by high-school organizations. May be counted toward the degree of Master of Science in General Studies; may not be counted toward a music degree. Prerequisite: experience as an orchestra, band, or choral director, or consent of instructor. Stehn. MTuThF, 10:00, Room 315S.

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

Senior year. Prerequisite: Mus 390 or equivalent. Stehn.

Philosophy

Faculty: NEWHALL, POLONOFF.

- (P) Phl 201. **Elementary Logic.** 3 hours.

An introduction to the study of reasoning. How to recognize, analyze, criticize, and construct the main types of argument and proof. Newhall. MTuWThF, 11:00, Room 223S.

- (P) Phl 202. **Problems of Philosophy.** 3 hours.

An introduction to the study of some of the persistent problems of philosophy. Newhall. MTuWTh, 12:00, Room 223S.

- (P) Phl 203. **Elementary Ethics.** 3 hours.

An introduction to the philosophical study of morality, e.g., right and wrong, free will and determinism, morals and society, etc. Polonoff. TuWThF, 1:00, Room 204.

- (U) Phl 305. **Social Philosophy.** (Second Term) 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. MWThF, 9:00, Room 223S.

- (U) Phl 471. **Philosophy of Science.** (G) 3 hours.

Analysis of basic concepts of science, such as “explanation,” “chance,” “causation,” etc. Nature of mathematics and its relation to empirical science. Polonoff. MTuWTh, 12:00, Room 204.

Political Science

Faculty: DIXON, POWELL.

- (P) PS 203. **American Governments.** (Third Term) 3 hours.

State and local governments. Dixon. MTuThF, 10:00, Room 223S.

- (U) PS 411. **Public Administration.** (G) (First Term) 3 hours.

Study of the organization and activities of government in carrying out public policy. Powell. TuWThF, 8:00, Room 275S.

- (U) PS 415. **Public Opinion.** (G) 3 hours.

Study of the methods of the formation and control of public opinion. Powell. MWThF, 9:00, Room 275S.

- (U) PS 433. **American Political Theory.** (G) 3 hours.

The development of American political theories from early colonial days to the present. Dixon. MTuWTh, 12:00, Room 219S.

- (U) PS 482. **The Legislature in American Government.** (G) 3 hours.

Study of the work of representative lawmaking bodies in a modern technological society; how legislatures are organized and operate in the Federal and state governments. Dixon. TuWThF, 1:00, Room 219S.

- (U) PS 507. **Seminar: Personnel Administration in Government.** 3 hours.

Intensive study of areas of special current interest. Subject matter will vary with

the interest and needs of students, but will include such subjects as analysis of differences and similarities between personnel administration in government and in industry, security and loyalty, analysis of selected personnel techniques and problems, personnel surveys of city and state jurisdictions and of federal agencies. Powell. MTuWF, 11:00, Room 275S.

Psychology

Faculty: BECK, BENNEE, BERNARD, BOYD, DAVIS, GARRISON, LEE, POWLOSKI, SMITH.

(P) **Psy 201, 202. General Psychology.** 3 hours each.

Introductory study of behavior and conscious processes. Survey of experimental studies with reference to motivation, learning, thinking, perceiving, and individual differences.

Psy 201. Beck. TuWThF, 8:00, Room 265S.

Psy 202. Powloski, MWThF, 9:00, Room 111.

(P) **Psy 204. Psychology of Adjustment.** 3 hours.

The nature and origins of differences in personality; means of making desired changes. Smith. TuWThF, 1:00, Room 251S.

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

Consideration of the child as an individual and as a member of social groups. Included is a study of the kinds of home and school environment essential to the best intellectual, physical, and emotional development of the child. Prerequisite: Psy 201.

Section I: Beck. MWThF, 9:00, Room 251S.

Section II: Lee. MTuWF, 11:00, Room 106.

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

A consideration of the conditions, principles and theories of motivation as applied to the social sciences. Prerequisites: Psy 201, 202, and 204 or 205. Smith. MTuThF, 10:00, Room 363S.

(S) **Psy 411. Mental Hygiene.** (g) 3 hours.

Principles and applications of mental hygiene to problems of individual in home, school, and occupational situations. Prerequisite: Psy 315 or equivalent. Bernard. MTuWF, 11:00, Room 123S.

(U) **Psy 421. Principles and Methods of Psychological Assessment.** (G) (First Term) 3 hours.

Application of psychological methods to the study of the individual; survey of intelligence, achievement, special-aptitude, and personality tests; theoretical and statistical background for interpretation of test scores; training in diagnosis of actual cases. Prerequisite: General Psychology and consent of instructor. Statistics course is desirable. Boyd. TuWThF, 8:00, Room 255S.

(U) **Psy 424, 425. Individual Intelligence Testing.** (G) 3 hours each.

Supervised practice in the administration and scoring of individual and group intelligence tests and various tests of achievement, special aptitude, and personality. Two three-hour laboratory periods. Prerequisite: Psy 421 previously or concurrently or consent of instructor. Boyd. MWThF, 9:00, Room 255S.

(S) **Psy 431. Industrial Psychology.** (g) 3 hours.

Psychological characteristics of employees and psychological requirements of occupations; employee appraisal through development and use of evaluating instruments and recording of evaluations; psychological factors involved in

maintaining employee fitness and morale. Prerequisite: Psy 203 or equivalent. Davis. MWThF, 9:00, Room 123S.

- (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. MTuWF, 11:00, Room 251S.

- (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. Bennee. MTuWTh, 12:00, Room 101.

Psy 461. Garrison. TuWThF, 1:00, Room 323S.

- (U) Psy 507. **Seminar: Theory of Personality.** 3 hours.

A review and critical analysis of contemporary theories including psychoanalytic interpretations and the approaches of Allport, Lewin, Cattell, and others. Discussions will consider the scientific status and adequacy of the various theories together with the relevance of their supporting data. Beck and Powloski. MTu-ThF, 10:00, Room 275S.

- (C) Psy 519. **Research Studies in Child Development.** 3 hours.

Study of current research studies and experimental programs concerned with the physical, emotional, intellectual, and social development of children. Individual studies by students, case studies, and model experimental projects with children in the laboratory school will supplement library resources. Beck. MTuWTh, 12:00, Room 206.

- (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. Garrison. MTuThF, 10:00, Room 155S.

- (U) Psy 521. **Systematic Psychology.** (First Term). 2 hours.

Contemporary systems: Gestalt psychology, purposive behaviorism, topological psychology, psychoanalysis, etc. Aims of psychology, nature of explanation, and functions of abstractions in psychology. Powloski. MTuTh, 12:00, Room 275S.

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. MTuWF, 11:00, Room 319S.

- (U) R 421. **Religion in Contemporary Society.** (g) 3 hours.

The relation of religion to social institutions. Religion and the state, totalitarian

and democratic. The social techniques of the various churches and religious groups. The religion situation today. Criteria for evaluating religion as a social force. TuWThF, 8:00, Room 319S.

(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 323S.

Science

Faculty: BUMGARDNER, COOPEY, HOPSON, JOHNSON, MALCOLM, MICKELSEN, PAYNE, ROBERTI, WALTON.

Biology

*** (P) Bio 201, 202, 203. General Biology. 3 hours each.**

For biology and zoology majors and premedical, pre dental, pre nursing, pre pharmacy, preveterinarian, physical education, psychology, fish and game management, and fisheries students. Malcolm. Lecture: TuWThF, 8:00 to 10:00 and 1:00 to 3:00, Room 309. Laboratory: TuWThF, 10:00 to 12:00, Room 309.

Chemistry

*** (P) Ch 104, 105, 106. General Chemistry. 4 hours each.**

For students majoring in medical technology, pre dental, nursing, and general studies. Johnson and Mickelsen. Lecture: Daily, 8:00 to 9:30 and 12:30 to 1:30, Room 303. Laboratory: Daily, 9:30 to 12:00, Room 304.

*** (S) Ch 226, 227. Organic Chemistry. 5 hours each.**

Carbon compounds of the aliphatic and aromatic series. Roberti and Bumgardner. Lecture: MTuThF, 9:00 to 11:00, Room 312. Laboratory: MTuThF, 11:00 to 3:00, Room 362.

