

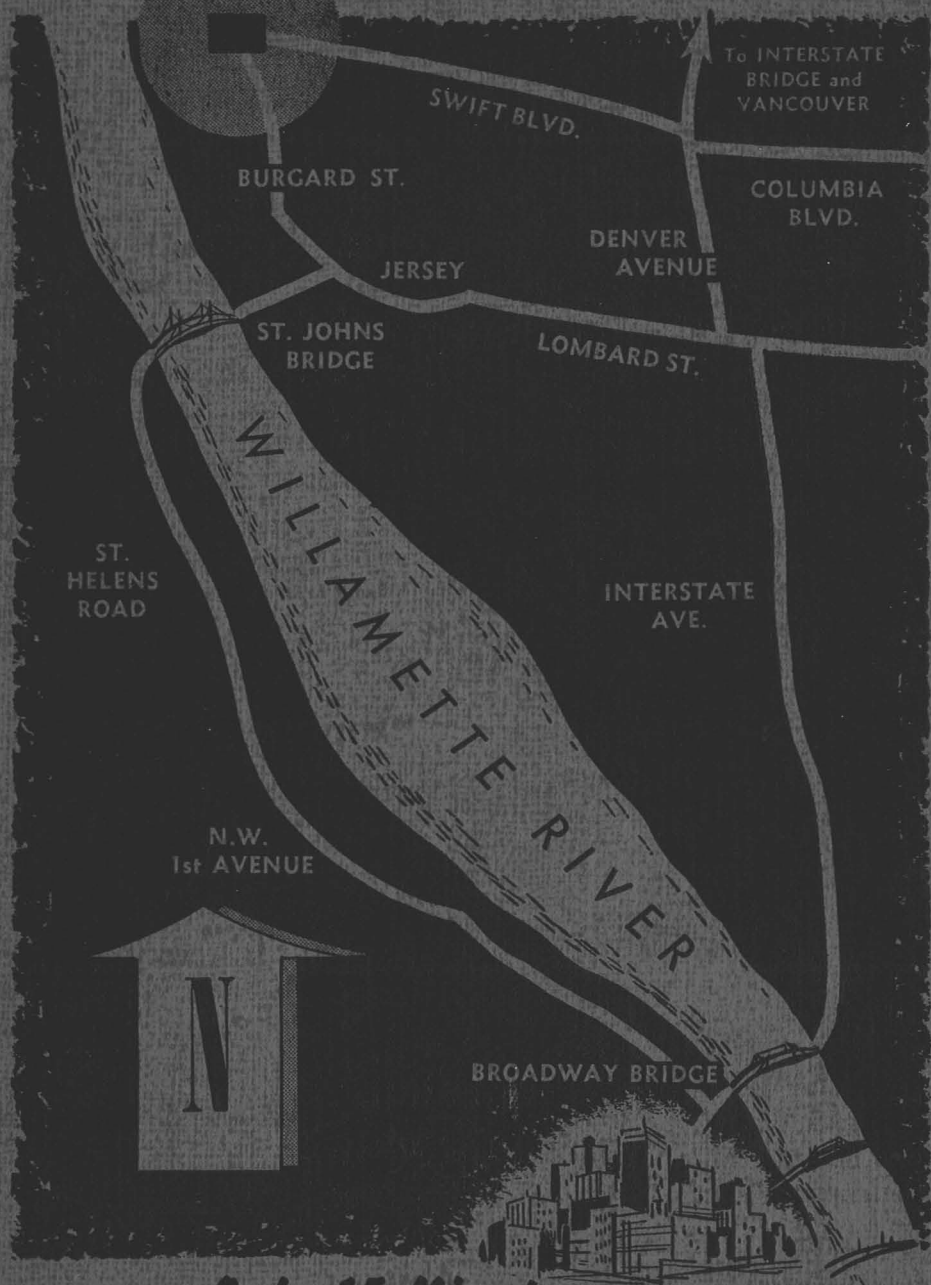
# Vanport Extension Center

Catalog Issue  
1948-49



Portland 3, Oregon

# VANPORT EXTENSION CENTER



*Only 15 Minutes  
from Downtown Portland*

# Vanport Extension Center

Representing the

UNIVERSITY OF OREGON  
OREGON STATE COLLEGE  
OREGON COLLEGE OF EDUCATION  
SOUTHERN OREGON COLLEGE OF EDUCATION  
EASTERN OREGON COLLEGE OF EDUCATION

## CATALOG

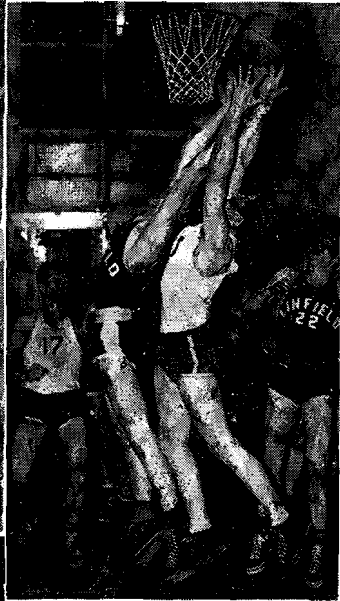
### 1948-49

Telephone: UNiversity 1605  
Portland 3, Oregon

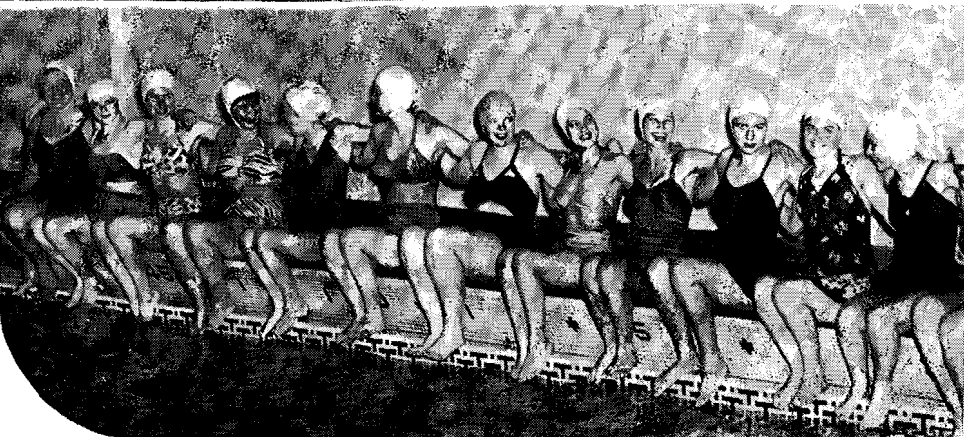


**VANPORT EXTENSION CENTER**  
Serves a Metropolitan Area

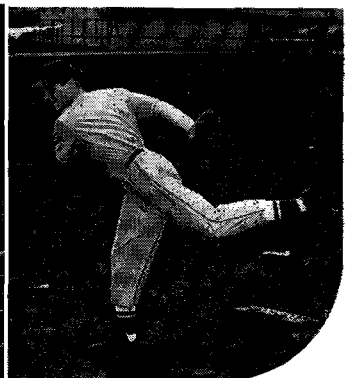
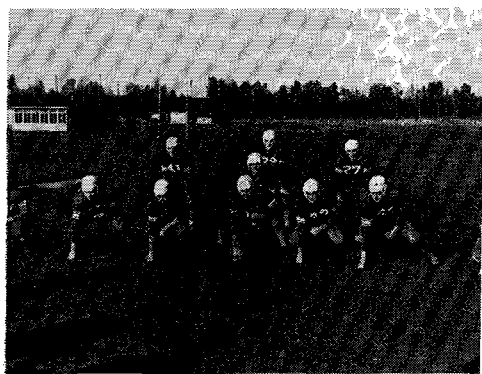
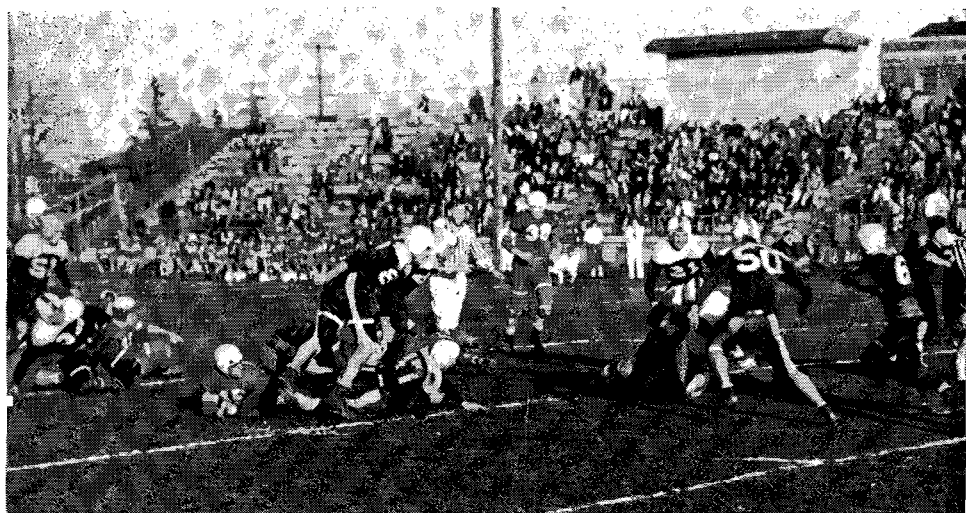
# Athletic



Varsity sports with first-class equipment, a fine coaching staff, and intramural competition, as well, for both men and women. Vanport teams rate well in the collegiate leagues—successful in competition, healthy in activity.



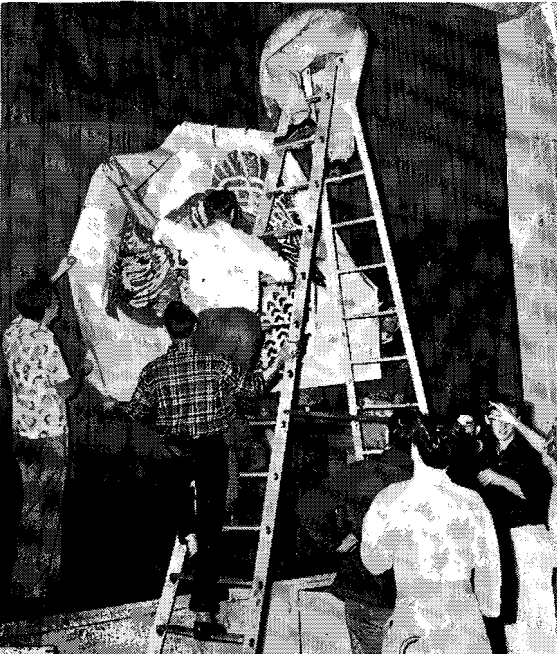
# Play a Major Part at Vanport





## Social Activities

A regular schedule of parties, informal as well as formal, adds enjoyment to life at Vanport Extension Center.



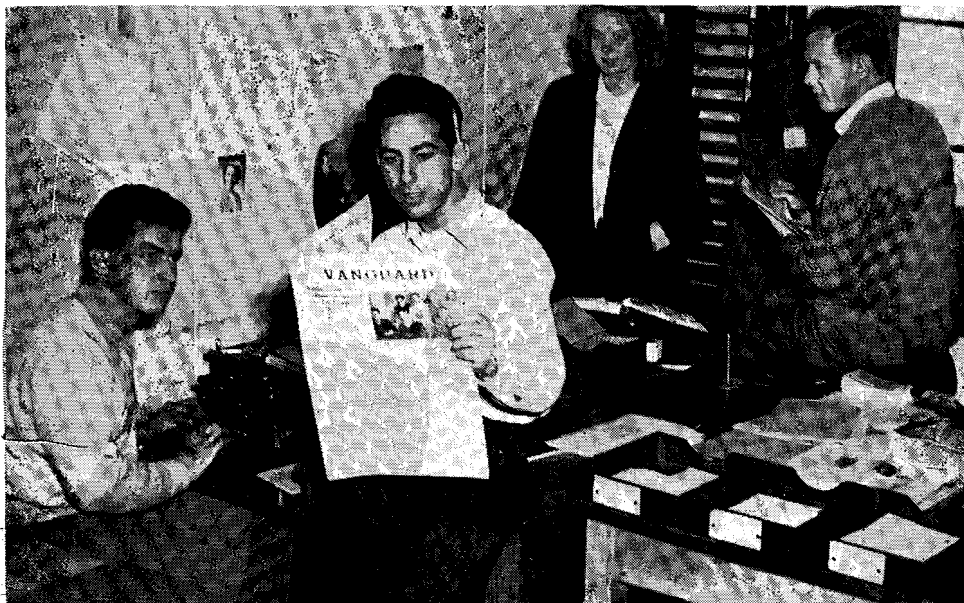
# Drama and Music

Opening night—  
without a hitch,  
for practice makes perfect.



Professional training for those who wish it, poise and enjoyment for all—in the drama and music departments of Vanport.

