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OF OREGON
BULLETIN

University
of Oregon

EUGENE • OREGON

CATALOG
ISSUE
1951-52

OREGON STATE SYSTEM OF HIGHER EDUCATION

University of Oregon

CATALOG

1951-52



Eugene, Oregon

UNIVERSITY OF OREGON BULLETIN

NUMBER 13

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University of Oregon

CATALOG

1951-52

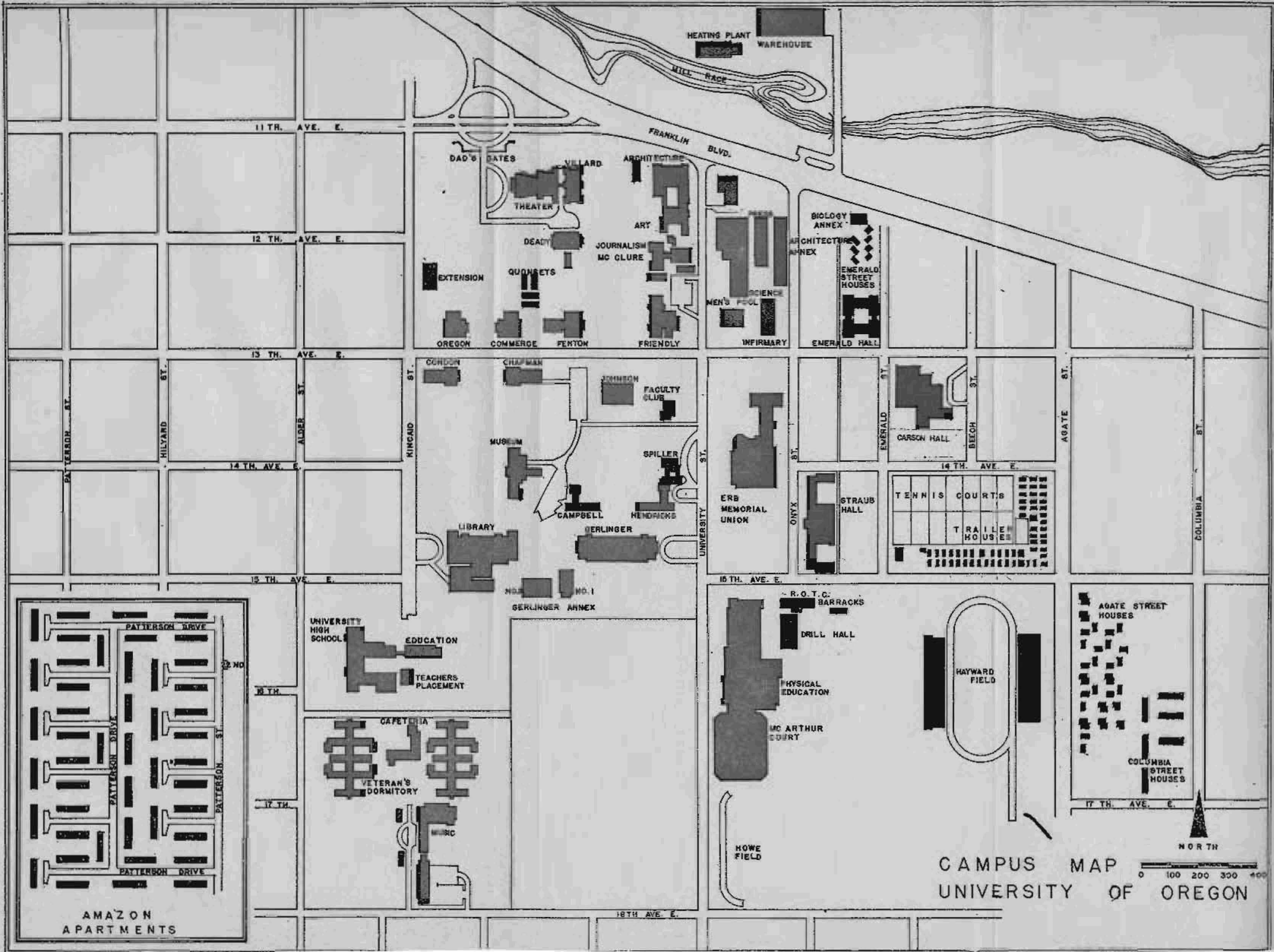


Table of Contents

	Page
OREGON STATE SYSTEM OF HIGHER EDUCATION.....	5
State Board of Higher Education.....	5
State System of Higher Education.....	6
Officers of Administration.....	7
UNIVERSITY CALENDAR, 1951-52.....	8
UNIVERSITY STAFF.....	10
Officers of Administration.....	10
Service Divisions.....	10
University Faculty.....	13
GENERAL INFORMATION.....	45
History.....	45
Income.....	46
Campus.....	47
Libraries.....	47
Museums and Collections.....	50
Official Publications.....	52
ACADEMIC REGULATIONS.....	54
Admission.....	54
Entrance Examinations.....	56
Degrees.....	56
Academic Procedure.....	59
Fees and Deposits.....	61
STUDENT LIFE AND WELFARE.....	65
Office of Student Affairs.....	65
New-Student Week.....	66
Student Living.....	66
Student Health Service.....	71
Student Loan Funds.....	71
Scholarships and Fellowships.....	73
Prizes and Awards.....	78
Erb Memorial Student Union.....	81
Extracurricular Activities.....	82
Alumni Association.....	85
COLLEGE OF LIBERAL ARTS.....	86
Group Requirement.....	87
Special Curricula.....	88
Interdepartmental Courses.....	97
Anthropology.....	98
Biology.....	101
Chemistry.....	105
Economics.....	109
English.....	113
Foreign Languages.....	120
Geography and Geology.....	131
History.....	136
Home Economics.....	140
Mathematics.....	141
Nursing Education.....	146
Philosophy.....	147
Physics.....	148
Political Science.....	151
Psychology.....	154
Religion.....	160
Sociology.....	161
Speech.....	164
Bureau of Municipal Research and Service.....	168

SCHOOL OF ARCHITECTURE AND ALLIED ARTS.....	169
Basic Design.....	171
Architecture.....	171
Interior Design.....	174
Landscape Architecture.....	175
Drawing and Painting.....	178
Sculpture.....	179
Applied Design.....	180
Art History.....	182
Art Education.....	183
SCHOOL OF BUSINESS ADMINISTRATION.....	185
Business Administration.....	187
Secretarial Science.....	193
DENTAL SCHOOL.....	194
SCHOOL OF EDUCATION.....	195
State Teacher's Certificate.....	199
Subject Preparation.....	200
Education.....	206
Library Courses.....	211
SCHOOL OF HEALTH AND PHYSICAL EDUCATION.....	213
Health Education.....	217
Physical Education.....	219
SCHOOL OF JOURNALISM.....	226
SCHOOL OF LAW.....	232
MEDICAL SCHOOL.....	240
SCHOOL OF MUSIC.....	241
DEPARTMENT OF MILITARY AND AIR SCIENCE AND TACTICS.....	250
GRADUATE SCHOOL.....	254
SUMMER SESSIONS.....	264
GENERAL EXTENSION DIVISION.....	265
ENROLLMENT AND DEGREES, 1949-50.....	268
INDEX.....	270

169	Group Administration
171	Special Services
171	Administrative Services
174	Anthropology
175	History
175	Chemistry
175	Physics
175	Mathematics
175	English
175	Foreign Languages
175	Education
175	Business Administration
175	Law
175	Medicine
175	Music
175	Military and Air Science and Tactics
175	Graduate Studies
175	Summer Sessions
175	General Extension Division
175	Enrollment and Degrees, 1949-50
175	Index



CAMPUS MAP
UNIVERSITY OF OREGON

State Board of Higher Education

	Term Expires
LEIF S. FINSETH, Dallas.....	1952
FRANK J. VAN DYKE, Medford.....	1953
HENRY F. CABELL, Portland.....	1954
EDGAR W. SMITH, Portland.....	1955
A. S. GRANT, Baker.....	1956
CHERYL S. MACNAUGHTON, Portland.....	1957
GEORGE F. CHAMBERS, Salem.....	1957
HERMAN OLIVER, John Day.....	1958
R. E. KLEINSORGE, Silverton.....	1959

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R. E. KLEINSORGE.....Vice-President

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R. E. KLEINSORGE

CHARLES D. BYRNE, Chancellor and
Secretary of the Board

Office of the State Board of Higher Education
Eugene, Oregon

Oregon State System of Higher Education

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

The institutions of the State System of Higher Education are the University of Oregon at Eugene, Oregon State College at Corvallis, the Oregon College of Education at Monmouth, the Southern Oregon College of Education at Ashland, and the Eastern Oregon College of Education at La Grande. The University of Oregon Medical School 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 un-specialized 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.