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. Payne. Lecture: MTuWTh, 10:00 to 12:00 and 1:00 to 2:00, Room 314. Laboratory: MTuWTh, 2:00 to 4:30, Room 314.

*** (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 physical sciences. Coopey. MTuWTh, 8:00 to 11:00, Room 313.

Geology

(S) G 352. Geology of Oregon. 3 hours.

(June 17-July 12). Origin and geologic history of landscape features of Oregon; for students without prior geologic background. Hopson. MTuWTh, 8:00 to 10:00, Room 7S.

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

Physics

- * (P) Ph 101, 102, 103. **Engineering Physics.** 4 hours each.
(June 17-August 16). Studies in general physics adapted to students in engineering. Prerequisite: Mth 100 or equivalent. Walton. Lecture: Daily, 9:00 to 11:00, Room 2. Laboratory: MTuWTh, 1:00 to 4:00, Room 3.
- * (P) Ph 201, 202, 203. **General Physics.** 4 hours each.
(June 17-August 16). Standard college physics. Walton. Lecture: Daily, 9:00 to 11:00, Room 2. Laboratory: MTuWTh, 1:00 to 4:00, Room 3.

Science Education

- (C) Ed 410. **Methods and Research Materials: Science.** (G) 3 hours.
Hopson. (See description under EDUCATION.)
- (U) Ed 534. **Science in the Elementary School.** 3 hours.
Hopson. (See description under EDUCATION.)

Secretarial Science

Faculty: BACKLUND

- (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 course SS 111 for credit. MTuThF, 11:00, Room 308.
- (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, speed practice. Students with one year or more of typing are not permitted to take SS 121 for credit. Daily, 12:00, Room 307.

Sociology

Faculty: DRUM, JAMES.

- (P) Soc 206. **General Sociology.** (Third Term) 3 hours.
The basic findings of sociology concerning the individual, culture, group life, social institutions, and factors of social change. Prerequisite: sophomore standing or consent of instructor. James. TuWThF, 8:00, Room 204.
- (P) Soc 335. **Social Psychology.** (Second Term) 3 hours.
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: junior standing or consent of instructor. James. MWThF, 9:00, Room 204.
- (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,

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

marital and family adjustment, family crises. Prerequisite: junior standing or consent of instructor. Drum. TuWThF, 1:00, Room 115S.

(U) Soc 407. **Seminar: Family Life Education.** (G) 3 hours.

Meaning and content; course content on pre-school elementary, and high-school level. Psychology of personality development. Role and fundamentals of sex education in family life. Basic psychological concepts in teaching family life. Counseling in family life education. Of special interest to teachers, counselors, deans of men and women and school administrators. Drum. MTuThF, 10:00, Room 119S.

(U) Soc 417. **Criminology and Delinquency.** (G) (Second Term) 3 hours.

The nature and extent of delinquency as a form of deviant social behavior; contributing factors; current prevention and treatment programs. Prerequisite: Soc 204, 205; or Psy 201, 202; or Soc 307. Drum. MTuWTh, 12:00, Room 119S.

(U) Soc 431. **Community Structure and Organization.** (G) (First Term) 3 hours.

Analysis of the human community. Origin and development of communities, rural and urban settlement patterns, the urbanization process, patterns of urban growth and structure, the special distribution of people and institutions within the community. Prerequisite: Soc 204, 205, 206. James. MTuWF, 11:00, Room 204.

Speech

Faculty: CASTEEL, LILLYWHITE, NELSON, NOBLES, PADROW, ROBERTS, SOMERVILLE.

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

Speech projects designed to improve general speech personality and communication through adjustment to speaking situations and development of better voice and diction habits.

Section I: Padrow. TuWThF, 8:00, Room 111.

Section II: Nobles. MTuThF, 10:00, Room 215S.

Section III: Nobles. MTuWTh, 12:00, Room 215S.

(P) Sp 232. **Group Discussion.** 3 hours.

Techniques and practice in preparing, leading, and participating in the many types of discussion used by extension workers, club leaders, teachers, and all business, technical, and professional people such as conferences, socialized recitations, panels, lecture forums, and symposiums. Prerequisite: Sp 111. Roberts. TuWThF, 8:00, Room 206.

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

Study of sounds used in speech. Determination of sounds; their symbolic nature; their production; physical and psychological problems involved in their perception; sectional differences. Casteel. TuWThF, 1:00, Room 215S.

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

A study of the anatomy, psychology, and physics of speech. Roberts. MTuWF, 11:00, Room 206.

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

Instruction in speech and speech forms designed for classroom use. Padrow. MTuThF, 10:00, Room 206.

(U) Sp 481, 482. **Speech Defects and Disorders.** (G) 3 hours each.

First term: symptoms and causes of speech abnormalities; emphasis on diagnosis and basic pathology of articulatory defects and delayed speech, with discussion of methods of treatment limited to general principles. Second term: emphasis

on cleft-palate and spastic speech, aphasia, stuttering, and neurological speech disorders. Lillywhite, Nelson.

Sp 481. MWThF, 2:00, Room 255S.

Sp 482. TuWThF, 1:00, Room 255S.

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

Study of specific approaches and techniques in the treatment of the major speech defects, including functional articulatory difficulties, cleft-palate speech, stuttering, and neurological speech disorders. Lillywhite and staff. MTuWTh, 12:00 to 1:00 and an additional two hours of clinical practice, time to be arranged either between 8:30 and 11:30 or 1:00 and 4:00. All classes will meet at the Crippled Children's Division building, 745 SW Gaines Street, Portland.

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

Actual case experience for student clinicians in the diagnosis and treatment, under supervision, of speech-defective children and adults. Lillywhite and staff. MTuWTh, 12:00 to 1:00 and two hours of clinical practice, time to be arranged either between 8:30 and 11:30 or 1:00 and 4:00. All classes will meet at the Crippled Division building, 745 SW Gaines Street, Portland.

(U) Sp 507. Seminar: Discussion and Debate. 3 hours.

Nobles. MWThF, 9:00, Room 175S.

(U) Sp 001. Seminar: Teaching of Speech on the Secondary Level. Non-credit.

Roberts, Padrow. (See WORKSHOPS, page 43).

(U) Sp 508. Workshop: Television. 3 hours.

Somerville. (See WORKSHOPS, page 43).

Workshops

Eight-Week Workshops

- (E) Ed 455. **Primary Education Workshop: Teaching in the Self-Contained Classroom.** (G) 3 hours. (June 17-August 9).

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. O'Rourke. MTuWF, 11:00, Room 119S.

- (E) Ed 459. **Intermediate and Upper Grade Workshop: Teaching in the Self-Contained Classroom.** (G) 3 hours. (June 17-August 9).

(See Ed 455 above)

- (U) MuE 407. **Seminar: Music in the Elementary Grades.** (G) 3 hours. (June 17-August 9).

Curriculum, materials and procedures of music teaching in grades one through six. Designed for classroom teachers, music majors, and administrators. Gustafson. MTuWF, 11:00, Room 315S.

- (U) Sp 508. **Workshop: Television.** 3 hours. (June 17-August 9).

The building and presentation of program ideas for television. Basic fundamentals of writing and directing for television which includes materials, casting, directing, control operation, promotion, and on-camera techniques. Practical television work to be taken at the studios of Portland Station KGW-TV, Channel 8. Somerville. MTuWF, 11:00, Room 107.

Six-Week Workshop

- (U) PE 406, 506. **Workshop: Camping Education and Recreation.** 9 hours. (June 17-July 26)

Analysis of modern viewpoints in camp administration and organization; aspects of camp leadership techniques; principles and problems of leadership and group behavior as related to camping education; methods, techniques, and program practices in outdoor education. Emphasis on actual learning situations utilized to supplement class work including audio-visual aids, field trips, and a 10 day directed laboratory experience in an organized camp. Open to elementary and secondary teachers, school, camp, and recreation administrators, voluntary and private agency staff, camp and recreation leaders. Limited enrollment requires admission by prior application. Applications should be addressed to Robert J. Gridley, Coordinator of Workshops, 1620 SW Park Avenue, Portland 1, Oregon. Rodney, Westcott. Daily, 9:00 to 12:00, Room 107S.

Four-Week Workshops

- (U) Ed 508. **Workshop: Economic Education.** 6 hours. (June 19-July 12).