Rehearsals for the mixed chorus result in performances of uniformly high quality.



## Student Publication

Proud, indeed, are those on the *Vanguard* staff, where practice training under expert guidance and actual working conditions prepares for editorial and advertising futures.

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|                                      | Term Expires |
|--------------------------------------|--------------|
| HERMAN OLIVER, John Day.....         | 1949         |
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Office of the State Board of Higher Education  
Eugene, Oregon

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## Dean's Message

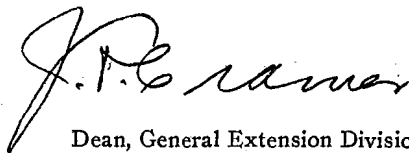
The Vanport Extension Center of the Oregon State System of Higher Education opened its doors in June 1946 as part of the program of the state to meet its share of the national emergency in higher education resulting from the increased demand of veterans and non-veterans for instruction at the college level. The Center has been open to nonveterans from the beginning. During its first full year of operation, nearly 2,000 students took courses. The year 1947-48 saw a further increase in enrollment.

The Vanport Extension Center operates as a daytime school with a limited number of evening classes. Credits secured at Vanport may be transferred as residence credit to the University of Oregon, Oregon State College, or any of the Oregon colleges of education. The courses offered are identical with those available in lower-division fields in other units of the State System. Courses for freshmen and sophomores are offered in liberal arts, sciences, business administration, engineering, and other fields.

Out-of-state residents and nonveterans are accepted as students at the Vanport Extension Center if they meet the standard requirements of the Oregon State System of Higher Education. Out-of-state Vanport students are admitted to the other units of the State System in accordance with their established rules for all nonresidents of Oregon.

Excellent classroom and laboratory equipment is provided, as well as library and recreational facilities. The Center's interest in the individual student reaches beyond the classroom to provide personal, educational, and vocational guidance.

The instructional program is integrated as much as possible with the cultural resources of the city of Portland to provide superior educational opportunities. The Center, through its educational program, strives to provide the students with the high-quality service which has long been a tradition of the institutions of the Oregon State System of Higher Education.



Dean, General Extension Division

1948

September 1948

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October 1948

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November 1948

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December 1948

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January 1949

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February 1949

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March 1949

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ACADEMIC CALENDAR

Fall Term 1948-49

Sept. 16, *Thursday*.....Placement examinations  
for new students

Sept. 17, *Friday*.....Advisement for new students

Sept. 20, *Monday*, 9 a.m.-4 p.m.....Registration  
for former students

Sept. 21-22, *Tuesday and Wednesday*, 9 a.m.-4 p.m. ....Registration

Sept. 23, *Thursday*.....Classes begin

October 9, *Saturday*.....Registration closes; last  
day for change of courses, addition of new  
courses, or dropping of a course without receiving "F"

Nov. 25-28, *Thursday to Sunday*..Thanksgiving  
vacation

Nov. 29, *Monday*.....Last day for withdrawing  
from college without receiving "F"

Dec. 6-11, *Monday to Saturday*.....Final  
examination

VANPORT EXTENSION CENTER

Winter Term 1948-49

Jan. 3, *Monday*, 9 a.m.-4 p.m.....Registration

Jan. 4, *Tuesday*.....Classes begin

Jan. 15, *Saturday*.....Registration closes;  
last day for change of courses, addition of  
new courses, or dropping of a course with-  
out receiving "F"

Mar. 4, *Friday*.....Last day for withdrawal  
from college without receiving "F"

Mar. 14-19, *Monday to Saturday* .....Final examinations

Spring Term, 1948-49

Mar. 21, *Monday*, 9 a.m.-4 p.m.....Registration

Mar. 22, *Tuesday*.....Classes begin

Apr. 1, *Saturday*.....Registration closes;  
last day for change of courses, addition of  
new courses, or dropping a course with-  
out receiving "F"

May 14, *Saturday*...Last day for withdrawing  
from college without receiving "F"

May 19, *Thursday*.....Third anniversary  
ceremonies

May 30, *Monday*.....Holiday (Memorial Day)

May 31-June 4, *Tuesday through Saturday*.....Final examinations

1949

April 1949

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May 1949

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June 1949

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July 1949

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August 1949

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September 1949

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October 1949

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| 30 | 31 |    |    |    |    |    |

# Oregon State System of Higher Education

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Dean, University of Oregon Medical  
School

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President, Oregon College of Educa-  
tion

ELMO NALL STEVENSON, Ed.D.  
President, Southern Oregon College  
of Education

ROBEN JOHN MAASKE, Ph.D.  
President, Eastern Oregon College of  
Education

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HENRY EUGENE STEVENS, D.Ed. .... Assistant Director of General Extension

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DEAN ANDERSON ..... Executive Secretary

# Vanport Extension Center

Oregon State System of Higher Education

## Faculty\*

- PAUL C. PACKER, Ph.D.**, Chancellor, Oregon State System of Higher Education.  
B.A. (1918), Iowa; M.A. (1921), Michigan; Ph.D. (1923), Columbia; LL.D. (1938), Cornell.
- JOHN FRANCIS CRAMER, D.Ed.**, Dean and Director, General Extension; Director of Summer Sessions, Oregon State System of Higher Education.  
A.B. (1920), M.A. (1921), Willamette; M.Ed. (1932), D.Ed. (1937), Oregon.
- HENRY EUGENE STEVENS, D.Ed.**, Assistant Director, General Extension; Graduate Adviser, Portland Extension Center.  
B.S. (1936), D.Ed. (1940), Oregon.
- STEPHEN E. EPLER, Ph.D.**, Director, Vanport Extension Center.  
B.A. (1932), Cotner College; M.A. (1933), Nebraska; Ph.D. (1943), Columbia.
- PHIL H. PUTNAM, D.Ed.**, Assistant Director, Vanport Extension Center.  
B.S. (1931), Black Hills Teachers; M.S. (1937), Oregon; D.Ed. (1948), Stanford.
- CLIFFORD L. CONSTANCE, M.A.**, Registrar, University of Oregon and Vanport Extension Center.  
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- JEAN P. BLACK, Ph.D.**, Librarian; Assistant Professor.  
B.A. (1924), Mount Holyoke; M.A. (1925), Ph.D. (1928), Michigan; B.S. in L.S. (1932), Washington.
- JOSEPH V. HOLLAND, M.Ed.**, Athletic Director; Assistant Professor.  
B.A. (1941), M.Ed. (1946), Willamette.
- RICHARD B. HALLEY, M.S.**, Men's Adviser; Assistant Professor.  
B.S. (1938), M.S. (1940), Oregon.
- KATHERINE M. RAHL, M.A.**, Social Director and Women's Adviser; Instructor.  
B.A. (1935), College of Wooster; M.A. (1939), New York.
- LESLIE B. NEWHOUSE, M.B.A.**, Business Manager; Instructor in Business Administration.  
B.A. (1930), M.B.A. (1932), Oregon.
- MARGARET C. HOLLAND, B.A.**, Office Manager.  
B.A. (1936), Oregon.
- LESTER EGGLESTON**, Superintendent of Buildings and Maintenance.
- 
- VAUGHAN ALBERTSON, M.A.**, Assistant Professor of English.  
B.A. (1928), Rice Institute; M.A. (1930), Columbia.
- MARION ARNETT, B.A.**, Instructor in Secretarial Science and Spanish.  
B.A. (1929), Oregon.
- HOWARD BACKLUND, B.A.**, Instructor in English.  
B.A. (1937), Oregon.

\* Includes 1947-48 faculty.

- ARBA L. AGER, M.Ed., Instructor in Physical Education and Education.  
B.S. (1941), M.Ed. (1948), Oregon.
- ROGER BAILEY, Instructor in Journalism.
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B.A. (1925), M.A. (1947), Cambridge.
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- GREER CASPER, Instructor in Machine Shop.
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B.A. (1933), Oregon; M.A. (1942), Washington.
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B.S. (1929), Oregon.
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B.A. (1912), Southwestern College; M.A. (1913), Kansas.
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B.S. (1940), M.S. (1942), Oregon State.
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- ALBERT GIBSON, B.S., Instructor in Engineering.  
B.S. (1911), Oregon State.
- ALVA W. GRAHAM, D.Ed., Instructor in Psychology.  
B.S. (1927), M.A. (1934), Northwestern; D.Ed. (1946), Oregon.
- RALPH GREILING, B.S., Instructor in Engineering.  
B.S. (1942), Oregon State.

- PAUL W. HELLER, B.S., Instructor in Physics.  
B.S. (1920), Coe.
- GEORGE C. HOFFMANN, M.A., Assistant Professor of Political Science; Head of Social Science Department.  
A.A., (1938), Los Angeles City College; B.A. (1939), M.A. (1940), Southern California.
- EMERSON E. HOOGSTRAAT, B.S., Instructor in Economics.  
B.S. (1946), Oregon.
- C. A. HUBBARD, D.Sc., Assistant Professor of Zoology.  
B.Ed. (1921), M.Ed. (1930), M.S. (1931), Washington; D.Sc. (1932), Pacific.
- MORRIS S. ISSEKS, M.A., Instructor in Political Science.  
B.A. (1934), Arkansas; M.A. (1936), Minnesota.
- JOHN F. JENKINS, B.S., Assistant Professor of Mathematics.  
B.S. (1932), Linfield.
- CLYDE R. JOHNSON, Ph.D., Instructor in Chemistry.  
B.A. (1925), Reed College; M.A. (1929), Ph.D. (1930), Rice Institute.
- FRANCES W. JONASSON, B.S., Instructor in Household Administration.  
B.S. (1922), Oregon State.
- RAYMOND D. JONES, Instructor in Forging and Welding.
- NORMAN W. KARR, M.D., Ph.D., Instructor in Chemistry.  
A.B. (1938), California; M.S. (1940), M.D. (1945), Ph.D. (1945), California, Medical School.
- ERWIN F. LANGE, M.S., Assistant Professor of Chemistry.  
B.A. (1933), Willamette; M.S. (1936), Oregon.
- RAY L. LAPHAM, M.A., Assistant Professor of English.  
B.A. (1919), Reed; M.A. (1925), Oregon.
- KENNETH E. LEE, Instructor in Machine Shop.
- GENE E. LEO, B.B.A., C.P.A., Instructor in Business Administration.  
B.B.A. (1945), Oregon.
- ELLA G. LITCHFIELD, M.A., Assistant Professor of English.  
B.Ed. (1932), Mankato State Teachers; M.A. (1934), Minnesota.
- \*RAYMOND LOCKWOOD, B.S., Assistant Professor of Engineering; Head of Department.  
B.S. (1943), Oregon State.
- CLIFFORD E. MASER, Ph.D., Dean, School of Business and Technology; Professor of Business Administration, Oregon State College.  
A.B. (1934), Swarthmore; D.K. (1935), Ph.D. (1936), Cologne.
- ROBERT N. MERZ, M.A., Assistant Professor of Sociology.  
B.A. (1936), Detroit Institute of Technology; A.M. (1937), Wayne; A.M. (1941), Chicago.
- MICHAEL NIELSEN, Instructor in Forging and Welding.
- BERGER W. NORDLIEN, Instructor in Electrical Engineering.
- HAROLD OAKES, Instructor in Machine Shop.
- CAROL K. O'ROURKE, B.S., Instructor in Journalism.  
B.S. (1939), Montana State.

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\*Transferred to Oregon State College, 1948-49.

- PHILIP H. OVERMEYER, Ph.D., Visiting Professor of Economics.**  
B.S. (1931), M.S. (1936), Oregon; Ph.D. (1939), Minnesota.
- DONALD D. PARKER, M.B.A., Assistant Professor of Business Administration.**  
B.A. (1941), Linfield; M.B.A. (1942), Northwestern.
- K. ELLSWORTH PAYNE, B.A., Instructor in Chemistry.**  
B.A. (1947), Brigham Young.
- CORINNE POUTEAU, Bachelière-ès-Lettres, Instructor in French.**  
Bachelière-ès-Lettres (1914), Alençon.
- THOMAS PURCELL, Instructor in Journalism.**
- FRANK L. ROBERTS, Ph.M., Assistant Professor of English and Speech; Head of Department.**  
B.A. (1938), Pacific; Ph.M. (1943), Wisconsin.
- RUTH S. SEVERSON, B.S., Instructor in Secretarial Science.**  
B.S. (1939), Oregon State.
- THOMAS A. SHOTWELL, M.S., Instructor in Physics.**  
B.Sc. (1917), Linfield; M.S. (1931), Oregon.
- RICHARD E. SMITH, B.S., Assistant Professor of Engineering; Head of Department.**  
B.S. (1941), Oregon State.
- EMMA STANTON, M.S., Instructor in Mathematics.**  
B.A. (1933), St. Xavier; M.S. (1938), Chicago.
- CARL VREELAND, B.S., Instructor in Business Administration.**  
B.S. (1925), Oregon.
- RICHARD B. WALTON, B.A., Assistant Professor of Physics.**  
B.A. (1943), Oregon State.
- CATHERINE M. WEAVER, M.A., Assistant Professor of English.**  
A.B. (1918), Michigan; M.A. (1929), Texas Christian.
- DONALD V. WEAVER, A.B., Instructor in Mathematics.**  
A.B. (1925), Harvard.
- HILDEGARD WEISS, M.A., Assistant Professor of English.**  
B.A. (1940), La Verne; M.A. (1946), California.
- CLARENCE WICK, B.S., Instructor in Architecture.**  
B.S. (1931), Oregon.
- WARREN W. WILCOX, Ph.D., Assistant Professor of Psychology.**  
A.B. (1924), Dakota Wesleyan; A.M. (1929), Ph.D. (1932), Kansas.
- A. VERNE WILSON, M.S., Instructor in Music.**  
B.M. (1934), M.S. (Mus.Ed. 1937), Idaho.