Oregon State System of Higher Education

CHARLES D. BYRNE, D.Ed., Chancellor

FREDERICK M. HUNTER, Ed.D., LL.D., Honorary Chancellor

HARRY K. NEWBURN, Ph.D.
President, University of Oregon

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

DAVID W. E. BAIRD, M.D., LL.D.
Dean, University of Oregon Medical
School

ROBEN J. MAASKE, Ph.D.
President, Oregon College of Educa-
tion

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

RODERICK G. LANGSTON, Ed.D.
President, Eastern Oregon College of
Education

Office of the Chancellor

RICHARD L. COLLINS, M.A., C.P.A. Budget Director
TRAVIS CROSS, B.A. Director of the Division of Information

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HERBERT A. BORK, M.S., C.P.A. Comptroller
JOHN L. WATSON, B.B.A., C.P.A. Assistant Comptroller
HAROLD ROWLEY, B.S. Chief Accountant
WILLIAM R. STOVALL Assistant Chief Accountant
THOMAS F. ADAMS, B.S. Cost Accountant and Property Custodian

Teacher Education

PAUL B. JACOBSON, Ph.D. Director of High-School Teacher Education
ROBEN J. MAASKE, Ph.D. Director of Elementary Teacher Education

General Extension Division

JOHN F. CRAMER, D.Ed. Dean and Director of General Extension
VIRON A. MOORE, M.A. Assistant Director of General Extension

Libraries

WILLIAM H. CARLSON, M.A. Director of Libraries
ELZIE V. HERBERT Head of Orders Department
IMOGENE CUSAC, B.A., B.A. in L.S. Cataloger for Union Catalog

High-School Relations

E. DEAN ANDERSON, M.A. Executive Secretary

1951

ACADEMIC CALENDAR

JUNE 1951

S	M	T	W	T	F	S
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JULY 1951

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AUGUST 1951

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SEPTEMBER 1951

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OCTOBER 1951

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NOVEMBER 1951

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DECEMBER 1951

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Fall Term, 1951-52

September 16-22, *Sunday* to *Saturday*.....
New-Student Week and Registration

September 22, *Saturday*.....Last day for
payment of fees without penalty

September 24, *Monday*.....Classes begin

October 8, *Monday*.....Last day for
registration or for change of program

October 13, *Saturday*.....Portland football
game, no classes

November 22-25, *Thursday* to
Sunday.....Thanksgiving vacation

December 14-19, *Friday* to *Wednesday*.....Fall-
term examinations

December 19, *Wednesday*.....Fall term ends

Winter Term, 1951-52

January 2, *Wednesday*.....Registration
for new students

January 2, *Wednesday*.....Classes begin

January 7, *Monday*.....Last day for
payment of fees without penalty

January 16, *Wednesday*.....Last day for
registration or for change of program

March 17-22, *Monday* to
Saturday.....Winter-term examinations

March 22, *Saturday*.....Winter term ends

1952

UNIVERSITY OF OREGON

JANUARY 1952

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FEBRUARY 1952

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MARCH 1952

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APRIL 1952

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MAY 1952

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JUNE 1952

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JULY 1952

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17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

Spring Term, 1951-52

March 31, *Monday*. Registration for new students

March 31, *Monday*.....Classes begin

April 5, *Saturday*.....Last day for
payment of fees without penalty

April 14, *Monday*.....Last day for
registration or for change of program

May 30, *Friday*.....Memorial Day, holiday

June 9-14, *Monday* to
Saturday.....Spring-term examinations

June 14, *Saturday*.....Alumni Day

June 15, *Sunday*.....Baccalaureate and
Commencement Day

Summer Session, 1952

June 23, *Monday*.....Registration

June 24, *Tuesday*.....Classes begin

June 30, *Monday*.....Last day for
addition of new courses or new registration

July 4, *Friday*.....Independence Day, holiday

July 18, *Friday*.....Last day to
withdraw from courses

August 14-15, *Thursday* and
Friday.....Final examinations

August 15, *Friday*.....Summer session ends

University of Oregon

Officers of Administration

CHARLES D. BYRNE, D.Ed. Chancellor, State System of Higher Education
 HARRY K. NEWBURN, Ph.D. President, University of Oregon

DAVID W. E. BAIRD, M.D., LL.D. Dean of Medicine
 CLIFFORD L. CONSTANCE, M.A. Registrar
 DONALD M. DUSHANE, M.A. Director of Student Affairs
 CARL W. HINTZ, A.M.L.S. Librarian
 ORLANDO J. HOLLIS, B.S., J.D. Dean of Law
 PAUL B. JACOBSON, Ph.D. Dean of Education; Director of Summer Sessions
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 SIDNEY W. LITTLE, M.Arch. Dean of Architecture and Allied Arts
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 GORDON A. SABINE, Ph.D. Dean of Journalism

Service Divisions

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 GLADYS KERLEE Secretary to the President
 RACHEL JOHNSON Secretary

Business Office

J. ORVILLE LINDSTROM, B.S. Business Manager
 EDGAR W. MARTIN, B.S. Assistant Business Manager
 WILLIAM A. ZIMMERMAN, B.S. Business Manager, Medical School
 TED RUSSELL, M.S. Business Manager, Dental School
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 ELAINE SEEGAR Requisition Clerk
 ROBERT E. SIMMONS, B.S. Payroll Clerk
 ARTHUR RICE, B.A. Veterans Accountant
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 SQUIRE BOZORTH, M.D. Assistant Physician
 LEOTA B. BOYINGTON, R.N. Superintendent of Nurses
 GERTRUDE SMITH, R.N. Hospital Supervisor
 HANNA M. FOOTE, R.N. X-ray and Laboratory Technician
 CASSIE DE COURCEY, R.N. Nurse
 ONALEE FROST, R.N. Nurse
 ERMA UPSHAW, R.N. Nurse
 RUTH HANNA, R.N. Nurse
 RUTH MIDTHUN, R.N. Nurse

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 *WILLIAM F. LINDGREN, B.S., B.S. in L.S. Catalog Librarian

* On leave for military service.

ROBERT R. MCCOLLOUGH, M.S., M.A.....Catalog Librarian
 CORWIN V. SEITZ, B.A.....Acquisition Librarian
 BETTY MAE STAMM, B.A.....Acquisition Librarian
 GERTRUDE STOLPER, B.A., B.S. in L.S.....Acquisition Librarian
 LOIS I. BAKER, M.A.....Law Librarian
 THOMAS H. CAHALAN, M.S. in L.S.....Dental School Librarian
 BERTHA M. HALLAM, B.A.....Medical School Librarian
 IONE F. PIERRON, B.A., B.S. in L.S.....Municipal Research Librarian

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 H. PHILIP BARNHART, B.S.....Foods Director

Physical Plant

IRVIN I. WRIGHT, B.S.....Superintendent of Physical Plant
 HARRY D. JACOBY, B.S.....Assistant Superintendent of Physical Plant

University Press

FRED A. BEARD.....Superintendent of University Press

Registrar's Offices

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 CAROLINE H. POMMARANE, B.S.....Registrar, Medical School
 TED RUSSELL, M.S.....Registrar, Dental School

Student Affairs

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 KARL W. ONTHANK, M.A.....Associate Director (Graduate Placement)
 JAMES D. KLINE, B.A.....Associate Director (Veterans and Foreign-
 Students Advising; Men's Dormitory Counseling)
 CLIFFORD L. CONSTANCE, M.A.....Registrar
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 PAT A. KILLGALLON, D.Ed.....Director of Reading Clinic
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 EDITH R. JACOBS, A.M.....Counselor for Women
 HERBERT C. McMURTRY, Ph.D.....Counselor (Counseling Center)
 LEONA E. TYLER, Ph.D.....Counselor (Counseling Center)

LESTER E. ANDERSON, B.S.....Alumni Secretary
 RICHARD C. WILLIAMS, B.S.....Director, Student Union
 LEO A. HARRIS, M.A.....Athletic Director

* Retirement effective June 30, 1951.

University Faculty*

CHARLES D. BYRNE, D.Ed., Chancellor, Oregon State System of Higher Education.

B.S. (1921), M.S. (1922), Wisconsin; D.Ed. (1938), Stanford. Chancellor, State System, since 1950.

HARRY K. NEWBURN, Ph.D., President, University of Oregon.

B.Ed. (1928), Western Illinois State; A.M. (1931), Ph.D. (1933), Iowa. At Oregon since 1945.

ABBY ADAMS, M.A., Instructor in Education; Supervisor of Foreign Languages, University High School.

B.A. (1925), Oregon; M.A. (1932), Washington. At Oregon since 1944.

ADELINE A. ADAMS, B.A., B.S. in L.S., Acquisition Librarian.

B.A. (1937), Oregon; B.S. in L.S. (1940), Southern California. At Oregon since 1937.