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 for Economic Education is cooperating with the Portland Summer Session in this workshop. Limited enrollment. Admission by prior application should be addressed to Robert J. Gridley, Coordinator of Workshops, 1620 SW Park Avenue, Portland 1, Oregon. Wolf, Malter, Ballaine, Lovell, Smith. Daily, 9:15 to 12:00 and 1:15 to 4:15, Room 207S.

(S) **Ed 508. Aviation Education Workshop.** 6 hours.

(Basic Workshop: July 15-August 10)

(Advanced Workshop: July 15-August 10)

Especially planned for elementary and secondary teachers and administrators; will consider economic, social, geographical, military, and technical aspects of the air age. Two locations: first three weeks at Portland Air Base; last week guests of U. S. Air Force and CAP at an out-of-state location. Transportation provided by U. S. Air Force. Two workshops concurrently. Imperative students indicate on registration card which workshop they wish to attend. Only students who have had basic here or elsewhere eligible for advanced. Applications should be addressed to Robert J. Gridley, Coordinator of Workshops, 1620 S.W. Park Avenue, Portland 1, Oregon. Olds, Thompson, Cody. Daily, 8:00 to 12:00 and 1:00 to 4:00.

(U) **PE 406. Workshop: Dance.** 3 hours. (June 17-July 12).

Instruction and practice in Folk and Social Dancing. Designed for intermediate and upper grade elementary school teachers, and high school teachers. Jenne. MTuWTh, 3:00 to 5:00, Gym.

Three-Week Workshops

(E) **BA 011. Seminar: Human Relations in the Smaller Business.** Non-credit. (July 15-August 2).

(See BA 407 below for description).

(U) **BA 407. Seminar: Human Relations in the Smaller Business.** (G) 3 hours. (July 15-August 2).

Smaller business concerns often face difficult human relations problems, particularly in developing a smoothly working chain of command and in securing a high level of employee motivation and morale. This seminar will give owners and managers of smaller manufacturing and non-manufacturing concerns a chance to compare their own solutions to common human relations problems with those used by other companies, and also, to consider the implications of recent studies of human behavior in the smaller firm. Some attention also will be given to ways in which smaller firms can take advantage of specialized personnel and training techniques developed by larger organizations. Lovell. Daily, 8:00 to 10:00, Room 315S.

(U) **Ed 508. Workshop: Curriculum.** 6 hours. (June 24-July 12).

A twelve grade curriculum workshop organized to include general sections dealing with basic philosophy and issue and special interest sections under the joint auspices of the Summer Session and the Portland Public Schools.

Sections to provide opportunities for individual and group work on such special topics as Gifted Child (Elementary), Mentally Handicapped (Elementary), General Secondary Curriculum, General Elementary Curriculum, Creative Drama, Ninth Grade Curriculum and the Bill of Rights will be organized.

Laboratories and centers will be provided for an Arithmetic Clinic dealing with the remedial and individual approach and for Art, Music, Science, Study Skills, Reading, Creative Writing, Current Events and Unit Teaching with others to be arranged if needed.

The special section for teachers to study the Bill of Rights will have special speakers and resource people and will be provided with material developed by The Fund for the Republic. The workshop is supported by a grant from The Fund.

Twenty scholarships will be awarded to the first twenty qualified applicants. (See Ed 508 Workshop: Bill of Rights Education below)

Dr. Guy Curry, Director, Arkansas Experiment in Teacher Education will be the director of the workshop and which will meet in the Girls Polytechnic high school. Dr. Curry will be assisted by selected administrative personnel of the Portland Public Schools and other specialists and consultants. Students will register for six hours credit. Fee \$48.00. Registration limited to 300. Portland teachers will be given priority but registrations will be accepted from teachers outside Portland if Portland teachers do not fill the quota. Workshop places may be reserved by writing Mr. Norman K. Hamilton, Assistant Superintendent of Schools, Portland Public Schools, 631 NE Clackamas Street, Portland 8, Oregon. Advance registrations will be held until 12:00 noon, June 24. No registrations will be accepted after 5:00 p.m., June 24.

- (S) Ed 508. **Workshop: Bill of Rights Education.** 3 or 6 hours. (June 24-July 12).

An opportunity will be provided for experienced secondary social studies and English teachers to develop materials related to the creation of the Bill of Rights and to civil liberties problems for inclusion in high school curricula. Open to others concerned with public discussion of related problems. Address application to Mr. Norman K. Hamilton, Assistant Superintendent, Portland Public Schools, 631 NE Clackamas Street, Portland 8, Oregon. Bierman.

Two-Week Workshops

- (E) BA 012. **Workshop for Union Representatives.** Non-credit. (June 3-June 14).

A workshop and discussion program dealing with practical economic and human relations problems faced by full-time union representatives. Emphasis will be placed on three main areas: recent developments affecting the labor movement, including long-term economic changes and trends in social insurance and labor relations legislation; use and sources of economic and other data in contract and grievance negotiations; application of role playing, buzz groups and other discussion tools to membership and committee meetings. Lovell. Daily, 8:00 to 10:00, room to be assigned.

- (S) CT 408, 508. **Workshop: Bishop Method of Clothing Construction.** 3 hours.
(August 12-23)

This *Advanced Workshop* provides an opportunity to learn the Bishop method of sewing and to develop plans to introduce it in the clothing and textile portion of the Home Economics program of the public school. Open only to students who have earned credit in the basic course. Application for the workshop must be made in advance to Miss Ida Ingalls, School of Home Economics, Oregon State College, Corvallis, Oregon. Ingalls, Rotruck, Warrell.

- (U) MuE 407. **Seminar: Music for Intermediate and Junior High School.**
(G) 2 hours. (August 19-30).

Music materials and activities (grades 5-8) concerning singing, listening, rhythms, playing, reading, and musical dramatization. Curriculum planning with reference to music in social studies and projects in general music. Freeburg. Daily, 9:30 to 11:30 and 1:00 to 2:30, Room 311S.

- (U) Sp 001. **Seminar: Teaching of Speech on the Secondary Level.** Non-credit.
(August 12-23).

Intensive study of problems of speech pedagogy on the secondary school level for teachers. Emphasis in individual projects on specific areas of speech interest. Prerequisite: undergraduate courses in speech or teaching experience. Roberts, Padrow. Daily, 9:30 to 11:30 and 1:00 to 2:30, Room 19S.

One-Week Workshops

- (E) Ed 011. **Junior College Workshop.** Non-credit. (August 19-23).

A consideration of trends in community college development; organizational patterns; curriculums; financial support; community surveys; elements of control at the local and state levels. Enrollment by invitation only. Dr. Viron A. Moore, Assistant Dean, General Extension Division, Director; Dr. S. V. Martorana, Specialist Community and Junior Colleges, U. S. Office of Education, Consultant. Daily, 9:30 to 12:00 and 1:30 to 3:00, Room 115S.

- (C) Ed 407. **Parent-Teacher Organization.** 2 hours. (August 12-16).

A one-week course presenting problems, techniques, and projects of the parent-teacher movement. Emphasis placed on what the home expects of the school; what the school expects of the home; what the child needs of both; the role of the PTA in fostering the close and effective home-school-community cooperation. Current source materials and parent-teacher practices and programs will be examined. Special problems facing both beginning and experienced teachers will be studied. Moorhead. Daily, 9:30 to 12:00 and 1:00 to 3:00, Room 107S.

- (S) Ed 407. **Seminar: Workshop in Conservation and Outdoor Education for Elementary and Secondary Teachers.** 3 hours. (Section I: July 28-August 3. Section II: August 4-10).

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 two identical sessions, will be held at Hoodoo Bowl Inn near the summit of Santiam Pass just off highway 20. Many public and private agencies, industries and organizations interested in conservation of natural resources cooperate with the 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. Course fee, \$24; food and lodging for seven days, \$40; both sums are payable at the time of registration. Registration is by application only and must be completed on or before July 2. Enrollees are responsible for their own transportation to and from Hoodoo Bowl Inn. Applications should be addressed to Robert J. Gridley, Coordinator of Workshops, 1620 SW Park Avenue, Portland 1, Oregon. Hopson, Gridley and special staff.