# General Information

## Requirements for Admission

The purpose of the Vanport Extension Center is to serve all who wish to take courses and are able to profit by them. There are no formal admission requirements for those who do not plan to work toward degrees. Any student who plans to transfer to a degree-granting institution after leaving the Center should submit an official record of high school and college work, if any, to the Vanport Extension Center office. For more complete explanation of admission requirements, see page 18.

The following is a summary of steps to be taken by most students :

- (1) Send in application blank.

For application blank and additional information, write to :

Director, Vanport Extension Center  
Oregon State System of Higher Education  
Portland 3, Oregon  
(Telephone: UNiversity 1605)

- (2) Request the high school from which you graduated and any college which you have attended to send your official records to the Vanport Extension Center.

- (3) If a veteran, secure authorization from Veterans' Administration or state of Oregon. Any veteran wishing to enroll under the G. I. Bill of Rights must present a Certificate of Eligibility and Entitlement. Veterans who are entering the Vanport Extension Center for the first time must clear with the Veterans' Administration office. The Portland office is located at 208 S. W. Fifth Avenue (telephone, ATwater 9131). Veterans interested in the state of Oregon educational benefits are referred to the State Department of Veterans' Affairs (Portland office, 416 S. W. 11th Avenue; telephone, ATwater 6376).

## History

The Vanport Extension Center derives its name from its original location in Vanport City, a Federal housing project immediately north of the Portland city limits. This project, including all of the Center buildings, was destroyed by flood on May 30, 1948. On June 8, 1948, the State Board of Higher Education authorized the continuance of the Center for one academic year. The Portland public school system made the U. S. Grant High School available for the 1948 summer session. For the regular 1948-49 year, the administration building of the Oregon Shipbuilding Corporation was obtained. Converted into classrooms, laboratories, and offices, it provides adequate facilities for the Center.

## New Location of Vanport Extension Center

Columbia Hall, the former Oregon Shipbuilding Corporation Administration Building, is located on Burgard Street just outside the Portland city limits past the St. Johns district. The three floors will supply adequate space for ad-

ministrative, academic, and social purposes. This building includes a cafeteria and a cooperative bookstore. Adjacent to the building there are athletic fields and parking areas.

The Fessenden bus, leaving the business district at Fifth and Stark, passes the entry road of the college area. Via automobile from west-side Portland, the route follows St. Helens Road across the St. Johns Bridge, turns left on North Jersey Street, right for one block to Burgard Street, and along Burgard to Columbia Hall, the main building of the Vanport Extension Center, on the left side of the street.

### Library

The Library is located in the center wing of the second story of Columbia Hall. It provides a large, well-lighted reading room, offices, and work rooms. Except for a few books which were in circulation to persons not resident in Vanport, the book collection of nearly 4,000 volumes was destroyed, but replacements are being received and the essential reference and supplementary-reading books are available. The periodical subscription list contains approximately 150 titles which continue to arrive, although the back files were lost. The student body is entitled to use the public-library facilities of Multnomah County, and also has access to special collections located in Portland, such as the Oregon Historical Society Library. Through interlibrary loan, books may be secured from other libraries of the State System of Higher Education and from the State Library at Salem. The Library is under the direction of a professional librarian and is open daily whenever classes are in session. Tentative hours are 8:00 a.m. to 6:00 p.m.

### Student Services

The Office of the Men's Adviser is the main center for students who wish counseling on educational and personal matters. The Men's Adviser has charge of the Student Employment Service, which assists students to find part-time employment. Men students make arrangements for use of the Health Service through the Men's Adviser. All faculty members are available for educational counseling.

The Office of the Women's Adviser is the clearing place for the problems of women students. Students are urged to come with questions on social, personal, and educational problems. The Women's Adviser also serves as the social director, and assists student organizations with their programs.

The Student Cooperative Store provides texts, school supplies, and other articles needed by students. The store is run on a nonprofit basis, and is open Monday through Friday from 9:00 to 5:00. Most of the employees of the store are students working on a part-time basis. The store is an example of the initiative and resourcefulness of the Vanport Extension Center students. It was started in the fall of 1946 by a few students who formed a food-buying club to increase the buying power of their subsistence checks. Membership is restricted to students and employees of the Vanport Extension Center. The Coop lost its stock in the flood, but has voted to pay all creditors in full.

### Athletic Program

The intercollegiate athletic program of the Vanport Extension Center includes football, basketball, baseball, track, golf, skiing, and wrestling. Contests are scheduled with other two-year and four-year colleges of the Northwest. Outstanding teams are entered in regional and national tournaments. Varsity letters are awarded to athletes and student managers who meet requirements.

Freshmen are permitted to play on varsity teams. After one year of participation, freshmen who transfer to other colleges are immediately eligible for varsity competition and are not required to remain in the new school for a year before becoming eligible. Students who participate in varsity athletics for two years at Vanport are immediately eligible for two years of competition at the school to which they transfer.

The intramural program includes basketball, table tennis, gymnastics, tennis, golf, and other sports. An intramural and physical-education program is available for women as well as for men.

### Extracurricular Activities

Extracurricular activities for students are recognized as an important part of the college program of the Vanport Extension Center. These activities are carried on by the students, for the students, with a minimum of faculty direction. Opportunities for practical experience in journalism, dramatics, and public speaking are offered. Social and cultural activities are sponsored by various student organizations. Extracurricular activities are administered by the Student Council, elected by the students. An interclub council, also made up of students, coordinates club activities. All school dances, parties, and other social entertainment features are part of the extracurricular program. All women students become members of the Associated Women Students, which sponsors a program devoted to their interests. The Engineering Club and Pre-Law Club, which are open to students interested in these fields, carry on cultural and social programs. There are also clubs for those who are interested in skiing, riding, and golfing.

The VANGUARD is the weekly newspaper, written and edited by the Vanport Extension Center students. The Dramatics Club provides opportunity for acting, directing and producing plays.

### State Scholarships

The Oregon State System of Higher Education awards a limited number of scholarships annually. Students of the Extension Division, as well as those of the established institutions, are eligible for these scholarships, which cover course and laboratory fees. Certain special fees must be paid by the scholarship holders. At least 50 per cent of the scholarships are reserved for entering freshmen. To be eligible, a freshman must rank in the upper third of his graduating class; while a student who has previously attended an institution of higher learning must have a grade-point average of 2.50. Scholarships are awarded only to students in need of financial assistance. Application should be made on an official blank, which may be secured from the Director, Vanport Extension Center.

### **Veterans' Information**

All veterans who are planning to attend the Vanport Extension Center are urged to make prompt application through the Portland Veterans' Administration office for a Certificate of Eligibility and Entitlement. This certificate is essential for receiving any of the government educational benefits. Students who present their certificates will be able to register and to receive books and supplies at government expense under the G. I. Bill of Rights. Those who do not present certificates must pay all their expenses. However, they may arrange for reimbursement later, when they secure their certificates. A considerable amount of time elapses between application for a certificate and its issuance, so that prospective students should apply well in advance of the opening of the term they wish to attend.

Any veteran who has used a Certificate of Eligibility at another institution should request from the Veterans' Administration a supplemental certificate for use at Vanport.

The address of the Portland office of the Veterans' Administration is 208 S. W. Fifth Avenue (telephone, ATwater 9131). Application for a certificate may be made in person or by mail. The Veterans' Administration has a training officer at the Vanport Extension Center at scheduled hours to advise veterans and assist them with their problems.

### **Housing**

The Vanport Extension Center maintains a housing bureau to assist single and married students in finding housing accommodations. Students should write or call the Vanport Extension Center office for more complete information. Preference will be given to students who lost their homes in the flood. In addition, students should contact the Portland Housing Authority which has unfurnished and furnished houses, apartments, and trailers, many of which are located in the area near the Vanport Extension Center.

### **Portland Extension Center**

The Portland Extension Center of the State System of Higher Education offers many undergraduate courses, some of which are open to lower-division students. It is possible for a student to take courses simultaneously at the Portland and Vanport extension centers. The Portland Center also gives graduate courses which are open to qualified students. Copies of the catalog may be obtained from Portland Extension Center, 220 S. W. Alder Street, Portland 4, Oregon (telephone, ATwater 2165).

## **Fees and Refunds**

Fees are payable at the time of registration. The Oregon State System of Higher Education reserves the right to change the schedule of fees and refunds without notice. Registration is not complete until all fees are paid. Checks should be drawn to the order of the Vanport Extension Center. Students are held responsible for knowledge of fees and dates of payment.

REGISTRATION FEES

**Full-Time Students.** Students registering for more than 3 credit hours:

|   |         |
|---|---------|
| Registration and laboratory fee (including \$5.00 for educational and athletic activities)..... | \$32.00 |
| Nonresident fee (in addition to fees for resident student).....                                 | 70.00   |

**Part-Time Students and Auditors.** Students registering for 3 credit hours or less:

| <i>No. Cr.<br/>Hours</i> | <i>Incidental<br/>&amp; Lab. Fees</i> | <i>Educ. &amp; Athl.<br/>Activities Fee</i> | <i>Total Fee</i> |
|--------------------------|---------------------------------------|---|------------------|
| 1                        | \$ 8.00                               | \$ 5.00                                     | \$13.00          |
| 2                        | 16.00                                 | 5.00  | 21.00            |
| 3                        | 24.00                                 | 5.00  | 29.00            |

SPECIAL FEES

Health Service fee .....\$4.00

The Health Service is provided by the Oregon Physicians' Service. This entitles the student to a limited amount of hospital and medical care and to selection of any physician affiliated with the Oregon Physicians' Service. No part of this fee is refundable after the sixth week of a school term.

Matriculation fee .....\$5.00

Undergraduate students registering in Vanport Extension Center for the first time pay a matriculation fee of \$5.00. This fee is not refundable.

Late-registration fee .....\$1.00 to \$5.00

Students registering after the scheduled registration dates will pay a late-registration fee of \$1.00 for the first day and \$1.00 for each additional day until a maximum charge of \$5.00 is reached. Part-time students and auditors are not required to pay the late-registration fee.

Change-of-program fee .....\$1.00

The student pays this fee for each change in his official program after the scheduled last day for adding courses.

Reinstatement fee .....\$2.00

If, for any reason, a student has his registration canceled during a term for failure to comply with the regulations of the institution but is later allowed to continue his work, he must pay the reinstatement fee.

Transcript fee .....\$1.00

This fee is charged for each transcript of credits issued after the first, which is given free of charge.

FEE REFUNDS

Students who withdraw from the Vanport Extension Center and who have complied with the regulations governing withdrawals are entitled to certain refunds of fees paid depending on the time of withdrawal. The refund schedule has been established by the State Board of Higher Education and is on file in the Center office. All refunds are subject to the following regulations:

(1) Any claim for refund must be made in writing before the close of the term in which the claim originated.

(2) Refunds in all cases are calculated from the date of application for refund and not from the date when the student ceases attending classes, except in unusual cases when withdrawal has been delayed through causes largely beyond the control of the student.

## Academic Regulations

### Admission

In order to be admitted to Vanport Extension Center a student must be of good moral character, and, if he plans to work for a degree, must present evidence of acceptable preparation for work at the college level.

A person applying for admission to freshman standing must submit a record of his high-school work on an official application form. Copies of this form may be obtained from high-school principals or from the Director of Vanport Extension Center. This record must be certified by the principal or superintendent of the applicant's school. A person applying for admission with advanced standing must submit a certified transcript of previous college work (and a record of high-school work if this is not included on the college transcript).

### Admission to Freshman Standing

The requirements for admission to first-year or freshman standing conform to the following uniform entrance requirements adopted by all the institutions of higher education in Oregon.

Graduation from a standard high school, which in Oregon involves the completion of 16 units, 8 of which are required as follows: 3 units in English; 2 units in social science, comprising the state-adopted courses in United States history-civics and socio-economic problems; 1 unit in health and physical education; and 2 units selected from the fields of natural science and mathematics or the field of foreign language. Two units in either natural science or mathematics or 1 unit in each of these subjects will be acceptable; but a minimum of 2 units in a single language will be required if a foreign language is selected. In order to be admitted to any of the four-year curricula in engineering, except industrial arts, a student must present 1 unit in elementary algebra,  $\frac{1}{2}$  unit in higher algebra, and 1 unit in plane geometry. A student deficient in mathematics may be admitted but must make up his deficiency before carrying the standard engineering program.