JAMES W. AIKEN, B.S., Associate Professor of Physical Education; Head Football Coach.

B.S. (1923), Washington and Jefferson. At Oregon since 1947.

FLORENCE D. ALDEN, M.A., Professor Emeritus of Physical Education.

A.B. (1904), Smith; M.A. (1928), Columbia. At Oregon since 1921.

LYNN ALEXANDER, M.F.A., Assistant Professor of Art.

B.S. (1942), M.F.A. (1947), Oregon. At Oregon since 1947.

DONALD W. ALLTON, Mus.M., A.A.G.O., Assistant Professor of Organ and Theory of Music.

Mus.B. (1936), Mus.M. (1938), Eastman School of Music; A.A.G.O. (1933), American Guild of Organists. At Oregon since 1944.

LESTER E. ANDERSON, B.S., Alumni Secretary.

B.S. (1946), Oregon. At Oregon since 1946.

GEORGE F. ANDREWS, B.S., Reg. Archt., Assistant Professor of Architecture.

B.S. (1941), Michigan; Reg. Archt. (1946), State of Illinois. At Oregon since 1948.

VICTORIA AVAKIAN, M.F.A., Associate Professor of Art.

B.A. (1927), Oregon; M.F.A. (1939), Southern California. At Oregon since 1920.

CURTIS E. AVERY, M.A., Professor of Education; Director of E. C. Brown Trust.

B.A. (1925), Pomona; M.A. (1928), Yale. At Oregon since 1946.

J. EDWIN BAILEY, B.A., Assistant University Editor.

B.A. (1923), Montana. At Oregon since 1938.

† ROBESON BAILEY, A.B., Associate Professor of English.

A.B. (1929), Harvard. At Oregon since 1949.

DAVID W. E. BAIRD, M.D., LL.D., Dean of the Medical School; Professor of Medicine.

M.D. (1926), Oregon; LL.D. (1946), Portland. At Oregon since 1927.

* This list includes the principal administrative officials and the heads of departments and divisions of the University of Oregon Medical School and the University of Oregon Dental School. For a complete list of the members of these faculties, see the Medical School and Dental School catalogs.

† Resigned Mar. 21, 1951.

- LOIS I. BAKER, M.A., Law Librarian.
B.A. (1927), M.A. (1932), Oregon; Cert. (1935), California. At Oregon since 1935.
- WALLACE S. BALDINGER, Ph.D., Associate Professor of Art.
B.A. (1928), M.A. (1932), Oberlin; Ph.D. (1938), Chicago. At Oregon since 1944.
- EWART M. BALDWIN, Ph.D., Associate Professor of Geology; Curator of Condon Museum of Geology.
B.S. (1938), M.S. (1939), Washington State; Ph.D. (1943), Cornell. At Oregon since 1947.
- WESLEY C. BALLAINE, Ph.D., Professor of Business Administration; Director, Bureau of Business Research.
A.B. (1927), M.B.A. (1931), Washington; Ph.D. (1940), Chicago. At Oregon since 1941.
- BURT BROWN BARKER, A.B., LL.D., Vice-President Emeritus.
A.B. (1897), Chicago; LL.B. (1901), Harvard; LL.D. (1935), Linfield. At Oregon since 1928.
- EUGENE B. BARNES, Ph.D., Head Acquisition Librarian.
B.A. (1941), M.A. (1943), Minnesota; Ph.D. (1947), Chicago. At Oregon since 1947.
- HOMER G. BARNETT, Ph.D., Professor of Anthropology.
A.B. (1927), Stanford; Ph.D. (1938), California. At Oregon since 1939.
- JAMES D. BARNETT, Ph.D., Professor Emeritus of Political Science.
B.A. (1890), College of Emporia; Ph.D. (1905), Wisconsin. At Oregon since 1908.
- H. PHILIP BARNHART, B.S., Foods Director, Dormitories.
B.S. (1947), Pennsylvania State. At Oregon since 1949.
- CHANDLER B. BEALL, Ph.D., Professor of Romance Languages.
Diplôme (1921), Sorbonne; A.B. (1922), Ph.D. (1930), Johns Hopkins. At Oregon since 1929.
- FRED A. BEARD, Superintendent of University Press.
At Oregon since 1948.
- GEORGE N. BELKNAP, M.A., University Editor.
B.A. (1926), M.A. (1934), Oregon. At Oregon since 1934.
- KARL J. BELSER, M.Arch., Reg.Arch., Associate Professor of Architecture.
B.S. Arch. (1925), Michigan; M.Arch. (1927), Harvard; Reg. Archt. (1931), State of Michigan. At Oregon since 1945.
- ERWIN T. BENDER, D.D.S., Associate Professor of Dentistry; Superintendent of Clinics, Dental School.
D.D.S. (1924), Iowa. At Dental School since 1943.
- ROBERT L. BENSON, M.D., Clinical Professor of Medicine, Medical School; Head of Division of Allergy.
M.D. (1910), Rush. At Oregon since 1913.
- JOEL V. BERREMAN, Ph.D., Professor of Sociology; Acting Head of Department of Sociology.
B.A. (1927), Willamette; M.A. (1933), Oregon; Ph.D. (1940), Stanford. At Oregon since 1946.
- AGNES L. BEST, M.A., Instructor in Education; Supervisor of Physical Education for Girls, University High School.
B.S. (1933), M.A. (1938), Iowa. At Oregon since 1947.
- EDWIN R. BINGHAM, Ph.D., Instructor in History.
B.A. (1941), M.A. (1942), Occidental; Ph.D. (1951), California at Los Angeles. At Oregon since 1949.
- FRANCIS W. BITTNER, M.A., Assistant Professor of Piano.
B.Mus. (1936), Cincinnati Conservatory of Music; M.A. (1943), New York University. At Oregon since 1946.

- FRANK G. BLACK, Ph.D., Professor of English.
A.B. (1921), Dickinson; A.M. (1923), Ph.D. (1936), Harvard. At Oregon since 1936.
- FRANK W. BLISS, JR., M.A., Instructor in English.
A.B. (1947), Emory; M.A. (1948), Minnesota. At Oregon since 1949.
- JESSE H. BOND, Ph.D., Professor Emeritus of Business Administration.
B.A. (1909), M.A. (1913), Oregon; Ph.D. (1915), Wisconsin. At Oregon since 1928.
- JOHN W. BORCHARDT, B.S., Instructor in Physical Education; Head Swimming Coach.
B.S. (1940), LaCrosse Teachers. At Oregon since 1948.
- GEORGE BOUGHTON, Mus.M., Assistant Professor of Violin.
B.F.A. (1940), Mus.M. (1943), South Dakota. At Oregon since 1945.
- ELIZABETH LOUISE BOWDEN, B.A., B.L.S., Social Science Librarian.
B.A. (1946), B.L.S. (1947), Wisconsin. At Oregon since 1950.
- RAY P. BOWEN, Ph.D., Professor Emeritus of Romance Languages.
A.B. (1905), Harvard; A.M. (1915), Ph.D. (1916), Cornell. At Oregon since 1925.
- WILLIAM J. BOWERMAN, B.S., Instructor in Physical Education; Head Track Coach; Assistant Football Coach.
B.S. (1933), Oregon. At Oregon since 1948.
- GUY L. BOYDEN, M.D., Clinical Professor of Otolaryngology, Medical School; Head of Department of Otology, Rhinology, and Laryngology.
B.S. (1907), South Dakota Agricultural; M.D. (1911), Northwestern. At Oregon since 1922.
- C. VALENTINE BOYER, Ph.D., Professor Emeritus of English.
B.S. (1902), M.A. (1909), Ph.D. (1911), Princeton. At Oregon since 1926.
- SQUIRE BOZORTH, M.D., Assistant University Physician.
M.D. (1925), Oregon. At Oregon 1932-45 (Medical School) and since 1947.
- QUIRINUS BREEN, Ph.D., Professor of History and Social Science; Chairman, Social Science Group.
A.B. (1920), Calvin; Ph.D. (1931), Chicago. At Oregon since 1938.
- EYLER BROWN, M.Arch., Reg.Arch., Associate Professor of Architecture.
B.A. (1916), B.S. in Arch. (1917), Oregon; M.Arch. (1922), Massachusetts Institute of Technology; Reg. Archt. (1924), State of Oregon. At Oregon since 1922.
- DORIS H. BRUNTON, B.A., Instructor in Business Administration.
B.A. (1946), Oregon. At Oregon since 1946.
- ORIN K. BURRELL, M.A., C.P.A., Professor of Business Administration.
B.S. (1921), M.A. (1927), Iowa; C.P.A. (1928), State of Oregon. At Oregon since 1927.
- WILLIAM Y. BURTON, M.D., Associate Clinical Professor of Radiology, Medical School; Head of Division.
A.B. (1931), B.S. (1932), Missouri; M.D. (1936), Washington University. At Oregon since 1940.
- THOMAS H. CAHALAN, M.S. in L.S., Librarian of the Dental School.
B.A. (1940), Iowa; B.S. in L.S. (1941), M.S. in L.S. (1945), Illinois. At Oregon since 1946.
- CARROLL C. CALKINS, B.A., Instructor in Journalism.
B.A. (1946), Oregon. At Oregon since 1950.
- DORIS HELEN CALKINS, B.M., Instructor in Harp.
B.M. (1931), Oregon. At Oregon since 1931.