- (S) Ed 508. **Workshop: Conservation and Outdoor Education for Elementary and Secondary Teachers.** 3 hours.

(See Ed 407. Seminar: Workshop in Conservation and Outdoor Education for Elementary and Secondary Teachers listed above)

- (S) Ed 508. **Adolescent Problems Workshop.** 2 hours. (July 8-12)

Role of the school administrator and classroom teachers 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. Applications should be addressed to Robert J. Gridley, Coordinator of Workshops, 1620 SW Park Avenue, Portland 1, Oregon. Morrison, Schulz and staff. Daily, 9:30 to 12:00 and 1:00 to 3:00. Room 57S.

- (U) Ed 508. **Workshop: Reading.** 2 hours. (August 12-16).

The workshop will feature a well-known guest lecturer in reading. Study groups

under the guidance of specialists in reading will be organized on primary, intermediate, upper grade, and high school levels. The lectures and group work will be concerned with philosophy, techniques of teaching, demonstrations, directed reading activities, and identifying specific skills. Such topics as developing interest, readiness, comprehension, rate, improving reading in subject areas, effective reading for superior students, the use of equipment, vocabulary development, and determining the level of reading ability will be considered. Emphasis will be given to reading in the upper grades and in high school. Phelps, Petersen, Iverson and staff. Daily, 9:00 to 12:00 and 1:00 to 3:00. Room 211S.

- (U) MuE 407. **Seminar: Band Techniques.** (G) 2 hours (August 26-31) plus two evening meetings).

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. Revelli, Stehn. Daily, 8:00 to 12:00 and 1:00 to 3:00. Room 457S.

Certification Program for Teachers of Retarded Learners

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

Identification and guidance of the mental deficient, the slow learner, and the gifted. Identification, classification and diagnosis for an educational program. Guidance of the educable mentally retarded. This course coordinated with other offerings of the Workshop for Teachers of the Mentally Retarded. Schmidt. MWThF, 8:00, Room 223S.

- (U) Ed 507. **Education 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. Peace. MWThF, 1:00, Eliot School, 2231 N. Flint Avenue.

- (U) Ed 507. **Education 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. Tu, 8:00 to 12:00; Th, 10:00 to 12:00, Eliot School, 2231 N. Flint Avenue.

- (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. Peace. MWF, 10:00 to 12:00, Eliot School, 2231 N. Flint Avenue.

1957

Portland Summer Session

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- STANLEY L. JOHNSON, Ph.D., Assistant Professor of English, Portland State College and Portland Extension Center.
- MITCHELL W. KERR, Ph.D., Assistant Professor of Social Science, Portland State College.
- JEROME E. LEAVITT, D.Ed., Associate Professor of Education, Portland Extension Center and Portland State College.
- DORRIS M. LEE, Ph.D., Associate Professor of Education, Portland State College.
- JAMES V. LILL, Ph.D., Assistant Professor of English, Portland State College.
- HEROLD LILLYWHITE, Ph.D., Associate Professor of Speech, General Extension Division.
- MICHAEL LOEW, Instructor in Painting, Museum Art School, Portland.
- ALFRED L. LOMAX, M.A., Professor of Business Administration, University of Oregon.
- HUGH G. LOVELL, Ph.D., Assistant Professor of Economics, Portland Extension Center.
- DAVID R. MALCOLM, Ph.D., Assistant Professor of Zoology, Portland State College.
- MORTON S. MALTER, Ph.D., Associate Professor of Education, Portland State College and Portland Extension Center.
- SEBASTIAN V. MARTORANA, Ph.D., Specialist for Community and Junior Colleges, U.S. Office of Education.
- JACK R. MATLOCK, M.A., School Psychologist, Long Beach Public Schools.
- WILLIAM R. MATTHIES, M.S., Associate Professor of Business Administration, Portland State College and Portland Extension Center.
- CARLYNE L. MCCALLISTER, B.S., Education Librarian, Portland State College and Portland Extension Center.

- GERALD MEINDL, LL.B., Attorney at Law, Portland.
- JOHN R. MICKELSEN, Ph.D., Instructor in Chemistry, Portland State College.
- FRANCES W. MILLER, M.A., Consultant for the Physically Handicapped, Portland Public Schools.
- VIRON A. MOORE, Ed.D., Assistant Dean, General Extension Division.
- JENNELLE V. MOORHEAD, M.S., Professor of Health Education, General Extension Division.
- CARL V. MORRISON, M.D., Director, Child Guidance Clinic, Portland.
- CHARLES D. NELSON, M.S., Instructor, Speech Clinician, General Extension Division.
- DAVID H. NEWHALL, Ph.D., Associate Professor of Philosophy, Portland State College and Portland Extension Center.
- W. SCOTT NOBLES, Ph.D., Assistant Professor of Speech, University of Oregon.
- DOUGLAS OLDS, M.A., Superintendent, Forest Grove Union High School.
- WILLIAM A. OLIVER, D.Ed., Assistant Superintendent, Portland Public Schools.
- JUSTINE O'REILLY, D. Ed., Supervisor of Home Economics, Portland Public Schools.
- MARY A. O'ROURKE, D.Ed., Professor of Education, State Teachers College, Salem, Massachusetts.
- BEN PADROW, M.S., Instructor in Speech, Portland State College.
- K. ELLSWORTH PAYNE, M.Ed., Assistant Professor of General Science, Portland State College.
- WILLA F. PEACE, D.Ed., Acting Assistant Director, Bureau for Children, Retarded and Mental Development, New York City.
- VERA D. PETERSEN, Ed.D., Associate Professor of Education, Portland State College and Portland Extension Center.
- VICTOR N. PHELPS, D.Ed., Associate Professor of Education, Portland Extension Center and Portland State College.
- LEROY R. PIERSON, Ed.D., Assistant Professor of Education, Portland State College.
- IRVING POLONOFF, Ph.D., Assistant Professor of Philosophy, Portland State College.
- NORMAN J. POWELL, Ph.D., Professor of Government, City College of New York.
- ROBERT F. POWLOSKI, Ph.D., Assistant Professor of Psychology, Portland State College and Portland Extension Center.
- RUTH L. REES, M.Ed., Assistant Professor of Education, Oregon State College.
- WILLIAM D. REVELLI, M.M., Professor of Wind Instruments, Conductor of Bands, University of Michigan.
- PHILIP C. ROBERTI, Ph.D., Assistant Professor of Chemistry, Portland State College and Portland Extension Center.
- FRANK L. ROBERTS, Ph.D., Associate Professor of Speech, Portland State College and Portland Extension Center.
- LYNN S. RODNEY, Ph.D., Associate Professor of Physical Education, University of Oregon.
- KATHRYN ROTRUCK, Instructor in Clothing Construction.
- ALFRED L. SCHMIDT, M.A., Teacher, Special Training Class, Bellflower City Schools, California.
- JOHN A. SCHULZ, Ed.D., Associate Professor of Psychology, General Extension Division.
- RONALD E. SMITH, Ph.D., Assistant Professor of Psychology, Portland State College and Portland Extension Center.
- RONALD O. SMITH, M.A., Supervisor of Social Studies, Portland Public Schools.
- DON S. SOMERVILLE, Ph.D., Associate Professor of Radio Education, General Extension Division.
- ROBERT F. G. SPIER, Ph.D., Assistant Professor of Anthropology, University of Missouri.
- JOHN H. STEHN, M.S., Professor of Music, Portland State College and Portland Extension Center.

MATTHEW R. THOMPSON, Ed.D., Associate Professor of Science, Oregon College of Education.

SIMEON J. TRUDEAU, B.M., Instructor in Music, Portland State College.

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COMMERY WARRELL, M.S., Instructor in Home Economics, Marylhurst College.

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General Extension Division

Administration

JAMES W. SHERBURNE, Ph.D., Dean, General Extension Division.

VIRON A. MOORE, Ed.D., Assistant Dean; Director, State-Wide Services.

JAMES C. CAUGHLAN, Ph.D., Assistant Dean; Director, Portland Extension Center and Portland Summer Session.

DONALD R. LARSON, B.A., Assistant to the Dean; Director, Information Services, and Head, Institute of International Affairs.

HOWARD IMPECOVEN, Ed.D., Registrar, General Extension Division.