Graduates from standard out-of-state high schools shall be required to present substantially the same distribution of subject-matter units. Applicants who are not residents of Oregon may be held for additional requirements demonstrating superior ability.

### Regulations Regarding Nonresident Fee

The Oregon State Board of Higher Education has defined a nonresident student as a person who comes into Oregon from another state for the purpose of attending one of the institutions under the control of the board.

In order to draw a clear line between resident and nonresident students, the board has ordered that all students in the institutions under its control who have not been domiciled in Oregon for more than one year immediately preceding the day of their first enrollment in the institution shall be termed nonresident students, with the following exceptions:

- (1) Students whose father (or mother, if the father is not living) is domiciled in the state of Oregon.
- (2) Children of regular employees of the Federal government stationed in the state of Oregon.
- (3) Students holding bachelor's or higher degrees from higher educational institutions whose work is acceptable as preparation for graduate work.

## Academic Procedure

The regular academic year throughout the State System of Higher Education is divided into three terms of approximately twelve weeks each. The summer sessions supplement the work of the regular year. Students may enter at the beginning of any term. A summer catalog will be sent on request.

Students are held responsible for familiarity with Vanport Extension Center requirements governing such matters as the routine of registration, academic standards, library regulations, student activities, organizations, etc.

### Definitions

A **TERM** is a division of the academic year and is approximately three months in length.

A **COURSE** is a subject, or an instructional subdivision of a subject, offered through a single term.

A **YEAR SEQUENCE** consists of three closely articulated courses extending through the three terms of the academic year.

A **CURRICULUM** is an organized program of study arranged to provide integrated cultural or professional education, i.e., preidental curriculum.

A **TERM HOUR** represents three hours of the student's time each week for one term. This time may be assigned to work in classroom or laboratory or to outside preparation. The number of lecture, recitation, laboratory, or other periods per week for any course may be found in the course descriptions in this catalog, or in the separately published **SCHEDULE**.

A **GRADE** is a mark used to measure the quality of a student's work in an academic course (the four passing grades are: A, B, C, D).

A **GRADE POINT** is a numerical system of computing the quality of a student's work. High grades give more points than low grades. A 4.00 grade-point average denotes a straight A record. 2.00 grade-point average is a C average.

A **GROUP REQUIREMENT** refers to the basic courses listed under three classifications: language and literature, social science, and science. Any year sequence listed under one of these groups may be taken to satisfy that group requirement.

### Course-Numbering System

Courses throughout the State System of Higher Education are numbered as follows:

- 1-99. Courses in the first two years of foreign language, or other courses of similar grade.
- 100-110, 200-210. Survey or foundation courses that satisfy the lower-division group requirements in the language and literature, science, and social-science groups.
- 111-199, 211-299. Other courses offered at first-year and second-year levels.
- 300-399. Upper-division courses.

### Grading System

The quality of student work is measured by a system of grades and grade points.

**Grades.** The grading system consists of: four passing grades, A, B, C, D; failure to take final examination, E; failure, F; incomplete, I; withdrawal, W. The grade of A denotes exceptional accomplishment; B, superior; C, average; D, inferior. Students ordinarily receive one of the four passing grades or F, failure. When the quality of the work is satisfactory, and some minor but essential requirement of the course has not been completed, for reasons acceptable to the instructor, a report of I may be made and additional time granted. Students may withdraw from a course by filing the proper blanks at the office in accordance with Vanport Extension Center regulations. A student who discontinues attendance in a course without official withdrawal receives a grade of F in the course. An E may be removed by taking a make-up final after presenting to a faculty committee satisfactory evidence of reason for not taking the regular final; an E not removed within the first term after a student's return to the institution becomes an F.

**Points.** Grade points are computed on the basis of 4 points for each term hour of A grade, 3 points for each term hour of B, 2 points for each term hour of C, 1 point for each term hour of D, and 0 points for each term hour of F. Marks of I, W, and E are disregarded in the computation of points. The grade-point average (GPA) is the quotient of total points divided by total term hours in which A, B, C, D, and F are received. Thus, if a student earned 6 hours of A, 3 hours of B, 3 hours of C, and 2 hours of D, his grade-point average is computed as follows:

| <i>Grade</i> | <i>Hours</i> | <i>Weight</i> | <i>Grade Points</i> |
|--------------|--------------|---------------|---------------------|
| A            | 6            | 4             | 24                  |
| B            | 3            | 3             | 9                   |
| C            | 3            | 2             | 6                   |
| D            | 2            | 1             | 2                   |
|              | —            |               | —                   |
|              | 14           |               | 41                  |

$41 \div 14 = 2.93$ . The grade-point average is 2.93.

The grade-point average that is used as a standard of acceptable scholarship and as a requirement for graduation is computed on all work for which the student receives credit, including work for which credit is transferred, correspondence study, and work validated by special examination.

### Scholarship Regulations

The regulations governing scholarship requirements are made by a faculty committee. This committee has discretionary authority in the enforcement of rules governing probation, and also has authority to drop a student from Vanport Extension Center when it appears that his work is of such a character that he cannot continue with profit to himself and with credit to the institution. In general, profitable and creditable work means substantial progress toward meeting graduation requirements.

A freshman student is automatically placed on probation if his grade-point average for any term is below 1.50. He is not released from probation until his grade-point average for a subsequent term is at least 1.75. A sophomore student is automatically placed on probation if his grade-point average for any term is below 1.75. He is not released from probation until his grade-point average for a subsequent term is at least 2.00.

### Requirements for Certificates

The Junior Certificate admits to upper-division standing in other institutions of the Oregon State System of Higher Education and the opportunity to pursue a major curriculum leading to a degree. A student may fulfill the requirements for the Junior Certificate during his two years at Vanport Extension Center. The requirements are as follows:

- (1) Term Hours: Minimum, 93.
- (2) Grade-Point Average: Minimum, 2.00.
- (3) English:
  - (a) Freshmen who do not obtain a satisfactory rating in the English placement examination required upon entrance must take and pass the course designated Rhetoric K.
  - (b) English Composition: 9 term hours unless excused. A student whose work meets the standards aimed at may, at the end of any term, with the consent of the head of the Department of English, be excused from further required written English.
- (4) Physical Education: 5 terms in activity courses unless excused (veterans are excused).
- (5) Health Education: PE 250 will satisfy the requirement for men or women (veterans are excused).
- (6) Group Requirements: A prescribed amount of work selected from three "groups" representing comprehensive fields of knowledge. The three groups are: language and literature, science, social science. Courses that satisfy group requirements are numbered from 100 to 110 and from 200 to 210. The group requirements are as follows:

- (a) For students in liberal arts and sciences—at least 9 approved term hours in each of the three groups and at least 9 additional approved term hours in courses numbered 200-210 in any one of the three groups.
- (b) For students in the professional and technical schools—at least 9 hours in two of the following: English literature or upper-division foreign language; science; social science.

Students should study the catalog of the institution to which they plan to transfer to be sure all its lower-division requirements are known.

The Lower-Division Certificate recognizes the successful completion of two years of lower-division work. This certificate is granted upon request to students whose desire has been to round out their general education. It does not require the scholastic average specified for the Junior Certificate, and does not admit to upper-division standing.

## Group Courses

Year sequences applicable in meeting group requirements are listed below. These courses may also be taken as electives. Descriptions of the courses are given later in this catalog.

### LANGUAGE AND LITERATURE GROUP

Eng 101, 102, 103. Survey of English Literature. 3 hours each term.  
 Eng 104, 105, 106. Appreciation of Literature. 3 hours each term.  
 Eng 201, 202, 203. Shakespeare. 3 hours each term.

### SCIENCE GROUP

#### Botany

Bot 201, 202, 203. General Botany. 3 hours each term.

#### Chemistry

Ch 104, 105, 106. General Chemistry. 4 hours each term.  
 Ch 204, 205, 206. General Chemistry. 5 hours each term.

#### Geology

G 201, 202, 203. Geology. 3 hours each term.

#### Mathematics

Mth 100. Intermediate Algebra. 4 hours.  
 Mth 101, 102, 103. Elementary Analysis. 4 hours each term.  
 Mth 105. College Algebra. 4 hours.  
 Mth 108. Mathematics of Finance. 4 hours.  
 Mth 109. Elements of Statistics. 4 hours.

(Any three of the following may be offered to meet the science requirement: Mth 100, Mth 105, Mth 108, Mth 109.)

Mth 201, 202, 203. Differential and Integral Calculus. 4 hours each term.  
 Mth 211. Foundations of Mathematics. 3 hours.

#### Physics

Ph 101, 102, 103. Engineering Physics. 3 hours each term.  
 Ph 201, 202, 203. General Physics. 4 hours each term.

#### Psychology

\*Psy 201, 202. General Psychology. 3 hours each term.  
 \*Psy 204. Psychology of Adjustment. 3 hours.  
 \*Psy 205. Applied Psychology. 3 hours.  
 \*Psy 208, 209, 210. General Psychology Laboratory. 1 hour each term.

\*Psy 208, 209, 210 must be taken with Psy 201, 202, 204 or Psy 201, 202, 205 to satisfy the science group requirement.

**Science**

- Sc 101, 102, 103. Biological Science Survey. 3 hours each term.  
 Sc 201, 202, 203. Foundations of Physical Science. 3 hours each term.

**Zoology**

- Z 101, 102, 103. Human Biology. 3 hours each term.  
 Z 201, 202, 203. General Zoology. 3 hours each term.

**SOCIAL SCIENCE GROUP****Anthropology**

- Anth 207, 208, 209. Introduction to Cultural Anthropology. 3 hours each term.

**Economics**

- Ec 201, 202, 203. Principles of Economics. 3 hours each term.

**History**

- Hst 101, 102, 103. History of Western Civilization. 3 hours each term.  
 Hst 201, 202, 203. History of the United States. 3 hours each term.  
 Hst 204. (State College) History of the Far East. 3 hours.  
 Hst 206. (State College) Modern Russia. 3 hours.  
 Hst 207, 208, 209. English History. 3 hours each term.  
 Hst 209. (State College) The Word Since 1914. 3 hours.  
 Hst 224, 225, 226. (State College) History of American Civilization. 3 hours each term.  
 Hst 230, 231, 232. (State College) Great Americans in Thought and Action. 2 hours each term.

**Human Geography**

- HG 101, 102, 103. Geography. 3 hours each term.

**Political Science**

- PS 201, 202, 203. American Government. 3 hours each term.

**Psychology**

- Psy 201, 202. General Psychology. 3 hours each term.  
 Psy 204. Psychology of Adjustment. 3 hours.  
 Psy 205. Applied Psychology. 3 hours.

**Sociology**

- Soc 204, 205, 206. General Sociology. 3 hours each term.

**Recommended Courses for Major Fields**

The following courses are available at Vanport Extension Center and are recommended to students taking the major fields listed. More complete information on the requirements of the basic fields may be made by consulting the catalogs of University of Oregon, Oregon State College, and Colleges of Education. In addition to courses listed below, nonveterans are required to take Physical Education. Titles of these courses and their descriptions may be found in a later section of this catalog.