- DOWELL A. CALLIS, M.Th., C.P.A.**, Assistant Professor of Business Administration.
B.Th. (1934), B.Public Speaking (1935), M.Th. (1935), Northwest Christian; B.S. (1942), Oregon; C.P.A. (1946), State of Oregon. At Oregon since 1947.
- KENNETH A. CANTWELL, D.M.D.**, Associate Professor of Dentistry, Dental School; Head of Department of Operative Dentistry.
B.S. (1938), Utah State; D.M.D. (1943), North Pacific. At Dental School since 1943.
- ***BETTY H. CARKIN, B.A.**, Instructor in Business Administration.
B.A. (1949), Oregon. At Oregon since 1949.
- J. SPENCER CARLSON, M.A.**, Assistant Professor of Psychology; Associate Director of Student Affairs.
B.S. (1935), Oregon; M.A. (1937), Minnesota. At Oregon since 1947.
- ELLA S. CARRICK, B.A.**, Senior Catalog Librarian.
B.A. (1929), Oregon. At Oregon since 1929.
- THOMAS R. CASSIDY, M.A.**, Reference Librarian.
B.A. (1947), George Washington; A.B.L.S. (1948), M.A. (1949), Michigan. At Oregon since 1950.
- ALBUREY CASTELL, Ph.D.**, Professor of Philosophy; Head of Department.
B.A. (1928), M.A. (1929), Toronto; Ph.D. (1931), Chicago. At Oregon since 1949.
- ALBERT E. CASWELL, Ph.D.**, Professor Emeritus of Physics.
A.B. (1908), Ph.D. (1911), Stanford. At Oregon 1913-32 and since 1934.
- JAMES C. CAUGHLAN, Ph.D.**, Associate Professor of Education.
B.A. (1924), Willamette; M.A. (1942), Columbia; Ph.D. (1947), Yale. At Oregon since 1949.
- LIONEL T. CHADWICK, B. Arch.**, Reg. Archt., Instructor in Architecture.
B.Arch. (1934), Manitoba; Reg. Archt. (1946), State of California. At Oregon since 1950.
- SHANG-YI CH'EN, Ph.D.**, Associate Professor of Physics.
B.S. (1932), M.S. (1934), Yenching; Ph.D. (1940), California Institute of Technology. At Oregon since 1949.
- IRWIN J. CHRISTOPHER, M.A.**, Instructor in Mathematics.
A.B. (1946), Knox; M.A. (1950), Oregon. At Oregon since 1950.
- JOHN I. CHURCH, M.A.**, Instructor in English.
B.A. (1940), DePauw; M.A. (1949), Oregon. At Oregon since 1949.
- PAUL CIVIN, Ph.D.**, Associate Professor of Mathematics.
B.A. (1939), Buffalo; M.A. (1941), Ph.D. (1942), Duke. At Oregon since 1946.
- CLARENCE W. CLANCY, Ph.D.**, Associate Professor of Biology.
B.S. (1930), M.S. (1932), Illinois; Ph.D. (1940), Stanford. At Oregon since 1940.
- †**DAN E. CLARK, Ph.D.**, Professor of History; Head of Department.
B.A. (1907), Ph.D. (1910), Iowa. At Oregon since 1921.
- ‡**ROBERT D. CLARK, Ph.D.**, Professor of Speech; Assistant to the Dean of the College of Liberal Arts.
A.B. (1931), Pasadena; M.A. (1935), Ph.D. (1946), Southern California. At Oregon since 1943.
- DUNCAN W. CLEAVES, Ph.D.**, Instructor in Chemistry.
B.S. (1940), Brown; Ph.D. (1951), California. At Oregon since 1950.
- KERMIT G. CLEMANS, M.A.**, Instructor in Mathematics.
B.S. (1943), Jamestown; M.A. (1948), Minnesota. At Oregon since 1950.

* Resigned Mar. 31, 1951.

† Retirement effective June 30, 1951.

‡ On sabbatical leave 1950-51.

- MERREL D. CLUBB, JR., M.A.**, Instructor in English.
B.A. (1943), Oklahoma Agricultural and Mechanical; M.A. (1949), Yale. At Oregon since 1949.
- RUTH COFFEY, B.S.**, Foods Service Supervisor, Student Union.
B.S. (1939), St. Teresa. At Oregon since 1950.
- HERMAN COHEN, M.A.**, Instructor in Speech.
B.A. (1948), M.A. (1949), Iowa. At Oregon since 1949.
- ROSE V. COLEMAN, M.A.**, Instructor in English.
B.A. (1944), Utah; M.A. (1949), Arizona. At Oregon since 1949.
- FREDERICK M. COMBELLACK, Ph.D.**, Associate Professor of Classical Languages.
B.A. (1928), Stanford; Ph.D. (1936), California. At Oregon since 1937.
- NEWEL H. COMISH, Ph.D.**, Professor of Business Administration.
B.S. (1911), Utah State; M.S. (1915), Ph.D. (1929), Wisconsin. At Oregon since 1932.
- WILLIAM S. CONKLIN, M.D.**, Assistant Clinical Professor of Medicine, Medical School; Head of Division of Chest Diseases.
A.B. (1931), Dartmouth; M.D. (1934), Pennsylvania. At Oregon since 1940.
- CLIFFORD L. CONSTANCE, M.A.**, Registrar.
B.A. (1925), M.A. (1929), Oregon. At Oregon since 1931.
- GUSTAVO CORREA, Ph.D.**, Assistant Professor of Romance Languages.
Licenciado (1941), Escuela Normal Superior (Bogotá, Colombia); Ph.D. (1947), Johns Hopkins. At Oregon since 1950.
- ***CHRISTINA A. CRANE, Ph.D.**, Assistant Professor of Romance Languages.
A.B. (1926), Colorado College; M.A. (1931), Ph.D. (1939), Oregon. At Oregon since 1926.
- JAMES R. CREIGHTON, Captain, Infantry**; Assistant Professor of Military Science and Tactics.
At Oregon since 1950.
- LUTHER S. CRESSMAN, Ph.D.**, Professor of Anthropology; Head of Department; Curator of Anthropology; Director, Museum of Natural History.
A.B. (1918), Pennsylvania State; S.T.B. (1923), General Theological Seminary; M.A. (1923), Ph.D. (1925), Columbia. At Oregon since 1929.
- ROBERT C. CROFT, M.S.**, Instructor in Social Science.
B.S. (1949), M.S. (1950), Oregon. At Oregon since 1950.
- HAROLD R. CROSLAND, Ph.D.**, Associate Professor of Psychology.
A.B. (1913), South Carolina; M.A. (1914), Ph.D. (1916), Clark. At Oregon since 1920.
- CALVIN CRUMBAKER, Ph.D.**, Professor Emeritus of Economics.
B.S. (1911), Whitman; M.A. (1927), Washington; Ph.D. (1930), Wisconsin. At Oregon since 1930.
- ROBERT W. CRYDER, M.A.**, Administrative Assistant, Library.
A.B. (1948), M.A. (1949), Illinois. At Oregon since 1951.
- JOHN H. CUNNINGHAM, B.A.**, Lieutenant Colonel, Transportation Corps; Assistant Professor of Military Science and Tactics; Acting Head of Department of Military and Air Science and Tactics.
B.A. (1928), Ohio State. At Oregon since 1949.
- FREDERICK A. CUTHBERT, M.L.D.**, Professor of Landscape Architecture.
A.B. (1926), M.L.D. (1928), Michigan. At Oregon since 1932.
- EDMUND A. CYKLER, Ph.D.**, Associate Professor of Music.
B.A. (1926), California; Ph.D. (1928), Charles (Czechoslovakia). At Oregon since 1947.
- * On leave of absence, spring term, 1950-51.