LESLIE B. NEWHOUSE, M.B.A., Business Manager, General Extension Division.

JEAN PHYLLIS BLACK, Ph.D., Librarian, General Extension Division.

Portland Extension Center

JAMES C. CAUGHLAN, Ph.D., Assistant Dean; Director.

CLARK SPURLOCK, Ed.D., Assistant Director.

HUGH G. LOVELL, Ph.D., Head, Business and Labor Programs.

ROBERT J. GRIDLEY, Ed.M., Coordinator of Workshops.

Department of State-Wide Services

VIRON A. MOORE, Ed.D., Assistant Dean; Director.

HOWARD J. AKERS, D.Ed., Administrative Assistant; Head, Office of Correspondence Study.

JOHN A. SCHULZ, Ed.D., Field Representative.

CHARLES D. DEAN, Ph.D., Field Representative.

Radio Station KOAC

JAMES M. MORRIS, Ed.D., Program Manager; Coordinator, Educational Television.

Department of Visual Instruction

WILLIAM CURTIS REID, Ph.D., Director.

Institute of International Affairs

DONALD R. LARSON, B.A., Assistant to the Dean; Head.

General Extension Division is the agency of the Oregon State System of Higher Education by which the various institutions comprising the system serve the people of Oregon through resident extension classes, short courses, correspondence study, visual instruction, radio and television programs, summer sessions, and special activities.

Department of State-Wide Services. These services consist of state-wide evening classes, correspondence study courses, conferences, and workshops. Any community in Oregon may become an extension class center if a satisfactory meeting place is provided and sufficient enrollment is guaranteed to cover actual operating costs. A schedule of correspondence courses is available to enable students to continue their program of study when not in residence. Conferences are conducted for business and professional groups. In-service institutes and workshops are organized to assist school districts.

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 Cooperative Extension Service.

Radio Station KOAC. Station KOAC is Oregon's state-owned station of which the State Board of Higher Education is managing agency. The station is located at Corvallis on the campus of Oregon State College, the licensee and operator of the physical plant. General Extension Division directs the program service. Program resources are drawn from Oregon State College, University of Oregon, Portland State College, Oregon College of Education, the two regional colleges, Portland Extension Center and from various departments of state government. Many other public agencies, organizations and individuals contribute frequently to broadcasts. KOAC operates with 5,000 watts power on a frequency of 550 kilocycles by authority of the Federal Communications Commission. The station is operated in the interest of the Oregon public and programs are free from commercialism. Program schedules are issued periodically and will be furnished on request. Studios are located at Corvallis, Eugene, Monmouth, Portland, and Salem. "Tapes for Teaching" are provided for schools of Oregon as a special service.

Portland Extension Center. This activity extends the resources, curricula and facilities of the system's institutions for those students who desire evening classes in the metropolitan area of Portland. This service is continued throughout the academic year and in the Portland Summer Session.

Not authorized to grant degrees, Portland Extension Center, nevertheless, offers a diversified program of related graduate and undergraduate courses in many major fields of study which comprise the curricula at University of Oregon, Oregon State College, Portland State College, Oregon College of Education, and the two regional colleges. Work taken at Portland Extension Center may be applied toward graduation from any of these degree-granting institutions, providing their residence and other individual requirements are satisfactorily met.

In addition to the program of accredited college and university courses designed to meet degree requirements, Portland Extension Center participates with industry, labor, the professions and other organizations in conducting cooperative courses in

specific areas at the professional level. A program of courses concerned with the avocational interests of the community also is maintained.

Legislation which established Portland State College as a degree-granting institution within the system has affected Portland Extension Center only in that six campuses instead of five now are represented.

Portland Extension Center occupies the classroom building at 1620 S.W. Park Avenue, Portland 1, Oregon, which is the mailing address. The telephone number is CApitol 2-3201. Administrative, business and registrar offices are in adjacent buildings.

Portland Summer Session. The summer session is a day-time program only, offering a selection of both graduate and undergraduate courses from University of Oregon, Oregon State College, Oregon College of Education, the two regional colleges, and Portland State College. Particular emphasis is placed on elementary and secondary teacher education.

Institute of International Affairs. The institute serves to effect close cooperation with national, state and civic organizations related to international affairs, and as a distribution point for U. S. State Department and UNESCO publications.

Telecourses. Produced to provide college credit as well as a worthwhile learning experience to non-credit viewers, General Extension Division telecourses are offered in several localities in the state through public service facilities of commercial television outlets.

Oregon State System of Higher Education

JOHN R. RICHARDS, Ph.D., Chancellor

JAMES W. SHERBURNE, Ph.D.
Dean, General Extension Division

AUGUST L. STRAND, Ph.D.
President, Oregon State College

O. MEREDITH WILSON, Ph.D.
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ROY E. LIEUALLEN, Ed.D.
President, Oregon College of Education

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RICHARD L. COLLINS, M.A., C.P.A.....Budget Director
WILLIAM H. CARLSON, M.A.....Director of Libraries

EARL M. PALLETT, Ph.D.....Chairman
High School-College Relations Committee
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

The Department of State-Wide Services

The program of the department of state-wide services includes extension classes outside Portland, in-service teacher education, conferences and workshops, and correspondence study.

Through its program of state-wide extension classes, General Extension Division provides the people of Oregon with opportunities for college instruction and educational growth in their home communities. Courses will be organized in any community which can furnish a suitable meeting place for a class and give assurance of an enrollment large enough to pay, through course fees, the cost of providing an instructor. The state-wide extension program includes both courses for college credit and non-credit courses. Through the department of state-wide services, General Extension Division cooperates in the operation of Central Oregon Community College at Bend, Oregon.

Correspondence study at home under competent supervision is provided through carefully organized courses of instruction prepared by members of the faculties of the Oregon State System of Higher Education. These lesson outlines take the place of lectures and class exercises given to students in residence. More than two hundred courses in a wide variety of subjects are offered. Courses may be taken without credit by persons who enjoy the intellectual stimulus of organized, directed study, or they may be taken for credit toward a college degree. There are no special entrance requirements for correspondence courses; any adult who has sufficient preparation to profit from them may enroll. Complete information is published in a special Correspondence Study Bulletin.

Further information, bulletins, or catalogs may be obtained from the Department of State-Wide Services, General Extension Division, Eugene, Oregon.

Schedule of Classes and Workshops

Portland Summer Session
1957

General Extension Division
Oregon State System of Higher Education

Schedule of Classes

The letter S following a room number indicates State Hall, the new classroom building.

Eight Weeks

8:00 a.m.

Number	Course Title	Instructor	Room
ArE 414.	Art Education in the High School. (G) TuWThF	Donoho	373
BA 222.	Elements of Finance. Daily	Ballaine	104
Bio 201, 202, 203.	General Biology. TuWThF	Malcolm	309
Ch 104, 105, 106.	General Chemistry. Daily	Johnson, Mickelsen	303
Ed 312.	Psychology of Learning and Teaching. (Section I) TuWThF	Malter	105
Ed 314.	Principles of Secondary Teaching. TuWThF	Wolf	101
Ed 410.	Methods and Research Materials: Social Studies. (C) TuWThF	Lee	15S
Ed 424.	Measurement in Education. (G) TuWThF	Schulz	115S
Ed 435.	Audio-Visual Aids. (G) (Section I) TuWThF	Somerville	151S
Ed 440.	History of Education. (G) TuWThF	Guy	106
Ed 464.	The Mentally Deviate Child. (G) MWThF	Schmidt	223S
Ed 476.	Oregon School Law and Organization. (G) TuWF	Meindl	208
Ed 507.	Education Seminar: Arts and Crafts in Special Education. Tu	Schmidt	Eliot
Ed 507.	Education Seminar: Comparative Education. TuWThF	Anderson	57S
Ed 518.	Public and Professional Relations. TuWThF	Jelinek	120
Ed 535.	Social Studies in the Elementary School. TuWThF	Lee	15S
Ed 573.	Public School Organization. TuWThF	Christensen	103
Eng 202.	Shakespeare. TuWThF	Dahlstrom	155S
Eng 388.	Children's Literature and Library. TuWThF	Petersen	216
GL 1, 2.	First-Year German. Daily	Eaton	363S
GS 104, 105, 106.	Physical Science Survey. MTuWTh	Coopey	313
Geog 430.	Geography of South America. (G) TuWThF	Courtney	203
HE 252.	First Aid. TuWThF	Washke	323S
Hst 201.	History of the United States. TuWThF	Kerr	215
Hst 477.	History of the West. (G) TuWThF	Hoffmann	214
Hst 478.	History of the Pacific Northwest. (G) (Section I) TuWThF	Gilmore	110
J 489.	Supervision of School Publications. (g) MTuWTh	Bauer	318
Mth 103.	Analytic Geometry. Daily	Hunt	102
Mus 381.	Music Fundamentals. TuWThF	Gustafson	311S
PE 411.	Physical Education Workshop. (g) TuWThF	Greenslade	Gym
PS 411.	Public Administration. (G) TuWThF	Powell	275S
Psy 201.	General Psychology. TuWThF	Beck	265S
Psy 421.	Principles and Methods of Psychological Assessment. (G) TuWThF	Boyd	255S
R 421.	Religion in Contemporary Society. (g) TuWThF	Hovland	319S
RL 11, 12.	First-Year Spanish. Daily	Dougherty	255S
Soc 206.	General Sociology. TuWThF	James	204
Sp 111.	Fundamentals of Speech. (Section I) TuWThF	Padrow	111
Sp 232.	Group Discussion. TuWThF	Roberts	206
Wr 112.	English Composition. TuWThF	Ford	112
Wr 411.	English Composition for Teachers. (g) TuWThF	Lill	121