**PREAGRICULTURE***Freshman Year*

- |                                      |                   |
|--------------------------------------|-------------------|
| Ch 104, 105, 106                     | J 111             |
| Bot 201, 202, 203                    | Sp 111            |
| Ec 201, 202, 203 or PS 201, 202, 203 | Rht 111, 112, 113 |

**BUSINESS ADMINISTRATION***Freshman Year*

- BA 111, 112, 113 (Accounting)  
 Mth 100, 105, 108  
 Eng 101, 102, 103 or  
 Mus 127, 128, 129 or  
 Elective Courses  
 Rht 111, 112, 113

*Sophomore Year*

- BA 212, 213  
 BA 222, 223  
 Ec 201, 202, 203  
 Rht 217  
 Elective in English, Speech,  
 Social Science, Foreign Language

**BUSINESS AND TECHNOLOGY\***

| <i>Freshman Year</i>                                | <i>Sophomore Year</i>             |
|---|-----------------------------------|
| BA 111, 112 (Introduction to Business and Industry) | BA 111, 112, 113 (Accounting)     |
| BA 113 (Survey of Modern Industry)                  | Ec 201, 202, 203                  |
| Mth 100, 105, 108                                   | Psy 201, 202, 205                 |
| HG 101, 102, 103                                    | PS 201                            |
| Rht 111, 112, 113                                   | Hst 203                           |
| Literature or Speech or Foreign Language            | General Sociology or Anthropology |
|   | Technology minors                 |

**ELEMENTARY EDUCATION**

| <i>Freshman Year</i>    | <i>Sophomore Year</i>                 |
|-------------------------|---------------------------------------|
| Rht 111, 112, 113       | Eng 107, 108, 109                     |
| GS 101, 102, 103        | Hst 201, 202, 203 or Ec 201, 202, 203 |
| GS 104, 105, 106        | or Soc 201, 202, 203                  |
| SSc 101, 102, 103       | Psy 201, 202, Ed 354                  |
| PE 250, Sp 111, Mth 211 | HG 201, 202, 203                      |

**PREDENTAL**

| <i>Freshman Year</i> | <i>Sophomore Year</i>                      |
|----------------------|--|
| Z 201, 202, 203      | Ch 226, 227, 234                           |
| Ch 204, 205, 206     | Ph 201, 202, 203                           |
| Mth 101, 102, 103    | Literature or Social Science or Psychology |
| Rht 111, 112, 113    |  |

**ENGINEERING**

| <i>Freshman Year</i> | <i>Sophomore Year</i>         |
|----------------------|-------------------------------|
| GE 101, 102, 103     | Mth 201, 202, 203             |
| GE 121, 122, 123     | Ch 204, 205, 206              |
| Mth 101, 102, 103    | ME 212, 213                   |
| Ph 101, 102, 103     | Social Science                |
| Rht 111, 112, 113    | Requirements for major field† |

**PREFORESTRY**

| <i>Freshman Year</i> | <i>Sophomore Year</i> |
|----------------------|-----------------------|
| F 111                | Sp 111                |
| Bot 201, 202, 203    | PS 201, 202, 203      |
| Mth 101, 102, 103    | Rht 111, 112, 113     |

**JOURNALISM**

| <i>Freshman Year</i>            | <i>Sophomore Year</i>                         |
|---------------------------------|---|
| J 211, 212, 213                 | J 311, 312, 313                               |
| Eng 101, 102, 103               | Foreign Language or Social Science or Science |
| Social Science                  | Electives                                     |
| Foreign Language or Mathematics |   |

**PRELAW**

| <i>Freshman Year</i> | <i>Sophomore Year</i>                |
|----------------------|--------------------------------------|
| BA 111, 112, 113     | Hst 207, 208, 209                    |
| Hst 201, 202, 203    | Ec 201, 202, 203                     |
| PS 201, 202, 203     | Science or Mathematics or Literature |
| Eng 101, 102, 103    | Psy 201, 202, 204 or 205             |
| cht 111, 112, 113    | Electives                            |

\* Students majoring in Business and Technology at Oregon State College combine a business curriculum with a technical minor of 36 hours, of which a maximum of 9 hours may be taken in a required prerequisite or related courses. (For further information see Oregon State College catalog.)

† Required curricula will be offered for sophomores in the fields of civil, mechanical, industrial, and electrical engineering.

**LIBERAL ARTS***Freshman Year*

Eng 101, 102, 103  
 Social Science  
 Science or Mathematics  
 French, German, or Spanish  
 Rht 111, 112, 113

*Sophomore Year*

Second-Year Major Field or Foreign  
 Language  
 Literature  
 Social Science or Science  
 Elective

**PREMEDICAL***Freshman Year*

Z 201, 202, 203  
 Ch 204, 205, 206  
 Mth 101, 102, 103  
 Rht 111, 112, 113

*Sophomore Year*

Z 324, 325, 326  
 Ch 226, 227, 234  
 French or German  
 Literature or Social Science

**PRENURSING***Freshman Year*

Ch 204, 205, 206  
 Rht 111, 112, 113  
 English Literature  
 Physical Education  
 Electives

*Sophomore Year*

Z 201, 202  
 Psy 201, 202, 204  
 Soc 204, 205  
 Physical Education  
 Electives

**PREPHARMACY***Freshman Year*

Ch 204, 205, 206  
 Z 201, 202, 203

Soc 204, 205, 206 or Psy 201, 202, 204  
 or Ec 201, 202, 203  
 Rht 111, 112, 113

**PREPHYSICAL EDUCATION***Freshman Year*

Z 201, 202, 203  
 Mth 10 or 100  
 Rht 111, 112, 113  
 PE activities  
 Electives

*Sophomore Year*

Ph 101, 102, 103  
 Ch 104, 105, 106  
 FN 225, Psy 201, 202  
 PE activities  
 Electives

**SECRETARIAL SCIENCE***Freshman Year*

SS 111, 112, 113  
 SS 121, 122, 123  
 BA 111, 112

Literature or Science  
 Rht 111, 112, 113  
 Rht 114, 115, 116

**Description of Courses**

**F**OR an explanation of the course-numbering system see page 20. The hours indicated, following the course title, represent the term hours of credit which may be earned. The Vanport Extension Center reserves the right to discontinue any announced course because of insufficient enrollment or for other reasons.

**ANTHROPOLOGY**

Anth 207, 208, 209. **Introduction to Cultural Anthropology.** 3 hours each term. The meaning of culture; its significance for human beings; its diverse forms and degrees of elaboration among different groups of men; its processes of growth and expansion.

**ASTRONOMY**

(See PHYSICS)

**BUSINESS ADMINISTRATION**

- BA 111, 112. Introduction to Business and Technology.** 3 hours each term.  
Survey of business organization, operation, and management intended to orient the student in the field of business and technology and to help him determine a field of major emphasis.
- BA 113. Survey of Modern Technology.** 3 hours.  
Principal industries of the United States and Pacific Northwest; dynamic nature and social problems of American industry. Student is helped to choose the technical and scientific fields in which he desires to concentrate.
- BA 111, 112, 113. Constructive Accounting.** 3 hours each term.  
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.
- BA 212. Principles of Cost Accounting.** 3 hours.  
Basic principles of cost accounting; departmentalization; expense allocation; designed primarily for students interested in general accounting. Prerequisite: BA 111, 112, 113.
- BA 213. Analysis of Financial Statements.** 3 hours.  
Managerial accounting for effective management and control of industrial and trading concerns. Preparation, analysis, and interpretation of balance sheets and operating reports. Prerequisite: BA 111, 112, 113.
- 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.
- 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.

**BOTANY**

- Bot 201, 202, 203. General Botany.** 3 hours each term.  
Structure and functions of higher plants; chief groups of plants, reproduction and genetics; plant identification. Prerequisite to further work in botany. One lecture; 1 recitation; 2 two-hour laboratory periods.

**CHEMISTRY**

- Ch 104, 105, 106. General Chemistry.** 4 hours each term.  
Required for nursing education and medical technician students. One lecture; 2 recitations; 1 three-hour laboratory period.

**Ch 204, 205, 206. General Chemistry.** 5 hours each term.

A year sequence. Ch 204 and 205 are devoted primarily to the basic principles of general chemistry, Ch 206 includes a study of qualitative analysis and other subjects not covered in the more elementary courses. For students majoring in chemistry or chemical engineering, and others requiring extensive knowledge of the subject. Two lectures; 1 recitation; 2 three-hour laboratory periods.

**Ch 226. Organic Chemistry.** 5 hours.

Carbon compounds of the aliphatic series. Prerequisite: Ch 206 or Ch 106. Two lectures; 1 recitation; 2 three-hour laboratory periods.

**Ch 227. Organic Chemistry.** 5 hours.

An intensive study of the chemistry of the aromatic series. Prerequisite: Ch 226.

**Ch 231. Advanced Qualitative Analysis.** 5 hours fall.

Advanced theory of qualitative analysis and examination of commercial products. Prerequisite: Ch 206. Two lectures; 3 three-hour laboratory periods.

**Ch 232, 233. Quantitative Analysis.** 5 hours.

Fundamental principles and laboratory practice. Prerequisite: Ch 206. Two lectures; 3 three-hour laboratory periods.

**Ch 234. Quantitative Analysis.** 5 hours spring.

Principles of gravimetric analysis, volumetric analysis; and H-ion concentration. Designed for pharmacy and premedical students and medical technicians. Prerequisite: Ch 106 or Ch 206. Three lectures; 2 three-hour laboratory periods.

**ECONOMICS****Ec 201, 202, 203. Principles of Economics.** 3 hours each term.

Principles that underlie production, exchange, and distribution, etc.

**EDUCATION****\*Ed 111. Methods of Study.** 2 hours any term.

No-grade course. Specific methods of study applied to various subject fields. General principles of note taking and study schedule; fixing study habits; evaluations of various broad fields of learning.

**Ed 354. Introduction to Education.** 3 hours.

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

\* This is a service course, not a professional course, and will not count toward fulfillment of requirements for certification or for a major in education.

### ENGINEERING

**GE 101, 102, 103. Engineering Problems.** 2 hours each term.

Lectures and elementary problems dealing with the general fields of civil, electrical, industrial, and mechanical engineering; to train the students in engineering habits of work. One lecture; 2 two-hour computation periods.

**GE 121, 122. Engineering Drawing.** 3 hours each term.

Training in the use of drafting tools. Applications include geometrical constructions; lettering; orthographic projections; auxiliary planes of projection; sections and conventional violations; fasteners; intersections and developments; charts and diagrams; mechanical perspective, and free-hand technical and pictorial drawing. One lecture; 3 two-hour periods.

**GE 123. Descriptive Geometry.** 3 hours.

Theory and problems on the projection of points, lines, surfaces, and solids; applications of graphical solution of engineering problems. Prerequisite: GE 121, 122. One lecture; 3 two-hour periods.

### CIVIL ENGINEERING

**CE 201, 202, 203. Introduction to Civil Engineering.** 3 hours each term.

Fundamentals of graphic analysis, structural and topographic drafting, including field curves in relation to the practice of structural, hydraulic, highway and sanitary engineering. One recitation; 2 three-hour laboratory periods. Enrollment limited. Consent of instructor required.

**CE 212. Mechanics (Statics).** 3 hours.

Applied mechanics for engineering students. Prerequisite: differential calculus. One recitation; 2 two-hour computing periods. Enrollment limited. Consent of instructor required.

**CE 213. Mechanics (Dynamics).** 3 hours.

Continuation of CE 212. Principles and problems in kinetics; force as a factor causing motion; work, energy, friction, and impact. Prerequisite: CE 212. One recitation; 2 two-hour computing periods. Enrollment limited. Consent of instructor required.

### ELECTRICAL ENGINEERING

**EE 201, 202, 203. Introduction to Electrical Engineering.** 4 hours each term.

Fundamentals of magnetic and electrical fields and associated circuits and electric circuit theory. Prerequisite: Mth 103, Ph 103, GE 103, or instructor's approval. One lecture; 2 two-hour recitations; 1 two-hour laboratory period.

### INDUSTRIAL ARTS\*

**IA 240. Foundry Practices.** 2 hours any term.

Introductory course covering constitution, properties, and design limitations of castings in iron and steel; the foundry methods. One lecture; 1 four-hour laboratory period.

\* In these industrial-arts courses the student attends three general lectures, to be arranged during the term, in addition to the regularly scheduled meetings.

**IA 250. Forging and Welding.** 2 hours.

Principles and practice of forging and welding, including gas, electric, thermit, and hammer welding. One lecture; 1 four-hour laboratory period.

**IA 260. Machine-Shop Practices.** 2 hours.

Manipulation of basic machine tools, with prescribed projects; correlation of engineering, managerial, and manufacturing problems. One lecture; 1 four-hour laboratory period.

**MECHANICAL ENGINEERING****ME 212. Mechanics (Statics).** 3 hours.

Forces and force systems with reference to the equilibrium of rigid bodies; numerous problems. Prerequisite: differential calculus. Two recitations; 1 two-hour period. Enrollment limited. Consent of instructor required.

**ME 213. Mechanics (Dynamics).** 3 hours.

Continuation of ME 212. Principles and problems in kinetics; numerous problems. Prerequisite: ME 212. Two recitations; 1 two-hour period. Enrollment limited. Consent of instructor required.

**ME 216. Materials of Engineering.** 3 hours.

Production, mechanical properties, and shop processes applying to materials of machine and building construction. Corrosion resistance and other service requirements; fuels, lubricants, and water for industrial use. Two recitations; 1 laboratory demonstration period.

**ENGLISH****Literature****\*Eng 101, 102, 103. Survey of English Literature.** 3 hours each term.

From *Beowulf* to the present. Fall: *Beowulf* to Milton; winter: Milton to Byron; spring: Byron to the present time.

**\*Eng 104, 105, 106. Appreciation of Literature.** 3 hours each term.

The aim is to stimulate enjoyment of literature by providing the student with a technique of appreciation. Readings cover the whole range of English literature. Emphasis on appreciation rather than literary history.

**Eng 201, 202, 203. Shakespeare.** 3 hours each term.

Study of the important plays, comedies, histories, and tragedies, in the light of Shakespeare's development. Required for English majors.

**Eng 261, 262, 263. Survey of American Literature.** 3 hours each term.

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

**Eng 271. Contemporary Literature.** 3 hours.

Postwar poetry, prose, and drama, with the emphasis on the development of new literary forms, new concepts, attitudes, and movements. Recent European influences. Lectures, with reading assignments illustrating the points of emphasis in class discussion.