- WALFRED A. DAHLBERG, M.A., Associate Professor of Speech.
A.B. (1925), Michigan; M.A. (1930), Northwestern. At Oregon since 1932.
- FRANCIS E. DART, Ph.D., Assistant Professor of Physics.
A.B. (1937), Oberlin; M.S. (1939), Notre Dame; Ph.D. (1947), Cornell. At Oregon since 1949.
- NORMAN A. DAVID, M.D., Professor of Pharmacology, Clinical Instructor in Medicine, Medical School; Head of Department of Pharmacology.
A.B. (1925), M.D. (1931), California. At Oregon since 1937.
- LAURENCE E. DAVIDSON, B.A., Night Manager, Student Union.
B.A. (1950), Oregon. At Oregon since 1950.
- SHIRLEY G. DAWLEY, B.S., Instructor in Clarinet.
B.S. (1950), Oregon. At Oregon since 1950.
- *HOWARD E. DEAN, Ph.D., Assistant Professor of Political Science.
B.A. (1939), California at Los Angeles; Ph.D. (1950), Columbia. At Oregon since 1947.
- ROBERT B. DEAN, Ph.D., Assistant Professor of Chemistry.
B.A. (1935), California; Ph.D. (1938), Cambridge. At Oregon since 1947.
- DONALD G. DE BRODT, M.A., Instructor in English.
A.B. (1946), M.A. (1948), Wayne. At Oregon since 1949.
- CHARLES F. DELZELL, M.A., Instructor in History.
B.S. (1941), Oregon; M.A. (1943), Stanford. At Oregon since 1950.
- ROBERT DE MARIA, M.A., Instructor in English.
B.A. (1948), M.A. (1949), Columbia. At Oregon since 1949.
- LEROY E. DETLING, Ph.D., Assistant Professor of Botany; Curator of Herbarium.
A.B. (Romance Languages) (1921), Oregon; A.M. (French) (1923), A.M. (Botany) (1933), Ph.D. (Biological Sciences) (1936), Stanford. At Oregon 1927-30 and since 1936.
- PAUL J. DEUTSCHMANN, B.S., Instructor in Journalism.
B.S. (1940), Oregon. At Oregon since 1950.
- JAMES D. DEVINE, M.A., Instructor in Romance Languages.
B.A. (1949), M.A. (1950), Washington. At Oregon since 1950.
- SAMUEL N. DICKEN, Ph.D., Professor of Geography and Geology; Head of Department.
B.A. (1924), Marietta; Ph.D. (1930), California. At Oregon since 1947.
- MILTON DIETERICH, M.Mus., Assistant Professor of Music.
B.Mus. (1923), Grinnell; M.Mus. (1941), Eastman School of Music. At Oregon since 1946.
- RICHARD B. DILLEHUNT, M.A., Dean Emeritus of the Medical School.
M.D. (1910), Chicago. At Oregon since 1912.
- HENRY H. DIXON, M.D., Clinical Professor of Psychiatry, Medical School; Head of Division.
M.D. (1928), Washington University. At Oregon since 1932.
- WILFRID J. DIXON, Ph.D., Associate Professor of Mathematics.
B.A. (1938), Oregon State; M.A. (1939), Wisconsin; M.A. (1942), Ph.D. (1944), Princeton. At Oregon since 1946.
- HENRIETTA DOLTZ, M.N., R.N., Professor of Nursing Education; Director of Department.
B.A. (1928), Park; M.N. (1938), Washington; R.N. (1931), State of New York. At Oregon since 1940.

* On leave for military service.

- DAVID M. DOUGHERTY, Ph.D., Professor of Romance Languages; Head of Department of Foreign Languages.
A.B. (1925), Delaware; A.M. (1927), Ph.D. (1932), Harvard. At Oregon since 1947.
- PAUL S. DULL, Ph.D., Associate Professor of Political Science and History.
B.A. (1935), Ph.D. (1940), Washington. At Oregon since 1946.
- CHARLES T. DUNCAN, M.A., Associate Professor of Journalism.
A.B. (1936), M.A. (1946), Minnesota. At Oregon since 1950.
- DONALD M. DUSHANE, M.A., Director of Student Affairs; Lecturer in Political Science.
B.A. (1927), Wabash; M.A. (1937), Columbia. At Oregon since 1948.
- EDWIN G. EBBIGHAUSEN, Ph.D., Associate Professor of Physics.
B.S. (1936), Minnesota; Ph.D. (1940), Chicago. At Oregon since 1946.
- RAYMOND T. ELLICKSON, Ph.D., Professor of Physics; Head of Department; Associate Dean of the Graduate School.
B.A. (1935), Reed; M.A. (1936), Oregon State; Ph.D. (1938), Chicago. At Oregon since 1948.
- PAUL W. ELLIS, Ph.D., Associate Professor of Economics.
A.B. (1931), Willamette; M.A. (1933), Oregon; Ph.D. (1943), Columbia. At Oregon since 1946.
- ARNOLD ELSTON, Ph.D., Associate Professor of Music.
B.A. (1930), College of City of New York; M.A. (1932), Columbia; Ph.D. (1939), Harvard. At Oregon since 1941.
- ROBERT H. ENGLISH, M.A., Instructor in Speech.
A.B. (1947), M.A. (1950), College of Pacific. At Oregon since 1950.
- SHELDON D. ERICKSEN, M.A., Assistant Professor of Geography.
B.A. (1934), M.A. (1946), Utah. At Oregon since 1948.
- HELEN K. ERICKSON, B.A., B.A. in L.S., Science Librarian.
B.A. (1936), B.A. in L.S. (1936), Washington. At Oregon since 1948.
- ALICE H. ERNST, M.A., Associate Professor Emeritus of English.
B.A. (1912), M.A. (1913), Washington. At Oregon since 1924.
- *RUDOLF H. ERNST, Ph.D., Professor of English.
B.A. (1904), Northwestern College; M.A. (1911), Ph.D. (1921), Harvard. At Oregon since 1923.
- FRANK G. EVERETT, D.M.D., M.D., Associate Professor of Dentistry, Dental School; Acting Head of Department of Oral Pathology.
M.D. (1932), Vienna; B.S. (1941), D.M.D. (1941), North Pacific; M.S. (1948), Oregon. At Dental School since 1941.
- WILLIAM J. FEENEY, M.A., Instructor in English.
B.A. (1946), M.A. (1948), Kansas. At Oregon since 1950.
- ROBERT R. FERENS, M.Arch., Assistant Professor of Architecture.
B.Arch. (1942), Pratt Institute; M.Arch. (1948), Massachusetts Institute of Technology. At Oregon since 1948.
- ELIZABETH FINDLY, A.M.L.S., Head Reference and Documents Librarian.
A.B. (1929), Drake; B.S. in L.S. (1934), Illinois; A.M.L.S. (1945), Michigan. At Oregon since 1934.
- JACK E. FINK, M.A., Instructor in English.
B.A. (1939), M.A. (1940), Washington University. At Oregon since 1950.

* Retirement effective June 30, 1951.

- ANDREW FISH, Ph.D., Professor Emeritus of History.
B.A. (1920), M.A. (1921), Oregon; Ph.D. (1923), Clark. At Oregon since 1920.
- JOHN H. FITZGIBBON, M.D., Clinical Professor of Medicine, Medical School;
Head of Division of Gastroenterology.
A.B. (1917), Oregon; M.D. (1920), Rush. At Oregon since 1922.
- HENRY C. FIXOTT, JR., D.M.D., Clinical Associate in Dentistry; Head of Department of Radiology, Dental School.
D.M.D. (1938), North Pacific. At Oregon since 1947.
- MARIE FLACK, B.A., B.S. in L.S., Catalog Librarian.
B.A. (1922), Kentucky; B.S. in L.S. (1939), Illinois. At Oregon since 1950.
- SAVILLE T. FORD, M.B.A., Assistant Professor of Business Administration.
B.S. (1939), M.B.A. (1949), Pennsylvania. At Oregon since 1949.
- JOHN M. FOSKETT, Ph.D., Associate Professor of Sociology.
A.B. (1932), M.A. (1935), Ph.D. (1939), California. At Oregon since 1946.
- BROWNELL FRASIER, B.A., Associate Professor of Interior Design.
B.A. (1921), Oregon. At Oregon since 1931.
- EMIL D. FURRER, M.D., Assistant Professor of Health Education.
B.A. (1926), M.D. (1929), Oregon. At Oregon since 1947.
- NORRIS M. GADDIS, M.A., Reg. Archt., Assistant Professor of Architecture.
B.S. (1936), Iowa State; M.A. (1940), Columbia; N.C.A.R.B. (1946). At Oregon since 1948.
- VAN R. GAERTNER, Ph.D., Assistant Professor of Chemistry.
B.S. (1945), Bradley; Ph.D. (1948), Illinois. At Oregon since 1949.
- JACOB E. GAIR, Ph.D., Assistant Professor of Geology.
A.B. (1946), Rochester; Ph.D. (1949), Johns Hopkins. At Oregon since 1949.
- MAUDE GARNETT, M.A., Associate Professor of Public-School Music.
B.S. (1931), Idaho; M.A. (1934), New York University. At Oregon since 1940.
- RUTH M. GAUGL, B.A., Instructor in Business Administration.
B.A. (1936), Washington State. At Oregon since 1948.
- HERMAN GELHAUSEN, B.S., Associate Professor of Voice.
B.S. (1939), Columbia. At Oregon since 1946.
- ALICE GEROT, B.A., B.S. in L.S., Instructor in Education; Supervisor of Library,
University High School.
B.A. (1937), Oregon; B.S. in L.S. (1946), Denver. At Oregon since 1943.
- KENNETH S. GHENT, Ph.D., Associate Professor of Mathematics.
B.A. (1932), McMaster; S.M. (1933), Ph.D. (1935), Chicago. At Oregon since 1935.
- MURRAY F. GIBBONS, JR., LL.B., Major, Infantry; Assistant Professor of Military
Science and Tactics.
B.A. (1939), LL.B. (1941), Oklahoma. At Oregon since 1949.
- BERNARDO GICOVATE, Dr. en letras, Assistant Professor of Romance Languages.
B.A. (1945), Bowdoin; M.A. (1946), North Carolina; Dr. en letras (1943), Buenos Aires.
At Oregon since 1949.
- JOHN W. GIERHART, M.A., Instructor in Geography.
B.A. (1947), Oregon; M.A. (1949), Syracuse. At Oregon since 1950.
- JAMES H. GILBERT, Ph.D., Professor Emeritus of Economics.
B.A. (1903), Oregon; Ph.D. (1907), Columbia. At Oregon since 1907.
- JEAN K. GLAZER, M.A., Assistant Professor of Art.
B.A. (1940), Oregon; M.A. (1949), Institute of Design (Chicago). At Oregon 1943-44
and since 1947.