9:00 a.m.

AA 311.	Creative Arts and Crafts for the Classroom Teacher. MWThF	Garrison, L.	319
Anth 507.	Seminar: Culture, Society and the Individual. MWThF	Spier	203
BA 111, 112, 113.	Constructive Accounting. MTuWTh	Wiesner	219S
BA 223.	Elements of Marketing. Daily	Lomax	115S
BA 432.	Business Statistics. MWThF	Ballaine	104
Bio 201, 202, 203.	General Biology. TuWThF	Malcolm	309
Ch 104, 105, 106.	General Chemistry. Daily	Johnson, Mickelsen	303
Ch 226, 227.	Organic Chemistry. MTuThF	Roberti, Bumgardner	312
Ed 311.	The School in American Life. MWThF	Guy	106
Ed 344.	Physical Education in the Elementary Grades. MWThF	Greenslade	Gym
Ed 390.	Enriching Children's Reading. MWThF	Petersen	214

Number	Course Title	Instructor	Room
Ed 409.	Psycho-Educational Clinic. (G) TuWThF	Phelps, Bentall	Shattuck
Ed 410.	Methods and Research Materials: Art. (G) MWThF	Donoho	317
Ed 410.	Methods and Research Materials: Language Arts. (G) MWThF	Choate	216
Ed 435.	Audio-Visual Aids. (G) (Section II) MWThF	Somerville	151S
Ed 460.	Administration of Special Education. (G) MWThF	Gubser	215S
Ed 462.	Psychology of Exceptional Children. (G) MWThF	Bennee	101
Ed 507.	Education Seminar: Arts and Crafts in Special Education. Tu	Schmidt	Eliot
Ed 508.	Workshop in Children's Literature. MWThF	Petersen	214
Ed 513.	Evaluation of Classroom Instruction. MWThF	Lee	119S
Ed 522.	Secondary School Curriculum. MWThF	Jelinek	112
Ed 536.	Language Arts in the Elementary School. MWThF	Choate	216
Ed 576.	School Buildings. MWThF	Hummel	120
Eng 304.	Comedy. MWThF	Dahlstrom	155S
Eng 396.	Twentieth-Century Literature. MWThF	Johnson, S.	105
Eng 428.	Chaucer. (G) MWThF	Franchere	357S
GL 1, 2.	First-Year German. Daily	Eaton	363S
GS 104, 105, 106.	Physical Science Survey. MTuWTh	Coopey	313
Geog 105.	Introductory Geography. MWThF	Brooke	208
Hst 202.	History of the United States. MWThF	Gilmore	215
Hst 430.	Renaissance. (G) MWThF	Webb	121
Mth 203.	Differential and Integral Calculus. Daily	Hunt	102
PE 472.	Kinesiology. MWThF	Blesh	319S
PE 515.	History and Theories of Physical Education. MWThF	Washke	323S
Phl 305.	Social Philosophy. MWThF	Newhall	223S
PS 415.	Public Opinion. (G) MWThF	Powell	275S
Psy 202.	General Psychology. MWThF	Powloski	111
Psy 311.	Human Development. (Section I) MWThF	Beck	251S
Psy 424, 425.	Individual Intelligence Testing. (G) MWThF	Boyd	255S
Psy 431.	Industrial Psychology. (g) MWThF	Davis	123S
RL 11, 12.	First-Year Spanish. Daily	Dougherty	255S
Soc 335.	Social Psychology. MWThF	James	204
Sp 507.	Seminar: Discussion and Debate. MWThF	Nobles	175S
Wr 111.	English Composition. MWThF	Lill	103

10:00 a.m.

AA 257.	Lower-Division Jewelry and Metalsmithing. MTuThF	Grimm	317
AA 312.	Creative Arts and Crafts for the Classroom Teacher. MTuThF	Garrison, L.	319
BA 111, 112, 113.	Constructive Accounting. MTuWTh	Wiesner	219S
BA 221.	Elements of Organization and Production. Daily	Matthies	123S
BA 407.	Seminar: Shipping Problems. (G) MTuThF	Lomax	115S
Ch 226, 227.	Organic Chemistry. MTuThF	Roberti, Bumgardner	312
Ec 203.	Principles of Economics. MTuThF	Halley	357S
Ed 357.	Methods in Reading. (Section I) MTuThF	Bingham	103
Ed 358.	Methods in Science and Mathematics. (Section I) MTuThF	Malter	105
Ed 359.	Methods in Language Arts and Social Studies. (Section I) MTuThF	Choate	216
Ed 409.	Psycho-Educational Clinic. (G) TuWThF	Phelps, Bentall	Shattuck
Ed 468.	Diagnostic and Remedial Instruction in Reading. (G) MTuThF	Bennee	101
Ed 490.	Educational Sociology. (G) MTuThF	Bernard	121
Ed 507.	Education Seminar: Arts and Crafts in Special Education. TuTh	Schmidt	Eliot
Ed 507.	Education Seminar: Administration of the Small School System. MTuThF	Christensen	111
Ed 508.	Workshop: Laboratory Class for the Mentally Retarded. MWF	Peace	Eliot
Ed 526.	High-School Counseling. MTuThF	Matlock	151S
Ed 546.	Philosophy of Education. MTuThF	Hanson	110
Ed 553.	Elementary School Curriculum. MTuThF	Dean	213
Ed 574.	School Supervision. MTuThF	Leavitt	102
Eng 107.	World Literature. MTuThF	Boggs	104
Eng 262.	Survey of American Literature. MTuThF	Ford	112
GS 101, 102, 103.	Biological Science Survey. MTuWTh	Coopey	314
GS 104, 105, 106.	Physical Science Survey. MTuWTh	Coopey	313
Geog 106.	Introductory Geography. MTuThF	Courtney	208
Geog 301.	Geography of the Pacific Northwest. MTuThF	Brooke	203
Hst 203.	History of the United States. MTuThF	Kerr	215
Hst 445.	Europe Since 1939. (g) MTuThF	Webb	204
Hst 469.	Twentieth-Century England. (g) MTuThF	Hoffmann	214
Hum 511.	Contemporary Developments in the Humanities. MTuThF	Bierman	120

Number	Course Title	Instructor	Room
Mth 100.	Intermediate Algebra. Daily	Flanagan	307S
Mus 383.	Music Fundamentals (Methods for Classroom Teachers). MTuThF	Gustafson	311S
Mus 436.	Applied Theory. (G) MTuThF	Stehn	315S
PE 180.	Physical Education. MTuThF	Holland	Gym
PE 190.	Physical Education. MTuThF	Holland	Gym
PE 412.	Physical Education Workshop. (g) MTuThF	Holland	Gym
PE 444.	Tests and Measurements in Physical Education. (G) MTuThF	Blesh	319S
PS 203.	American Governments. MTuThF	Dixon	223S
Psy 345.	The Psychology of Motivation. MTuThF	Smith	363S
Psy 507.	Seminar: Theory of Personality. MTuThF	Beck, Powloski	275S
Psy 520.	Psychology of Learning. MTuThF	Garrison, K.	155S
R 462.	History of Great Religions. MTuThF	Hovland	323S
Soc 407.	Seminar: Family Life Education. (G) MTuThF	Drum	119S
Sp 111.	Fundamentals of Speech. (Section II) MTuThF	Nobles	215S
Sp 411.	Speech for the Classroom Teacher. MTuThF	Padrow	206

11:00 a.m.