\* A student may register for only one of the two literature sequences: Eng 101, 102, 103; Eng 104, 105, 106.

**Eng 274. The Short Story.** 3 hours.

The development of the American short story; analysis of recognized masterpieces as well as of the best present-day magazine stories, with the idea of developing critical taste in reading.

**Eng 276. The Novel.** 3 hours.

Aim is to enrich the student's background of knowledge in the field of the novel and prepare him for critical appreciation of fiction.

**Rhetoric****Rht K. Corrective English.** 1 hour.

One-term course in the mechanics of English, required of freshmen who receive low ratings in entrance placement examination. For such students Rht K is a prerequisite for any other work in written English.

**Rht 111, 112, 113. English Composition.** 3 hours each term.

The fundamentals of English composition and rhetoric; frequent written themes in the various forms of discourse. Special attention to correctness in fundamentals and to the organization of papers.

**Rht 114, 115, 116. Vocabulary Building.** 2 hours each term.

Designed to expand and sharpen the student's vocabulary and otherwise to improve the use of English. A study of words: new words, the right word; diction; pronunciation; an effective program for acquiring and using the forms and mechanics of writing.

**Rht 117, 118, 119. Good Usage in Speech and Writing.** 2 hours each term.

A practical course in everyday English. Essentials of grammar, diction, and mechanics; principles of sentence structure; continuous emphasis on correctness, definiteness, and other prime qualities of speech and writing. Exercises in writing adjusted to the vocational needs of the students.

**Rht 216. Advanced Writing.** 3 hours.

Cultivation of style through practice in a variety of creative forms. Prerequisite: Rht 111, 112, 113 (with A or B grade) or equivalent, or consent of instructor.

**Rht 217. Business English.** 3 hours.

Study of modern practices in business correspondence, primarily for students of business administration. Analysis and writing of the principal types of correspondence. Prerequisite: Rht 111, 112, 113.

**Library****Lib 117. Use of the Library.** 1 hour.

Training in the use of the card catalog, periodical indexes, and reference books; experience in the preparation of bibliographies. As far as possible, problems are coordinated with the student's study program.

**FOODS AND NUTRITION**

(See PHYSICAL EDUCATION)

**FOREIGN LANGUAGES****French****RL 1, 2, 3. First-Year French.** 4 hours each term.

Grammar, pronunciation, composition, conversation. Translation of easy French prose and poetry.

**RL 4, 5, 6. Second-Year French.** 4 hours each term.

Review of grammar, composition, conversation; translation of modern French authors.

**German****GL 1, 2, 3. First-Year German.** 4 hours each term.

Grammar; German composition; reading and translation of easy prose and poetry.

**GL 4, 5, 6. Second-Year German.** 4 hours each term.

Review of grammar, composition, conversation. Reading of modern German authors.

**Spanish****RL 11, 12, 13. First-Year Spanish.** 4 hours each term.

Translation of common prose, conversation, composition, and grammar.

**RL 14, 15, 16. Second-Year Spanish.** 4 hours each term.

Review of grammar, composition, conversation; translation of modern Spanish authors.

**FORESTRY****F 111. General Forestry.** 3 hours.

Preliminary survey of the entire field of forestry including the development of forestry in the United States and the origin and distribution of our public domain. May be elected by students in other schools.

**FP 210. Wood Utilization.** 3 hours.

Adaptation to commercial uses; chief wood-using industries; relative amounts of commercial species used annually; substitutes; by-products.

**GEOGRAPHY****HG 101. Regional Human Geography.** 3 hours each term.

World survey of geographic fundamentals emphasizing human adjustments to climatic conditions and physical environment; geographical regions of the world in respect to environmental conditions and human activities.

**HG 102. Economic Geography.** 3 hours each term.

Interrelationship between the physical environment and man's productive occupations; occupational analysis of world resources; geography of international trade. Prerequisite: HG 101 or permission of instructor.

**HG 103. Geography of North America.** 3 hours each term.

Regional analysis of North America, including Canada and Alaska but not Mexico. Prerequisite: HG 101 or permission of instructor.

**GEOLOGY****G 201, 202, 203. Geology.** 3 hours each term.

Processes of nature by which earth's surface has been built up, deformed, and torn down; natural history and occurrence of common rocks and useful minerals; outline of history of earth and life.

## HISTORY

- Hst 101, 102, 103. History of Western Civilization.** 3 hours each term.  
Origins and development of Western civilization from ancient times to the present.
- Hst 201, 202, 203. History of the United States.** 3 hours each term.  
From colonial times to the present day.
- Hst 204. History of the Far East.** 3 hours.  
Aim is to introduce students to the history, civilization, and political, economic, cultural, and social problems of China, Japan, India, and the Pacific Islands. Applies toward group requirement in Social Science.
- Hst 206. Modern Russia.** 3 hours.  
Aims to enrich student's knowledge of political, diplomatic, economic, and social development of Russia from the revolution of 1905 to the present.
- Hst 207, 208, 209. English History.** 3 hours each term.  
A general survey, covering political, economic, social, intellectual, and religious developments.
- Hst 209. The World Since 1914.** 3 hours.  
Origin and background of the Second World War; course of the war; problems of American war mobilization; war aims and postwar planning.
- Hst 224, 225, 226. History of American Civilization.** 3 hours each term.  
The rise and development of American civilization from the beginning to the present; special attention to economic, social, and cultural life, political changes, and international relations.
- Hst 230, 231, 232. Great Americans in Thought and Action.** 2 hours each term.  
A study in personality and leadership of men and women who have been outstanding in various fields of endeavor, great movements, and critical periods.

## HOUSEHOLD ADMINISTRATION

- HAd 222. Family Relationships.** 3 hours.  
To give better understanding of present-day family life and some of the problems existing. Open to both men and women. Prerequisite: sophomore standing.
- HAd 225. Child Care.** 3 hours.  
Growth, development, care, and training of the young child; observations in the nursery school. For men and women students not in home-economics degree curricula.

## INDUSTRIAL ARTS

(See ENGINEERING)

## JOURNALISM

- J 211, 212, 213. Elementary Journalism.** 3 hours each term.  
The American newspaper; its place in the social order; its methods and

techniques. Fundamentals of reporting, interviewing, news analysis, note taking, news gathering, news writing.

**J 311. Backgrounds of Publishing.** 3 hours.

Printing: history, traditions, techniques. Graphic-art processes: art medium, etching, halftones. lithography, offset, gravure. Laboratory.

**J 312. Backgrounds of Publishing.** 3 hours.

Newspaper advertising: local, general, classified, legal. Techniques of space selling. Elementary retail advertising; layout, copy, use of mat services, rates, contracts. Laboratory.

**J 313. Backgrounds of Publishing.** 3 hours.

Weekly newspaper management: income sources, newspaper-business law, official newspapers, postal regulations, newspaper merchandising, commercial printing, cost accounting and bookkeeping. Laboratory.

## LIBRARY

(See ENGLISH)

## MATHEMATICS

**Mth 5. Elementary Mathematics.** 2 hours winter term only.

A short course in numerical calculations, elements of algebra and trigonometry, designed to aid students in elementary science courses.

**Mth 10. Elementary Algebra.** 4 hours.

**Mth 20. Elementary Geometry.** 4 hours.

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

**Mth 101, 102, 103. Elementary Analysis.** 4 hours each term.

Trigonometry, graphs, algebra, elements of calculus, and analytic geometry.

**Mth 105. College Algebra.** 4 hours.

Prerequisite: one and one-half years of high-school algebra or Mth 100.

**Mth 108. Mathematics of Finance.** 4 hours.

Simple and compound interest and discount, annuities, periodic-payment plans; bonds, depreciation, and other topics related to business. Prerequisite: Mth 101 or Mth 105.

**Mth 109. Elements of Statistics.** 4 hours.

**Mth 201, 202, 203. Differential and Integral Calculus.** 4 hours each term.

Prerequisite: Elementary Analysis or equivalent.

**Mth 211. Foundations of Mathematics.** 3 hours.

Treatment of historical aspects of mathematics, social uses and relationships, mathematical principles and relationships, grade placement of content materials, appraisal of texts, workbooks, and tests, development of problem-solving ability, and proficiency in the fundamental skills of mathematical processes.

**Mth 230. Spherical Trigonometry and Rudiments of Navigation.** 2 hours.

Prerequisite: Mth 101.

### MUSIC

**Mus 127, 128, 129. Introduction to Music Literature.** 2 hours each term.

A nontechnical study of the development of music, stressing the elements of musical understanding; study of representative compositions, with emphasis on their musical and historical significance.

**Mus 197. Choral Union.** 1 hour each term.

Six hours maximum credit.

### NURSING EDUCATION

**Nur 111. Backgrounds of Nursing.** 3 hours.

The historical background of modern social and health movements; the relation of these to the evolution of nursing as a profession.

### PHYSICAL EDUCATION

#### Service Courses

**PE 180. Elementary and Advanced Physical Education.** 1 hour each term.

A variety of activities taught for physiological and recreational values. Special sections for restricted and corrective work. A total of five terms required of all women during the freshman and sophomore years.

**PE 190. Elementary and Advanced Physical Education.** 1 hour each term.

A variety of activities taught for physiological and recreational values. Special sections for restricted and corrective work. A total of five terms required of all men during the freshman and sophomore years.

**PE 250. Personal Health.** 3 hours.

Exercise, nutrition, infection and resistance, special senses, mouth hygiene, sex hygiene, rest and sleep, fresh air and sunshine. Satisfies the health-education requirement.

**PE 251. Community Health.** 3 hours.

Water supply, food and milk sanitation, ventilation, sewage disposal, lighting, housing, health agencies, health laws, insect and rodent control.

**PE 252. First Aid.** 3 hours.

American Red Cross first aid; lectures, demonstrations, and practice leading to standard and advanced first-aid certificates.

#### Professional Courses

**PE 127. Fundamentals of Body Movement and Conditioning (Men).** 2 hours.

For majors. Conditioning exercises, group drills.

**PE 128. Elementary Tumbling and Apparatus (Men).** 2 hours.

For majors. Principles of conditioning.

**PE 129. Track and Field (Men).** 2 hours.

For majors. Basic principles of conditioning and form for track and field events.

**HEc 225. Principles of Dietetics.** 2 hours.

The nutritive value of food; the selection of a proper diet for health, based on dietetic principles. Open to men and women.

- PE 227. Elementary Aquatics (Men).** 2 hours.  
For majors. Elementary swimming, diving.
- PE 228. Elementary Combatives (Men).** 2 hours.  
For majors. Wrestling, boxing, judo.
- PE 229. Team Sports (Men).** 2 hours.  
For majors. Soccer, speedball, softball.

### PHYSICS

- Ph 101, 102, 103. Engineering Physics.** 3 hours each term.  
Studies in general physics adapted to students in engineering. This sequence is offered each term if demand is sufficient. One lecture; 2 recitations; 2 one-hour laboratory periods.
- Ph 161. Rudiments of Photography.** 2 hours.  
One lecture; 1 two-hour laboratory period.
- Ph 201, 202, 203. General Physics.** 4 hours each term.  
Mechanics, sound, heat, light, electricity, and magnetism. Two lectures; 2 recitations; 1 two-hour laboratory period.
- Ph 204. Astronomy.** 3 hours.  
Descriptive treatment with emphasis on the solar system.
- Ph 205. Astronomy.** 3 hours.  
Emphasis on mirror-making technique for telescopes.
- Ph 206. Astronomy.** 3 hours.  
Descriptive treatment with emphasis on star types and groupings.
- Ph 330. Fundamentals of Radio.** 3 hours.  
Underlying principles; vacuum tubes; circuits; antennas and wave propagation; construction and use of transmitting and receiving equipment. Prerequisite: one year of college physics. One lecture; 2 two-hour laboratory periods.
- Ph 361. Photography.** 3 hours.  
The hand camera, developing, printing, toning, enlarging, slides. Prerequisite: college chemistry or physics or previous photographic experience, with consent of instructor. One lecture; 2 two-hour laboratory periods.
- Ph 362. Photography.** 3 hours.  
Commercial phases of photography; view cameras, copying, flashlights, indoor lighting, color correction, distant views, etc. Prerequisite: Ph 361. One lecture; 2 two-hour laboratory periods.
- Ph 363. Photography.** 3 hours.  
The making of pleasing pictures: composition, carbon and carbonyl printing, paper negatives, diffusion, enlarging negatives, etc. Prerequisite: Ph 361. One lecture; 2 two-hour laboratory periods.

### POLITICAL SCIENCE

- PS 201, 202, 203. American Governments.** 3 hours each term.  
Fall and winter: national and state governments. Spring: state and local governments.

**PS 204. European Governments. 3 hours.**

A survey of the constitutions and governmental operations of selected democratic and nondemocratic governments in Europe, including the governments of Britain, France, and the Soviet Union.

**PS 205. International Relations. 3 hours.**

The nature and history of international relations.