- ROBERT C. GORDON, M.A., Instructor in English.
B.A. (1942), North Carolina; M.A. (1947), Harvard. At Oregon since 1950.
- GORDON B. GREB, M.A., Instructor in Journalism.
B.A. (1947), California; M.A. (1950), Minnesota. At Oregon since 1950.
- STACEY L. GREEN, Mus.M., Assistant Professor of Piano.
A.B. (1922), Northland; Mus.M. (1940), Northwestern. At Oregon since 1944.
- MARK R. GREENE, M.B.A., Assistant Professor of Business Administration.
A.B. (1947), M.B.A. (1948), Stanford. At Oregon since 1949.
- VIRGINIA GREER, M.A., Instructor in Education; Supervisor of Social Studies,
University High School.
B.A. (1929), M.A. (1935), Oregon. At Oregon since 1943.
- ROBERT J. GREINER, B.S., Major, Transportation Corps; Assistant Professor of
Military Science and Tactics.
B.S. (1942), Alabama. At Oregon since 1949.
- RAYMOND D. GRONDAHL, M.D., Assistant Professor of Clinical Pathology, Medi-
cal School; Head of Division.
B.S. (1939), Washington State; M.S. (1944), M.D. (1944), Oregon. At Oregon since
1944.
- FRANKLIN B. HAAR, Ph.D., Professor of Health Education.
B.P.E. (1928), Springfield; M.A. (1933), Ph.D. (1946), Pittsburgh. At Oregon since
1949.
- GEORGE D. HADLEY, M.A., Instructor in Education; Supervisor of Social Science,
University High School.
B.E. (1937), Northern Illinois State Teachers; M.A. (1942), Colorado State College of
Education. At Oregon since 1946.
- JOHN E. HALE, M.A., Instructor in Education; Supervisor of Science, University
High School.
B.A. (1928), Nebraska; M.A. (1938), Colorado. At Oregon since 1945.
- ROBERT C. HALL, Associate Professor Emeritus of Journalism.
At Oregon since 1917.
- BERTHA B. HALLAM, B.A., Librarian of the Medical School.
B.A. (1931), Oregon. At Oregon since 1919.
- WILLIAM E. HANES, Lieutenant Colonel, Air Force; Assistant Professor of Air
Science and Tactics.
At Oregon since 1949.
- FREDERICK T. HANNAFORD, B.A., Reg. Archt., Professor of Architecture.
B.A. (1924), Washington State; Reg. Archt. (1931), State of Florida. At Oregon since
1946.
- GENE HARLOW, B.S., Assistant Football Coach.
B.S. (1942), Vanderbilt. At Oregon since 1951.
- LEO A. HARRIS, M.A., Professor of Physical Education; Athletic Director.
A.B. (1927), M.A. (1929), Stanford. At Oregon since 1947.
- FREDERICK P. HAUGEN, M.D., Associate Professor of Anaesthesiology, Medical
School; Head of Division.
B.A. (1933), M.D. (1935), Oregon. At Oregon since 1948.
- RAY HAWK, D.Ed., Associate Director of Student Affairs.
B.S. (1947), M.S. (1948), D.Ed. (1949), Oregon. At Oregon since 1950.

- *WALLACE S. HAYDEN, B.Arch., Reg. Archt., Associate Professor of Architecture.
B.Arch. (1928), Oregon; Reg. Archt. (1935), State of Oregon. At Oregon since 1930.
- ARTHUR C. HEARN, Ed.D., Associate Professor of Education.
A.B. (1934), M.A. (1937), Ed.D. (1949), Stanford. At Oregon since 1950.
- ROLAND H. HEATLIE, M.A., Instructor in Germanic Languages.
B.A. (1942), Minnesota; M.A. (1950), Washington. At Oregon since 1950.
- FREDERICK H. HEIDEL, B.S., B.F.A., Instructor in Art.
B.S. (1938), Oregon; B.F.A. (1940), Art Institute of Chicago. At Oregon since 1949.
- CARL G. HELLER, M.D., Associate Clinical Professor of Medicine, Medical School;
Head of Division of Endocrinology.
Ph.B. (1935), Ph.D. (1940), M.D. (1940), Wisconsin. At Oregon since 1944.
- RAYMOND C. HENDRICKSON, M.S., Instructor in Education; Supervisor of Physical Education, University High School.
B.S. (1935), M.S. (1947), Oregon. At Oregon since 1935.
- EDWIN L. HIBNER, B.S., Lieutenant Colonel, Air Force; Professor of Air Science and Tactics.
B.S. (1949), Akron. At Oregon since 1948.
- ALLAN J. HILL, JR., M.D., Professor of Pediatrics, Medical School; Head of Department.
B.S. (1937), M.B. (1939), M.D. (1940), Minnesota. At Oregon since 1950.
- CARL W. HINTZ, A.M.L.S., Librarian.
A.B. (1932), De Pauw; A.B.L.S. (1933), A.M.L.S. (1935), Michigan. At Oregon since 1948.
- CLARENCE V. HODGES, M.D., Associate Professor of Urology, Medical School; Head of Division.
B.S. (1937), Iowa State; M.D. (1940), Chicago. At Oregon since 1948.
- HUBERT H. HOELTJE, Ph.D., Professor of English.
B.A. (1919), M.A. (1926), Ph.D. (1932), Iowa. At Oregon since 1947.
- BLAIR HOLCOMB, M.D., Clinical Professor of Medicine, Medical School; Head of Division of Diabetes and Metabolism.
M.D. (1919), Rush. At Oregon since 1922.
- ORLANDO J. HOLLIS, B.S., J.D., Dean of the School of Law; Professor of Law.
B.S. (1926), J.D. (1928), Oregon. At Oregon since 1928.
- CHARLES N. HOLMAN, M.D., Administrator and Medical Director of Hospitals and Clinics, Medical School; Associate Professor of Medicine.
B.A. (1931), M.D. (1936), Oregon. At Oregon since 1937.
- GEORGE HOPKINS, B.A., Professor of Piano.
Teachers Certificate (1918), Peabody Conservatory; B.A. (1921), Oregon. At Oregon 1919-23 and since 1925.
- ROBERT W. HORD, M.Mus., Assistant Professor of Piano.
B.M. (1938), Southern Methodist; Diploma (1942), Julliard; M.Mus. (1949), Southern California. At Oregon since 1947.
- ROBERT D. HORN, Ph.D., Professor of English.
B.A. (1922), M.A. (1924), Ph.D. (1930), Michigan. At Oregon since 1925.
- WILLIAM E. HOUSTON, B.A., Instructor in English.
B.A. (1948), Miami. At Oregon since 1950.
- CHARLES G. HOWARD, A.B., J.D., Professor of Law.
A.B. (1920), J.D. (1922), Illinois. At Oregon since 1928.

* On sabbatical leave 1950-51.