AA 313.	Creative Arts and Crafts for the Classroom Teacher. MTuWF	Donoho	319
Anth 207.	Introduction to Cultural Anthropology. MTuWF	Spier	101
BA 111, 112, 113.	Constructive Accounting. MTuWTh	Wiesner	219S
Ed 389.	Reading and Telling Children's Stories. MTuWF	Petersen	213
Ed 451.	Pre-Primary Education. (G) MTuWF	Bingham	103
Ed 455.	Primary Education Workshop: Teaching in the Self-Contained Class-room. (G) MTuWF	O'Rourke	119S
Ed 459.	Intermediate and Upper-Grade Workshop: Teaching in the Self-contained Classroom. (G) MTuWF	O'Rourke	119S
Ed 463.	The Maladjusted Child. (G) MTuWF	Smith	251S
Ed 467.	Applied Mental Hygiene. (G) MTuWF	Bernard	123S
Ed 469.	Reading in High School and College. (G) MTuWF	Phelps	216
Ed 507.	Education Seminar: Arts and Crafts in Special Education. TuTh	Schmidt	Eliot
Ed 507.	Education Seminar: Reading and Telling Children's Stories. MTuWF	Petersen	213
Ed 508.	Workshop: Laboratory Class for the Mentally Retarded. MWF	Peace	Eliot
Ed 512.	Research Procedures in Education. MTuWF	Staff	111
Ed 523.	School Activities Program. M TuWF	Pierson	307S
Ed 543.	History of American Education. MTuWF	Guy	215S
Ed 566.	Curriculum Construction. MTuWF	Jelinek	175S
Ed 575.	School Finance. MTuWF	Christensen	102
Eng 102.	Survey of English Literature. MTuWF	Lill	121
Eng 108.	World Literature. MTuWF	Boggs	104
Eng 302.	The Prose Tradition in English Literature. MTuWF	Bierman	120
Eng 392.	American Novel. MTuWF	Ford	112
Eng 430.	Literature of the Renaissance. (g) MTuWF	Dahlstrom	155S
GL 101, 102, 103.	Second-Year German. Daily	Eaton	363S
GS 101, 102, 103.	Biological Science Survey. MTuWTh	Payne	314
Geog 107.	Introductory Geography. MTuWF	Courtney	208
HE 150.	Health Education. MTuWF	Greenslade	115S
HE 250.	Personal Health. MTuWF	Greenslade	115S
Hst 350.	Hispanic America. MTuWF	Hoffmann	214
Hst 461.	History of American Thought and Culture. (g) MTuWF	Kerr	215
Hst 478.	History of the Pacific Northwest. (G) (Section II) MTuWF	Gilmore	110
Mth 10.	Elements of Algebra. Daily	Jenkins	313
Mth 425.	Elements of Statistical Methods. (g) MTuWF	Hunt	203
Mus 382.	Music Fundamentals. MTuWF	Albertson	311S
PE 180.	Physical Education. MTuWF	Holland	Gym
PE 190.	Physical Education. MTuWF	Holland	Gym
PE 413.	Physical Education Workshop. (g) MTuWF	Holland	Gym
PE 516.	Intramural Organization and Management. MTuWF	Washke	323S
Phl 201.	Elementary Logic. MTuWF	Newhall	223S
PS 507.	Seminar: Personnel Administration in Government. MTuWF	Powell	275S
Psy 311.	Human Development. (Section II) MTuWF	Lee	106
Psy 411.	Mental Hygiene. (g) MTuWF	Bernard	123S
Psy 450.	Abnormal Psychology. (G) MTuWF	Smith	251S
R 211.	The New Testament and Its Historical Background. MTuWF	Hovland	319S
RL 1, 2.	First-Year French. Daily	Dougherty	213
SS 111.	Stenography. MTuWF	Backlund	308
Soc 431.	Community Structure and Organization. (G) MTuWF	James	204
Sp 371.	Speech Science. MTuWF	Roberts	206
Wr 113.	English Composition. MTuWF	Johnson, S.	105

12:00 m.

Number	Course Title	Instructor	Room
Anth 314.	Peoples of the World. MTuWTh	Spier	120
BA 238.	Salesmanship. MTuWTh	Matthies	123S
BA 428.	Manufacturing. (G) Daily	Lomax	115S
Ec 411.	Comparative Economic Systems. MTuWTh	Halley	357S
Ed 407.	Workshop: Creative Crafts for Children. MTuWTh	Garrison, L.	373
Ed 410.	Methods and Research Materials: Arithmetic. (G) MTuWTh	Leavitt	102
Ed 410.	Methods and Research Materials: Reading. (G) MTuWTh	Choate	216
Ed 484.	Junior High School. (G) MTuWTh	Pierson	104
Ed 485.	Principles and Practices of Guidance Services. (G) MTuWTh	Matlock	106
Ed 507.	Education Seminar: Social Studies in School Curriculum. MTuWTh	Hanson	175S
Ed 537.	Reading in the Elementary School. MTuWTh	Choate	216
Ed 538.	Mathematics in the Elementary School. MTuWTh	Leavitt	102
Ed 552.	Elementary-School Problems. MTuWTh	Dean	214
Ed 561.	Advanced Educational Psychology. MTuWTh	Garrison, K.	323S
Ed 573.	Public School Administration. MTuWTh	Oliver	103
Eng 105.	Appreciation of Literature. MTuWTh	Johnson, S.	105
Geog 432.	Geography of Africa. (G) MTuWTh	Brooke	203
Hst 101.	History of Western Civilization. MTuWTh	Webb	110
Hst 449.	Eastern Europe. (g) MTuWTh	Dmytryshyn	121
Mth 102.	Plane Trigonometry. Daily	Flanagan	307S
Mus 433.	Advanced Conducting. (G) MTuWTh	Stehn	457S
PE 521.	Basic Procedures in Corrective Physical Education. MTuWTh	Blesh	319S
Phl 202.	Problems of Philosophy. MTuWTh	Newhall	223S
Phl 471.	Philosophy of Science. (G) MTuWTh	Polonoff	204
PS 433.	American Political Theory. (G) MTuWTh	Dixon	219S
Psy 460.	Developmental Psychology I: Infancy and Childhood. (g) MTuWTh	Bennee	101
Psy 519.	Research Studies in Child Development. MTuWTh	Beck	206
Psy 521.	Systematic Psychology. MTuTh	Powloski	275S
RL 1, 2.	First-Year French. Daily	Dougherty	213
SEd 481.	Alcohol Studies in the School Curriculum. (G) MTuWTh	Ferrier	111
SS 121.	Typing. Daily	Backlund	307
Soc 417.	Criminology and Delinquency. (G) MTuWTh	Drum	119S
Sp 111.	Fundamentals of Speech. (Section III) MTuWTh	Nobles	215S

12:30 p.m.

Ch 104, 105, 106.	General Chemistry. Daily	Johnson, C., Mickelsen	303
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1:00 p.m.