**PS 231, 232, 233. Current Affairs. 2 hours each term.**

Man's activities as told in the press and by telegraph, cable, and radio; relation of current happenings to established principles and existing organizations. For freshmen and sophomores only.

**PSYCHOLOGY****Psy 111. Mental Hygiene. 3 hours.**

Conditions of healthy mental development and of effective reactions to life and college environment; habits, attitudes, and reactions of the efficient mind. No credit is given to students who have taken Ed 102.

**Psy 201, 202. General Psychology. 3 hours each term.**

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

**Psy 204. Psychology of Adjustment. 3 hours.**

The nature and origins of differences in personality; means of making desired changes. Prerequisite: Psy 201, 202.

**Psy 205. Applied Psychology. 3 hours.**

A survey of the ways in which psychology is applied in advertising, salesmanship, market research, measurement of opinion, occupational placement, development of personal efficiency. Prerequisite: Psy 201, 202.

**Psy 208, 209, 210. General Psychology Laboratory. 1 hour each term.**

Introduction to experimental methods. Laboratory work coordinated with Psy 201, 202; Psy 204; Psy 205. One 3-hour period each week.

**PUBLIC SPEAKING**

(See SPEECH AND DRAMA)

**SCIENCE**

(See also BOTANY, CHEMISTRY, PHYSICS, ZOOLOGY)

**GS 101, 102, 103. Biological-Science Survey. 4 hours each term.**

The fundamental principles of biology as they apply to both plants and animals. For general students and those majoring in fields other than biology. Three lectures; 1 one-hour laboratory period.

**GS 104, 105, 106. Physical-Science Survey. 4 hours each term.**

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. Three lectures; 1 one-hour laboratory-recitation period.

**SECRETARIAL SCIENCE**

**SS 111, 112, 113. Stenography.** 3 hours each term.

Theory of shorthand; practical applications in sentence dictation. SS 121, 122, 123 must be taken concurrently unless the student has had the equivalent. Students with one year of shorthand are not permitted to take SS 111 for credit. Four recitations.

**SS 121, 122, 123. Typing.** 2 hours each term.

Theory and practice of touch typing; rhythmical drills, dictation exercises; writing paragraphs; punctuation and mechanical arrangement of business correspondence, legal forms, tabulating, manifold, speed practice. Students with at least one year of typing are not permitted to take SS 121 for credit. Five periods laboratory work.

**SOCIAL SCIENCE**

(See also ANTHROPOLOGY, ECONOMICS, HISTORY, POLITICAL SCIENCE, PSYCHOLOGY, AND SOCIOLOGY)

**SSc 101, 102, 103. Background of Social Science.** 3 hours each term.

Orientation in each of the social sciences; study of the method of science and its application to the social studies; an attempt to create in the student the urge to independent thought through wide reading.

**SOCIOLOGY**

**Soc 204, 205, 206. General Sociology.** 3 hours each term.

Analysis of social organization and culture; social changes and movements as affected by culture and by biological and physical environmental factors. Prerequisite to most upper-division courses in sociology.

**Soc 212. General Sociology.** 3 hours.

An abridgment of Soc 201, 202, 203. Not open to students who have taken Soc 201, 202, 203.

**SPEECH**

**Sp 111, 112, 113. Extempore Speaking.** 3 hours each term.

Development and presentation of original speeches; vocabulary building; pronunciation; voice, gesture, bearing; organization; delivery.

**Sp 114. Voice and Diction.** 3 hours.

Study and practice of the principles of tone production. Phonetic analysis of English sounds as a basis for correct and effortless diction. Intended for students who have slight deviations in voice and diction.

**Sp 211. Oratory Squad.** 1 to 3 hours.

Original manuscript speeches; preparation for intercollegiate competition. Prerequisite: Sp 111, 112. Consent of instructor.

**Sp 211, 212. Interpretation.** 2 hours each term.

Fundamental training in analysis and presentation of printed materials; emotional reactions that give color and interest; expressive voice and body; correction of erroneous habits; interpretation of lyric and dramatic literature.

**Sp 214. Extempore Speaking Squad.** 3 hours.

Preparation for intercollegiate competition. Prerequisite: Sp 111, 112; consent of instructor.

**Sp 217. Debating.** 3 hours each term.

Argumentation principles; analysis and brief-drawing; debate participation. Prerequisite: consent of instructor.

**Sp 231. Parliamentary Procedure.** 3 hours.

Parliamentary usage applied in deliberative assembly, conference, symposium, and panel discussion. Students serve as chairman and secretary of meetings.

**Sp 251. Workshop Theater.** 1 to 3 hours.

Participation in plays for public performance. Students will secure experience in acting, directing, stage design, construction, and lighting.

**ZOOLOGY****Z 101, 102, 103. Human Biology.** 3 hours each term.

Man's place in animal kingdom; human anatomy and physiology; development, heredity, evolution; relation to diseases and parasites; human ecology. Two lectures; 2 one-hour laboratory periods.

**Z 201, 202, 203. General Zoology.** 3 hours each term.

For premedical, prenursing, pharmacy, physical-education, psychology, fish- and game-management students, and others. Two lectures; 1 recitation; 1 two-hour laboratory period.

**Z 324, 325. Comparative Vertebrate Anatomy.** 4 hours each term.

Elements of comparative anatomy, gross and microscopic. Prerequisite: Z 201, 202, 203. Two lectures; 6 hours laboratory.

**Z 326. Comparative Vertebrate Embryology.** 4 hours.

Comparative study of the development of several representative vertebrate forms. Prerequisite: Z 324, 325 or consent of instructor.

## Extension

**T**HROUGH extension services the benefits of all the Oregon state institutions of higher education are brought to the people of the state in their own communities. All divisions of the Oregon State System of Higher Education seek through every means possible, so far as resources and facilities permit, to serve the entire state. All extension activities of the several institutions are administered through two coordinated extension services: the General Extension Division and the Federal Cooperative Extension Service.

### General Extension Division

#### Administration

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

HENRY EUGENE STEVENS, D.Ed., Assistant Director of General Extension and Summer Sessions; Associate Professor of Education.

DOROTHY DOERING SMITH, B.A., Eugene Office Manager; Instructor in Extension Teaching.

#### Correspondence Study

MOZELLE HAIR, B.A., Head of Correspondence Study; Assistant Professor of Sociology.

ARLETTA PENNY, Secretary.

#### State-Wide Extension Classes

VIRON A. MOORE, M.A., Head of State-Wide Classes; Assistant Professor of Education.

RUTH HOPSON, Ph.D., Instructor in General Science.

JAMES CARL CAUGHLAN, Ph.D., Assistant Professor of Education.

FLORENCE M. WALTA, B.A., Secretary; Instructor in Extension Teaching.

#### Portland Extension Center

MARGARET MORRISON SHARP, Director; Assistant Professor of Extension Teaching.

MAURINE W. CHURCHILL, Secretary.

ALFRED POWERS, B.A., Professor of Journalism.

PERCY M. COLLIER, B.A., LL.B., Associate Professor of English.

HOYT C. FRANCHERE, M.A., Assistant Professor of English; Supervisor of English Studies.

PHILIP WOOD JANNEY, B.A., C.P.A., Associate Professor of Business Administration.

JACK R. PARSONS, M.S., Assistant Professor of Sociology and Social Work.

CLARK P. SPURLOCK, M.A., Veterans' Counselor.

#### Radio Station KOAC

JAMES M. MORRIS, B.S., Director of News Programs; Acting Program Manager; Assistant Professor of Radio Speech.

LILLIAN SCHLOEMAN WARREN, A.B., Director of Women's Programs; Instructor in Home Economics Extension.

JAMES S. NELSON, Production Manager; Instructor in Radio Speech.

ARNOLD EBERT, B.S., Director of Agricultural Programs; Assistant Professor of Agricultural Extension.

LANA LU BOUSKA, A.B., Director of KOAC School of the Air.

JAMES M. JACKSON, Director of Music; Instructor in Radio Speech.

DORICE WILLIAMS, Secretary.

#### Visual Instruction

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

EVELYN DEMPSEY, Secretary.

#### Summer Sessions

JOHN FRANCIS CRAMER, D.Ed., Director of Summer Sessions; Director, Portland Summer Session.

THELMA LYON, Secretary of Summer Sessions.

**T**HE General Extension Division of the Oregon State System of Higher Education serves the people of the state through adult education by means of extension classes, correspondence study, visual instruction, and radio, and administers advertising and promotion for the summer sessions for the institutions of the State System. Its work is organized into the following departments: At Corvallis: Visual Instruction; Radio Station KOAC. At Eugene: Correspondence Study; State-Wide Extension Classes. At Portland: Portland Extension Center; Vanport Extension Center; Summer Sessions.

**A State-Wide Campus.** Through the General Extension Division the curricula, personnel, and facilities of all the state institutions of higher education are made available in some degree to every citizen, group, and community in Oregon. The activities of the General Extension Division are closely coordinated with those of the Federal Cooperative Extension Service and all other organized service agencies in the state.

**Portland Extension Center.** General Extension in Portland is carried on through the Portland Extension Center. More than two hundred evening, late afternoon, and Saturday morning courses in thirty-five different departments and professional schools were offered during the academic year 1947-48. The work of these classes is of standard college or university grade. Resident credit at the State College, the University, or the state colleges of education may be earned

through these courses. Courses may be taken at the Portland Extension Center for graduate credit toward a master's degree at the State College or the University. Detailed information is published in the Portland Extension Center Announcements.

**State-Wide Extension Classes.** Through its program of state-wide extension classes the General Extension Division provides the people of the state 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 can 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 college-credit and noncredit courses.

**Correspondence Study.** Study at home under competent supervision is possible for any adult 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 Catalog.

**Visual Instruction.** The Department of Visual Instruction of the General Extension Division provides glass and film slides, microscopic slides, and motion picture films suitable for educational use by schools, community clubs, and other organizations. A special catalog is published listing the materials available. This department is maintained jointly by the General Extension Division and the Federal Cooperative Extension Service.

**Radio Station KOAC.** Radio Station KOAC is Oregon's public-owned station of which the State Board of Higher Education is the managing agency. The station is located at Corvallis, Oregon, on the campus of Oregon State College, the licensee and operator of the physical plant. The General Extension Division of the State System of Higher Education directs the program service. Program talent is drawn from Oregon State College, the University of Oregon, the Oregon colleges of education, and from various departments of the state government. In addition, many other public agencies, organizations, and individuals contribute frequently to broadcasts from the station. The station, established in 1925, is operated in the interest of the Oregon public. The programs are free from commercialism. KOAC operates with 5,000 watts power daytime, 1000 watts power evening, on a frequency of 550 kilocycles by authority of the Federal Communications Commission. Announcements of radio programs are issued periodically, and will be furnished on request. Studios are located at Corvallis and Eugene.

**Summer Sessions.** Publicity for the summer sessions of the several institutions is administered by the General Extension Division. The State College, the University, the three colleges of education, the Vanport Extension Center and the Portland Extension Center offer a full eleven-week quarter consisting of a six-week session and a five-week post session. The summer session of the Institute of Marine Biology is six weeks in length. Both undergraduate and graduate courses are offered at the University, State College, and Portland sessions. Information concerning the summer sessions is issued in separate bulletins.