- GORDON D. HOYT, Ph.D., Assistant Professor of Physics.
B.S. (1939), M.A. (1941), Ph.D. (1950), Michigan. At Oregon since 1949.
- WILBUR R. HUBBARD, M.A., Instructor in Psychology.
B.A. (1948), Denver; M.A. (1950), Indiana. At Oregon since 1949.
- EVELYN E. HUDSON, M.S., Assistant Professor of Physical Education.
B.S. (1947), M.S. (1949), Oregon. At Oregon since 1949.
- RALPH R. HUESTIS, Ph.D., Professor of Zoology; Curator of Vertebrate Collections.
B.S.A. (1914), McGill; M.S. (1920), Ph.D. (1924), California. At Oregon since 1924.
- CARL L. HUFFAKER, Ph.D., Professor of Education.
B.S. (1915), Chicago; M.A. (1922), Ph.D. (1923), Iowa. At Oregon since 1927.
- DONALD L. HUNTER, B.S., Head, Audio-Visual Department, Library.
B.S. (1945), Nebraska. At Oregon since 1946.
- FREDERICK J. HUNTER, M.A., Instructor in Speech.
B.A. (1940), California; M.A. (1942), North Carolina. At Oregon since 1950.
- WARREN C. HUNTER, M.D., Professor of Pathology, Medical School; Head of Department.
B.A. (1920), Albany; M.A. (1927), Michigan; M.D. (1924), Oregon. At Oregon since 1922.
- EDITH R. JACOBS, A.M., Counselor for Women.
A.B. (1923), Parsons; A.M. (1928), Columbia. At Oregon since 1950.
- NOLAN P. JACOBSON, Ph.D., Visiting Professor of Religion; Acting Head of Department.
Ph.B. (1940), B.D. (1942), Emory; Ph.D. (1948), Chicago. At Oregon since 1950.
- PAUL B. JACOBSON, Ph.D., Dean of the School of Education; Director of Summer Sessions; Professor of Education.
B.A. (1922), Luther (Iowa); M.A. (1928), Ph.D. (1931), Iowa. At Oregon since 1947.
- HARRY D. JACOBY, B.S., Assistant Superintendent of Physical Plant.
B.S. (1940), Oregon. At Oregon since 1948.
- JOHN JAMES, Ph.D., Assistant Professor of Sociology.
B.S. (1936), Connecticut; M.A. (1942), Ph.D. (1949), Washington. At Oregon since 1949.
- BERTRAM E. JESSUP, Ph.D., Associate Professor of Philosophy.
B.A. (1927), M.A. (1935), Oregon; Ph.D. (1938), California. At Oregon since 1936.
- GEORGE S. JETTE, B.L.A., Assistant Professor of Landscape Architecture.
B.L.A. (1940), Oregon. At Oregon since 1941.
- JAMES R. JEWELL, Ph.D., LL.D., Professor Emeritus of Education.
A.B. (1903), Coe; M.A. (1904), Ph.D. (1906), Clark; LL.D. (1927), Arkansas. At Oregon since 1932.
- *CARL L. JOHNSON, Ph.D., Associate Professor of Romance Languages.
B.A. (1924), M.A. (1925), Iowa; Ph.D. (1933), Harvard. At Oregon since 1935.
- ELDON L. JOHNSON, Ph.D., Dean of the College of Liberal Arts; Dean of the Graduate School; Professor of Political Science.
A.B. (1929), Indiana State Teachers; Ph.M. (1933), Ph.D. (1939), Wisconsin. At Oregon since 1945.
- LOUIS H. JOHNSON, Comptroller Emeritus.
At Oregon since 1901.

* On sabbatical leave 1950-51.

- FAITH E. JOHNSTON, M.S., Assistant Professor of Home Economics.
B.S. (1929), Kansas State Teachers (Pittsburg); M.S. (1933), Kansas State. At Oregon since 1947.
- CATHERINE M. JONES, M.S., Instructor in Business Administration.
B.A. (1937), Iowa State Teachers; M.S. (1945), Oregon. At Oregon since 1946.
- GEORGE F. JONES, B.Comm., B.S., Head Circulation Librarian.
B.Comm. (1934), British Columbia; B.S. (1948), Columbia. At Oregon since 1948.
- ELLIS B. JUMP, D.M.D., Ph.D., Professor of Anatomy, Dental School; Head of Department.
A.B. (1932), Dartmouth; D.M.D. (1936), Harvard; Ph.D. (1944), Chicago. At Oregon since 1947.
- PAUL E. KAMBLY, Ph.D., Professor of Education.
B.Ed. (1930), Illinois State Normal; M.S. (1934), Ph.D. (1939), Iowa. At Oregon since 1946.
- SYLVAN N. KARCHMER, M.F.A., Instructor in English.
B.F.A. (1949), M.F.A. (1950), Texas. At Oregon since 1950.
- HERMAN KEHRLI, M.A., Director, Bureau of Municipal Research and Service; Associate Professor of Political Science.
B.A. (1923), Reed; M.A. (1933), Minnesota. At Oregon since 1933.
- *CARDINAL L. KELLY, M.A., C.P.A., Professor of Business Administration.
Ph.B. (1911), Chicago; M.A. (1923), Ohio State; C.P.A., State of Nebraska (1922), State of Oregon (1945). At Oregon since 1922.
- VERNON E. KERLEY, M.S., Instructor in Education; Supervisor of Mathematics, University High School.
B.S. (1929), M.S. (1931), Oregon State. At Oregon since 1933.
- MAUDE I. KERNS, B.A., B.S., Associate Professor Emeritus of Art.
B.A. (1899), Oregon; B.S. with Diploma in Fine Arts (1906), Columbia. At Oregon since 1921.
- PAT A. KILLGALLON, D.Ed., Professor of Education; Director of Reading Clinic.
A.B. (1926), M.Ed. (1932), D.Ed. (1942), Pennsylvania State. At Oregon since 1942.
- LYLE B. KINGERY, M.D., Clinical Professor of Dermatology and Syphilology, Medical School; Head of Division.
B.S. (1912), M.D. (1916), Michigan. At Oregon since 1923.
- DONALD H. KIRSCH, B.S., Instructor in Physical Education; Head Baseball Coach; Freshman Basketball Coach.
B.S. (1943), Oregon. At Oregon since 1947.
- EDWARD D. KITTOE, M.A., Assistant Professor of English.
B.A. (1931), M.A. (1936), Oregon. At Oregon since 1936.
- PAUL L. KLEINSORGE, Ph.D., Professor of Economics.
A.B. (1927), Ph.D. (1939), Stanford; M.B.A. (1929), Harvard. At Oregon since 1948.
- JAMES D. KLINE, B.A., Associate Director of Student Affairs.
B.A. (1937), Minnesota. At Oregon since 1947.
- ERNESTO R. KNOLLIN, M.A., Professor of Physical Education.
B.A. (1914), M.A. (1929), Stanford. At Oregon since 1929.
- HARRY T. KOPLIN, B.A., Instructor in Economics.
B.A. (1947), Oberlin. At Oregon since 1950.

* Retirement effective June 30, 1951.

- THEODORE KRATT, Mus.M., Mus.D., Dean of the School of Music; Professor of Music.
Mus.B. (1921), Mus.M. (1927), Mus.D. (1932), Chicago Musical College; Mus.D. (1938), Cincinnati Conservatory of Music. At Oregon since 1939.
- EDMUND P. KREMER, J.U.D., Professor of Germanic Languages.
J.U.D. (1924), Frankfort on Main. At Oregon since 1928.
- CLARICE KRIEG, A.M., Head Catalog Librarian.
B.A. (1932), Iowa; B.S. in L.S. (1933), A.M. (1935), Illinois. At Oregon since 1941.
- ADOLF H. KUNZ, Ph.D., Professor of Chemistry; Head of Department.
A.B. (1923), William Jewell; M.S. (1926), Ph.D. (1928), Iowa. At Oregon 1930-32 and since 1934.
- FRANK R. LACY, JR., A.B., J.D., Assistant Professor of Law.
A.B. (1946), Harvard; J.D. (1948), Iowa. At Oregon since 1949.
- EDNA LANDROS, Ph.D., Assistant Professor of Classical Languages.
A.B. (1913), Kansas; A.M. (1921), Arizona; Ph.D. (1935), Oregon. At Oregon since 1928.
- OLOF LARSELL, Ph.D., Sc.D., Professor of Anatomy, Medical School; Head of Department.
B.S. (1910), Sc.D. (1937), Linfield; M.A. (1914), Ph.D. (1918), Northwestern. At Oregon since 1921.
- WILLIAM S. LAUGHLIN, Ph.D., Assistant Professor of Anthropology.
B.A. (1941), Willamette; M.A. (1942), Haverford; A.M. (1948), Ph.D. (1949), Harvard. At Oregon since 1949.
- IRA D. LEE, M.M.E., Instructor in Brass Instruments.
B.M.E. (1946), M.M.E. (1947), Colorado. At Oregon since 1950.
- ROBERT W. LEEPER, Ph.D., Professor of Psychology.
B.A. (1925), Allegheny; M.A. (1928), Ph.D. (1930), Clark. At Oregon since 1937.
- RALPH W. LEIGHTON, Ph.D., D.Sc., Dean of the School of Health and Physical Education; Professor of Education.
B.A. (1925), D.Sc. (1941), College of Idaho; Ph.D. (1931), Oregon. At Oregon since 1931.
- HOWARD R. LEMONS, B.S., Assistant to the President.
B.S. (1948), Oregon. At Oregon since 1948.
- EDWARD C. A. LESCH, Ph.D., Professor of English.
B.A. (1925), M.A. (1926), Illinois; Ph.D. (1928), Princeton. At Oregon since 1928.
- HOWARD P. LEWIS, M.D., Professor of Medicine, Medical School; Head of Department.
B.S. (1924), Oregon State; M.D. (1930), Oregon. At Oregon since 1932.
- VERL S. LEWIS, M.A., Assistant Professor of Social Work.
B.A. (1933), Huron; M.A. (1939), Chicago. At Oregon since 1949.
- JERRY C. LILLIE, M.S., Instructor in Physical Education; Assistant Football Coach.
B.S. (1931), M.S. (1941), Oregon. At Oregon since 1949.
- *WILLIAM F. LINDGREN, B.S., B.S. in L.S., Catalog Librarian.
B.S. (1947), B.S. in L.S. (1948), Minnesota. At Oregon since 1948.
- J. ORVILLE LINDSTROM, B.S., Business Manager.
B.S. (1932), Oregon. At Oregon since 1932.