BA 425.	Real-Estate Fundamentals. (G) TuWThF	Matthies	363S
Bio 201, 202, 203.	General Biology. TuWThF	Malcolm	309
Ec 201.	Principles of Economics. TuWThF	Halley	103
Ed 312.	Psychology of Learning and Teaching. (Section II) TuWThF	Bernard	123S
Ed 331.	The Crippled and Low-Vitality Child. MTuWTh	Miller	105
Ed 351.	Health Education in the Elementary Grades. TuWThF	Holland	Gym
Ed 357.	Methods in Reading. (Section II) TuWThF	O'Rourke	119S
Ed 358.	Methods in Science and Mathematics. (Section II) TuWThF	Leavitt	102
Ed 359.	Methods in Language Arts and Social Studies. (Section II) TuWThF	Bingham	103
Ed 461.	Psychology of Reading Instruction. (G) TuWThF	Phelps, Bentall	216
Ed 507.	Education Seminar: Curriculum and Methods for Teaching Mentally Retarded. MWThF	Peace	Eliot
Ed 554.	Elementary School Supervision and Administration. TuWThF	Dean	214
Ed 565.	Curriculum Foundations. TuWThF	Hanson	107S
Ed 577.	Counselor Training: Group Procedures. TuWThF	Matlock	151S
Eng 488.	Literature for Teachers. (g) TuWThF	Boggs	104
GS 101, 102, 103.	Biological Science Survey. MTuWTh	Payne	314
HE 450.	Elementary-School Health Education. (g) TuWThF	Holland	101
Hst 448.	Soviet Union. (G) TuWThF	Dmytryshyn	121
Mth 111.	Mathematics for Elementary Teachers. TuWThF	Flanagan	106
Mth 311.	Foundations of Mathematics. TuWThF	Flanagan	106
Mus 397.	Choral Union. TuWThF	Albertson	457S
Mus 433.	Choral Conducting in the Elementary Grades. TuWThF	Albertson	457S

Number	Course Title	Instructor	Room
Phl 203.	Elementary Ethics. TuWThF	Polonoff	204
PS 482.	The Legislature in American Government. (G) TuWThF	Dixon	219S
Psy 204.	Psychology of Adjustment. TuWThF	Smith	251S
Psy 461.	Developmental Psychology II: Adolescence and Maturity. (g) TuWThF	Garrison, K.	323S
SEd 598.	Science Curriculum in Secondary Schools. TuWThF	Ferrier	111
Soc 338.	Marriage and the Family. TuWThF	Drum	115S
Sp 370.	Phonetics. TuWThF	Casteel	215S
Sp 482.	Speech Defects and Disorders. (G) TuWThF	Lillywhite,	
		Nelson	255S

2:00 p.m.

Bio 201, 202, 203.	General Biology, TuWThF	Malcolm	309
Ed 415.	Student Teaching (Elementary). Th	Hartley	Shattuck
Ed 416.	Student Teaching (Secondary). TuTh	Anderson	208
Ed 493.	Observation and Evaluation of Teaching. (G) TuTh	O'Rourke	275S
Sp 481.	Speech Defects and Disorders. (G) MWThF	Lillywhite,	
		Nelson	255S

3:00 p.m.

Ed 415.	Student Teaching (Elementary). Th	Hartley	Shattuck
Ed 416.	Student Teaching (Secondary). TuTh	Anderson	208
Ed 493.	Observation and Evaluation of Teaching. (G) TuTh	O'Rourke	275S

One Week

Ed 011.	Junior College Workshop (August 19-23) Daily, 9:30 to 12:00 and 1:30 to 3:00	Moore,	115S
		Martorana	
Ed 407.	Seminar: Workshop in Conservation and Outdoor Education for Elementary and Secondary Teachers.	Hopson,	Hoodoo
		Gridley,	Ski
Ed 508.	Workshop: Conservation and Outdoor Education for Elementary and Secondary Teachers. (Section I: July 28-August 3 Section II: August 4-August 10)	and Staff	Bowl
Ed 407.	Parent-Teacher Organization. (August 12-16) Daily, 9:30 to 12:00 and 1:00 to 3:00	Moorhead	107S
Ed 508.	Workshop: Reading (August 12-16) Daily, 9:00 to 12:00 and 1:00 to 3:00	Phelps,	211S
		Petersen,	
Ed 508.	Adolescent Problems Workshop (July 8-12) Daily, 9:30 to 12:00 and 1:00 to 3:00	Iverson, and Staff	57S
		Morrison,	
IE 412.	Driver Education and Training (August 19-23) Daily, 8:00 to 12:00 and 1:00 to 5:00	Staff	111S
IE 507.	Seminar: Advanced Course in Driver Education (August 26-30) Daily, 8:00 to 12:00 and 1:00 to 5:00	Staff	111S
MuE 407.	Seminar: Band Techniques. (G) (August 26-31) plus two eve. mtgs. Daily, 8:00 to 12:00 and 1:00 to 3:00	Revelli,	457S
		Stehn	

Two Weeks

BA 012.	Workshop for Union Representatives (June 3-June 14) Daily, 8:00 to 10:00	Lovell	To be assigned
CT 408, 508.	Workshop: Bishop Method of Clothing Construction. (August 12-23)	Ingalls,	Franklin
		Rotruck	
MuE 407.	Seminar: Music for Intermediate and Junior High School. (G) (August 19-30) Daily, 9:30 to 11:30 and 1:00 to 2:30	Freeburg	311S
Sp 001.	Seminar: Teaching of Speech on the Secondary Level. (August 12-23) Daily, 9:30 to 11:30 and 1:00 to 2:30	Roberts,	19S
		Padrow	

Three Weeks

Number	Course Title	Instructor	Room
BA 011.	Seminar: Human Relations in the Smaller Business (July 15-August 2) Daily, 8:00 to 10:00	Lovell	315S
BA 407.	Seminar: Human Relations in the Smaller Business. (G) (July 15-August 2) Daily, 8:00 to 10:00	Lovell	315S
Ed 508.	Workshop: Curriculum (June 24-July 12)	Curry	Girls Polytechnic
Ed 508.	Workshop: Bill of Rights Education (June 24-July 12)	Bierman	Girls Polytechnic

Four Weeks

Ed 380.	Elementary-School Library (July 15-August 9) MTuWTh, 12:00 to 2:00	Chester	213
Ed 410.	Methods and Research Materials: Science. (G) (June 17-July 12) MTuWTh, 11:00 to 1:00	Hopson	314
Ed 508.	Workshop: Economic Education (June 19-July 12) Daily, 9:15 to 12:00 and 1:15 to 4:15	Wolf, Malter, Ballaine, Lovell, Smith Olds,	207S
		Thompson,	Portland Air Base
Ed 508.	Aviation Education Workshop (July 15-August 10) Daily, 8:00 to 12:00 and 1:00 to 4:00	Cody	
Ed 511.	Recent Educational Trends and Problems (July 15-August 9) TuWThF, 8:00 to 10:00	Curry	207S
Ed 534.	Science in the Elementary School (June 17-July 12) MTuWTh, 11:00 to 1:00	Hopson	314
G 352.	Geology of Oregon (June 17-July 12) MTuWTh, 8:00 to 10:00	Hopson	7S
PE 406.	Workshop: Dance (June 17-July 12) MTuWTh, 3:00 to 5:00	Jenne	Gym

Six Weeks

AA 255.	Lower-Division Ceramics (June 17-July 26) MTuWTh, 1:00 to 4:00	Grimm	Art Museum
AA 290.	Lower-Division Painting (June 17-July 26) MTuWTh, 9:00 to 12:00	Loew	Art Museum
PE 406, 506.	Workshop: Camping Education and Recreation (June 17-July 26) Daily, 9:00 to 12:00	Rodney, Westcott	107S

Nine Weeks

(Ph 101, 102, 103.	Engineering Physics	Walton	
(Ph 201, 202, 203.	General Physics (June 17-August 16) Lecture: Daily, 9:00 to 11:00 Laboratory: MTuWTh, 1:00 to 4:00	Walton	2 3

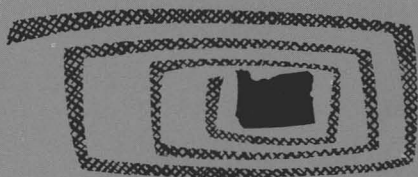
PORTLAND SUMMER SESSION
1620 S.W. PARK AVENUE
PORTLAND 1, OREGON

Please send additional information concerning the following workshops as indicated:

- ☐ Aviation Education. ☐ Economic Education. ☐ Curriculum.
☐ Television. ☐ Camping Education and Recreation. ☐ Dance.
☐ Bill of Rights Education. ☐ Adolescent Problems. ☐ Reading.
☐ Band Techniques. ☐ Music in the Elementary Grades.
☐ Conservation and Outdoor Education.

NAME

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