## Enrollment in General Extension Division

JULY 1, 1947— JUNE 30, 1948

|  | Under-graduate | Graduate   | Total          |
|--|----------------|------------|----------------|
| Portland Extension Center .....                      | 4,353          | 484        | 4,837          |
| Vanport Extension Center .....                       | 1,961          | .....      | 1,961          |
| <b>State-Wide Classes:</b>                           |                |            |                |
| Albany .....   | 85             | 18         | 103            |
| Astoria .....  | 45             | .....      | 45             |
| Baker .....  | 44             | .....      | 44             |
| Bend .....   | 55             | 2          | 57             |
| Clatskanie .....                                     | 19             | .....      | 19             |
| Colton .....   | 18             | .....      | 18             |
| Coos Bay .....                                       | 118            | .....      | 118            |
| Coquille .....                                       | 125            | .....      | 125            |
| Corvallis .....                                      | 164            | 5          | 169            |
| Cottage Grove .....                                  | 37             | .....      | 37             |
| Creswell .....                                       | 21             | .....      | 21             |
| Dallas .....   | 32             | .....      | 32             |
| Drain .....  | 20             | .....      | 20             |
| Enterprise .....                                     | 19             | .....      | 19             |
| Eugene .....   | 884            | 53         | 937            |
| Florence .....                                       | 38             | .....      | 38             |
| Forest Grove .....                                   | 49             | .....      | 49             |
| Grants Pass .....                                    | 69             | 1          | 70             |
| Hermiston .....                                      | 43             | .....      | 43             |
| Hillsboro .....                                      | 74             | 12         | 86             |
| Hood River .....                                     | 90             | .....      | 90             |
| John Day .....                                       | 26             | .....      | 26             |
| Junction City .....                                  | 23             | .....      | 23             |
| Klamath Falls .....                                  | 293            | 18         | 311            |
| La Grande .....                                      | 14             | 12         | 26             |
| Lakeview .....                                       | 19             | .....      | 19             |
| Lebanon .....  | 74             | 7          | 81             |
| McMinnville .....                                    | 59             | .....      | 59             |
| Malin .....  | 13             | .....      | 13             |
| Medford .....  | 95             | 19         | 114            |
| Milton .....   | 34             | .....      | 34             |
| Myrtle Creek .....                                   | 19             | .....      | 19             |
| Myrtle Point .....                                   | 27             | .....      | 27             |
| Newberg .....  | 30             | 26         | 56             |
| Newport .....  | 43             | .....      | 43             |
| Nyssa .....  | 25             | .....      | 25             |
| Ontario .....  | 102            | .....      | 102            |
| Oregon City .....                                    | 35             | 6          | 41             |
| Pendleton .....                                      | 62             | .....      | 62             |
| Portland .....                                       | 11             | 7          | 18             |
| Prineville .....                                     | 55             | .....      | 55             |
| Redmond .....  | 22             | .....      | 22             |
| Roseburg .....                                       | 131            | 22         | 153            |
| Salem .....  | 281            | 43         | 324            |
| Seaside .....  | 27             | .....      | 27             |
| Springfield .....                                    | 104            | .....      | 104            |
| Stayton .....  | 34             | .....      | 34             |
| St. Helens .....                                     | 74             | 4          | 78             |
| Sweet Home .....                                     | 16             | .....      | 16             |
| Taft .....   | 18             | .....      | 18             |
| The Dalles .....                                     | 37             | .....      | 37             |
| Tillamook .....                                      | 53             | .....      | 53             |
| Toledo .....   | 24             | .....      | 24             |
| Vernonia .....                                       | 22             | .....      | 22             |
| Woodburn .....                                       | 20             | .....      | 20             |
| <b>Out-of-State:</b>                                 |                |            |                |
| Boise, Idaho .....                                   | 40             | .....      | 40             |
| <b>Total, State-Wide Classes .....</b>               | <b>4,011</b>   | <b>255</b> | <b>*4,266</b>  |
| <b>Correspondence Study .....</b>                    | <b>4,547</b>   | .....      | <b>*4,547</b>  |
| <b>Grand Total, General Extension Division .....</b> | <b>14,872</b>  | <b>739</b> | <b>*15,611</b> |

\*Includes 289 who took combination class and correspondence-study courses.



## Student Council

Vanport is student-run. "We school ourselves in self-discipline as well as credits," one young woman council member said.





## Housing for Married or Single Students

Within a short distance from the campus, housing may be available for married or single students. Rates are reasonable, whether you prefer furnished or unfurnished accommodations.

Vanport cafeteria—meals at cost — at convenient hours.





## Student Cooperative Stores

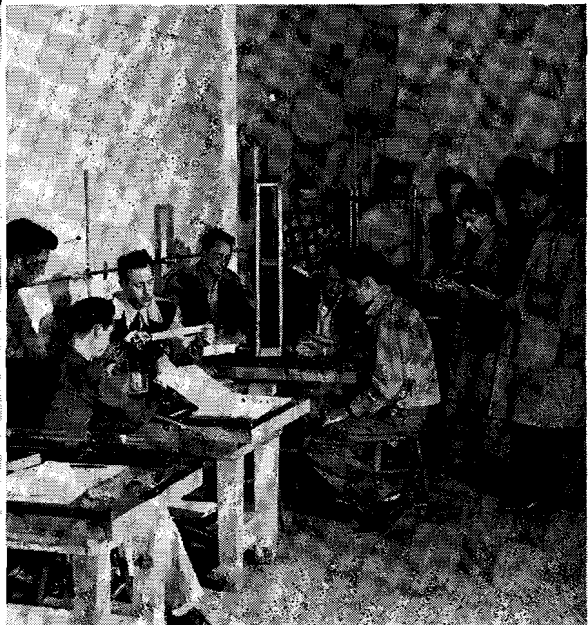
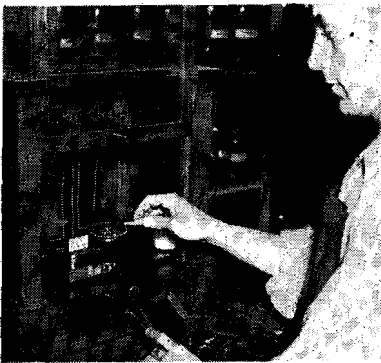
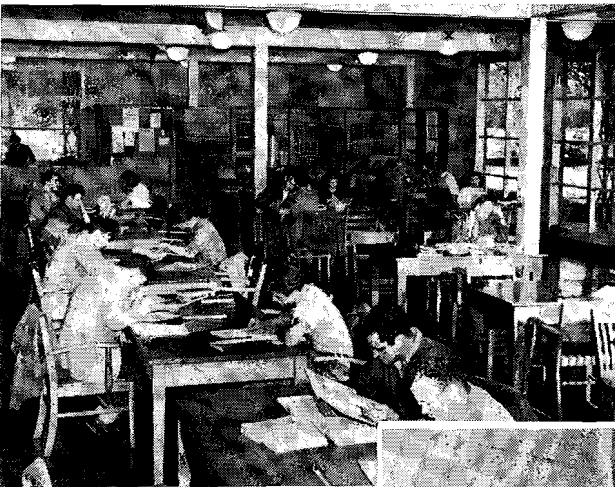
School supplies are available through the Coop. Membership is strictly limited to students and staff of the Vanport Extension Center. All prices are at list cost.





## Classes

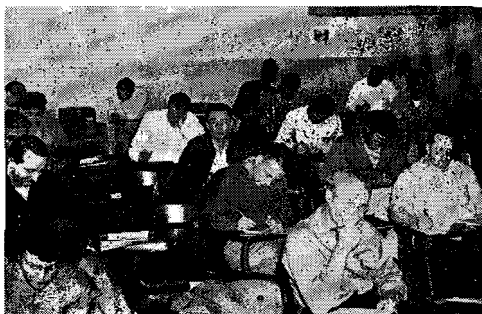
Equipment meets high standards of modern education.





## Instruction

is comparable to that offered on the same level in other institutions.



## Campus Activities at Vanport



From "campus queen" contests and rallies to fund drives and philanthropic appeals—the student body is active.





On the serious side, special meetings and field trips receive the whole-hearted cooperation of Vanport students.



## Oregon State System of Higher Education

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

The institutions of the State System of Higher Education are the University of Oregon at Eugene, Oregon State College at Corvallis, the Oregon College of Education at Monmouth, the Southern Oregon College of Education at Ashland, and the Eastern Oregon College of Education at La Grande. The University of Oregon Medical School and the University of Oregon Dental School are located in Portland.

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

At the University and the State College two years of unspecialized work in liberal arts and sciences are provided on a parallel basis in the lower division. Major curricula, both liberal and professional, are grouped on either campus in accordance with the distinctive functions of the respective institutions in the unified State System of Higher Education.

## Correspondence Courses

Through the General Extension Division, the following correspondence courses are available anywhere in Oregon to adults who are not able to attend the classes given by the Oregon State System of Higher Education on the campuses or in extension. Credit earned in correspondence courses may be counted toward graduation from the University of Oregon, Oregon State College, and the Oregon colleges of education. For information and catalog, write to the General Extension Division, Oregon State System of Higher Education, Eugene, Oregon.

- AGRICULTURE**  
 Farm Accounting  
 Anthropology
- ARCHITECTURE**  
 Mechanical Drawing  
 House Planning  
 Stresses  
 Elementary Structural Design  
 Lower-Division Landscape Design
- ART**  
 Freehand Drawing  
 Design I
- ASTRONOMY**  
 Astronomy  
 Astronomy (Short Course)
- AVIATION**  
 Air Navigation  
 Aerodynamics  
 Airplane Powerplants  
 Elements of Navigation:  
 Marine and Celestial
- BIOLOGY**  
 Biological Science Survey  
 Bird Study
- BOTANY**  
 Introductory Botany  
 Systematic Botany  
 Advanced Systematic Botany  
 Shrubs and Trees
- BUSINESS**
- ADMINISTRATION**  
 Constructive Accounting  
 Cost Accounting  
 Business Law  
 Real-Estate Fundamentals  
 Problems in Distribution  
 General Advertising
- CITIZENSHIP**  
 Preparation for Citizenship
- ECONOMICS**  
 Economic History  
 Principles of Economics  
 Outline of Economics  
 Economics of Business  
 Organization and Finance  
 Money, Banking and Economic Crises
- EDUCATION**  
 Mental Hygiene  
 Educational Psychology  
 Oregon School Law and System of Education  
 Health Education  
 Introduction to Education  
 Curriculum Construction  
 General History of Education  
 History of Modern Education  
 Child Study  
 Psychology of Adolescence  
 Hygiene of Learning  
 Measurement in Secondary Education  
 Character Education  
 Primary Education  
 Intermediate and Upper Grade Education
- ENGINEERING**  
 Engineering Drawing  
 Mechanics: Statics  
 Mechanics: Dynamics  
 Refrigeration
- WRITTEN ENGLISH**  
 Principles of Good Writing  
 Exposition, Narration and Argument
- Introduction to Short Story Writing  
 Short Story Writing  
 Business English  
 Advanced Writing  
 Advanced Short Story Writing  
 Book and Play Reviewing:  
 A Course in Literary Criticism  
 Versification  
 English Composition for Teachers  
 Prose Manuscript Grammar, Punctuation, and Usage Review  
 Magazine Writing  
 Manuscript Criticism
- LITERATURE**  
 Survey of English Literature  
 Early American Literature  
 Recent American Literature  
 Shakespeare  
 Survey of American Literature  
 English and American Poetry, 1910-20  
 Contemporary English Novels  
 Living Writers  
 English Novel  
 Twentieth Century Literature  
 Nineteenth Century American Novel  
 Contemporary American Novel
- GEOGRAPHY**  
 General Geography  
 Geography of North America
- GEOLOGY**  
 Geology I  
 Historical Geology
- HISTORY**  
 World History  
 English History  
 History of Modern Europe  
 History of the United States  
 History of Oregon  
 Hispanic America  
 Far East in Modern Times  
 History of France  
 American Foreign Relations
- HOME ECONOMICS**  
 Child Development  
 Household Management  
 Clothing Selection  
 House Furnishing
- JOURNALISM**  
 Elementary Journalism  
 Feature Writing  
 Newswriting for Publicity  
 Chairmen
- LANDSCAPE ARCHITECTURE**  
 Lower-Division Landscape Design
- LATIN**  
 Beginning Latin and Caesar  
 Cicero  
 Latin Literature: Horace
- LIBRARY METHODS**  
 Book Selection and Evaluation  
 Children's Literature  
 Cataloging
- MATHEMATICS**  
 Elements of Algebra  
 Elements of Geometry  
 Intermediate Algebra  
 Elementary Analysis  
 College Algebra  
 Plane Trigonometry
- Mathematics of Finance  
 Introduction to Analysis (Trigonometry)  
 Analytical Geometry  
 Differential and Integral Calculus  
 Advanced College Algebra  
 Theory of Equations  
 Elements of Navigation  
 Elements of Statistics  
 Differential Equations  
 Refresher Mathematics  
 Solid Analytical Geometry
- MODERN LANGUAGES**  
 First-Year French  
 Second-Year French  
 French Literature  
 First-Year Spanish  
 Second-Year Spanish
- PHYSICS**  
 College Physics  
 History and Teaching of Physics  
 Meteorology  
 Advanced Meteorology  
 Fundamentals of Radio
- PHYSIOLOGY**  
 Elementary Physiology
- POLITICAL SCIENCE**  
 American National Government  
 American State and Local Governments  
 Preparation for Citizenship
- PSYCHOLOGY**  
 General Psychology  
 Genetic Psychology  
 Abnormal Psychology
- SECRETARIAL SCIENCE**  
 Stenography (Gress)  
 Stenography (Thomas)  
 Typing  
 Office Organization and Management
- SOCIOLOGY**  
 General Sociology  
 Criminology  
 Matrimonial Institutions  
 Community Problems  
 Modern Social Problems
- ZOOLOGY**  
 Bird Study  
 Elementary Physiology
- HIGH-SCHOOL COURSES**  
 Introduction to Accounting  
 Elementary Commercial English  
 English I to VIII  
 English Composition  
 English Grammar and Usage  
 Grammar, Punctuation, and Usage Review  
 Beginning Latin  
 Caesar  
 Elementary Algebra  
 Intermediate Algebra  
 Plane Geometry  
 Solid Geometry  
 Physics  
 Civics  
 American History  
 World History  
 Elementary Economics  
 Social Problems  
 Mechanical Drawing  
 Arithmetic  
 Biology  
 Principles of Radio  
 Spanish

Oregon State System  
of Higher Education  
**BULLETIN**

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**August 1948**

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