* On leave for military service.

- ARTHUR P. LITCHMAN, Publicity Director, Athletic Department.
At Oregon since 1946.
- SIDNEY W. LITTLE, M.Arch., Reg. Archt., Dean of the School of Architecture and Allied Arts; Professor of Architecture.
Diploma (1927), École des Beaux Arts; B.Arch. (1929), Cornell; M.Arch. (1942), Tulane; Reg. Archt. (1937), States of Alabama, Georgia, and Oregon. At Oregon since 1946.
- RICHARD A. LITTMAN, Ph.D., Assistant Professor of Psychology.
A.B. (1943), George Washington; Ph.D. (1948), Ohio State. At Oregon since 1948.
- ARTHUR E. LIVINGSTON, M.A., Instructor in Mathematics.
B.A. (1949), Fresno State; M.A. (1950), Oregon. At Oregon since 1951.
- WILLIAM K. LIVINGSTON, M.D., Kenneth A. J. Mackenzie Professor of Surgery, Medical School; Head of Department.
B.A. (1913), M.A. (1917), Oregon; M.D. (1920), Harvard. At Oregon since 1925.
- ARTHUR S. LOCKLEY, M.S., Instructor in Biology.
B.A. (1941), Queens University (Ontario); M.S. (1942), Michigan. At Oregon since 1949.
- ALFRED L. LOMAX, M.A., Professor of Business Administration.
B.B.A. (1923), Oregon; M.A. (1927), Pennsylvania. At Oregon since 1919.
- ROBERT C. LOOMIS, B.B.A., C.P.A., Instructor in Business Administration.
B.B.A. (1932), Oregon; C.P.A. (1938), State of Oregon. At Oregon since 1947.
- RHETTA M. LORENZEN, M.A., Instructor in Education; Supervisor of Commercial Studies, University High School.
B.A. (1946), Oregon State; M.A. (1949), Oregon. At Oregon since 1949.
- LEO S. LUCAS, M.D., Clinical Professor of Orthopaedic Surgery, Medical School; Head of Division.
B.A. (1919), Pacific; M.D. (1923), Oregon. At Oregon since 1924.
- *JOHN L. LUVAAS, LL.B., Special Lecturer in Law.
B.A. (1939), LL.B. (1942), Oregon. At Oregon 1951.
- EDMOND M. MACCOLLIN, M.Arch., Assistant Professor of Architecture.
B.Arch. (1947), Yale; M.Arch. (1948), Cornell. At Oregon since 1950.
- C. WARD MACY, Ph.D., Professor of Economics; Head of Department.
A.B. (1920), Grinnell; M.A. (1923), Iowa; Ph.D. (1932), Stanford. At Oregon since 1950.
- †FRANK R. MAERDIAN, B.S., Colonel, Infantry; Professor of Military Science and Tactics; Head of Department of Military and Air Science and Tactics.
B.S. (1928), U. S. Military Academy. At Oregon since 1947.
- MERL MARGASON, M.D., Clinical Professor of Medicine, Medical School; Head of Division of Neurology.
A.B. (1920), M.D. (1923), Oregon. At Oregon since 1926.
- MARGARET MARKLEY, A.B., B.S. in L.S., Senior Catalog Librarian.
A.B. (1933), Southwest Missouri State; B.S. in L.S. (1941), Illinois. At Oregon since 1945.
- EDGAR W. MARTIN, B.S., Assistant Business Manager.
B.S. (1948), Oregon. At Oregon since 1946.
- WALTER T. MARTIN, Ph.D., Assistant Professor of Sociology.
B.A. (1943), M.A. (1947), Ph.D. (1949), Washington. At Oregon since 1947.

* Appointment for winter term, 1950-51, only.

† Resigned Mar. 26, 1951.

- LAWRENCE N. MARX, Ph.D., Associate Professor of Psychology.
B.S. (1932), M.S. (1933), Kansas State; Ph.D. (1939), Ohio State. At Oregon since 1950.
- JEANNETTE A. MASILIONIS, M.S., Instructor in Physical Education.
B.S. Ed. (1944), M.S. (1945), Ohio. At Oregon since 1946.
- MARIE R. MASON, M.A., Instructor in Mathematics.
B.A. (1921), Oregon; M.A. (1929), Columbia. At Oregon since 1943.
- FRANK J. MASSEY, Ph.D., Assistant Professor of Mathematics.
A.B. (1941), M.A. (1944), Ph.D. (1947), California. At Oregon since 1948.
- JOHN E. MAXFIELD, M.S., Instructor in Mathematics.
B.S. (1947), Massachusetts Institute of Technology; M.S. (1949), Wisconsin. At Oregon since 1950.
- ROY C. MCCALL, Ph.D., Professor of Speech; Head of Department.
A.B. (1930), Redlands; M.A. (1931), Ph.D. (1936), Iowa. At Oregon since 1947.
- JOHN C. MCCLOSKEY, Ph.D., Associate Professor of English.
B.A. (1926), Loras; M.A. (1928), Iowa; Ph.D. (1939), Stanford. At Oregon 1933-36 and since 1938.
- ROBERT D. MCCLURE, Instructor in Physical Education; Assistant Football Coach.
At Oregon since 1949.
- ROBERT R. MCCOLLOUGH, M.A., M.S., Catalog Librarian.
B.A. (1940), M.A. (1942), Wyoming; M.S. (1950), Columbia. At Oregon since 1950.
- BAYARD H. MCCONNAUGHEY, Ph.D., Assistant Professor of Biology.
B.A. (1938), Pomona; M.A. (1941), Hawaii; Ph.D. (1948), California. At Oregon since 1948.
- DAVID J. MCCOSH, Associate Professor of Art.
Graduate (1927), Art Institute of Chicago. At Oregon since 1934.
- ROSE E. MCGREW, Professor Emeritus of Voice.
At Oregon since 1920.
- JOHN H. MCKAY, B.S., Instructor in Physical Education; Assistant Football Coach.
B.S. (1950), Oregon. At Oregon since 1950.
- HUGH MCKINLEY, B.A., Research Assistant, Bureau of Municipal Research and Service.
B.A. (1941), Reed. At Oregon since 1950.
- MARTHA L. MCMULLEN, M.A., Instructor in English.
B.A. (1933), College of Emporia; M.A. (1938), Colorado. At Oregon since 1946.
- HERBERT C. MCMURTRY, Ph.D., Counselor, University Counseling Center.
B.A. (1926), Yankton; M.A. (1931), Chicago; Ph.D. (1938), Oregon. At Oregon since 1945.
- *PAUL B. MEANS, Ph.D., Professor of Religion; Head of Department.
A.B. (1915), Yale; B.Litt. (1923), Oxford; Ph.D. (1934), Columbia. At Oregon since 1941.
- HOWARD V. MEREDITH, Ph.D., Professor of Physical Education.
B.A. (1931), M.A. (1932), Ph.D. (1935), Iowa. At Oregon since 1949.
- NICHOLAS MIHAILOV, JR., B.S., Major, Air Force; Assistant Professor of Air Science and Tactics.
B.S. (1940), Washington. At Oregon since 1950.
- ALVIN E. MILLER, B.Arch., Instructor in Architecture.
B.Arch. (1948), Rensselaer Polytechnic. At Oregon since 1948.

* On leave of absence 1950-51.

- FRED N. MILLER, M.D., F.A.C.P., Director of Health Service; Professor of Physical Education.
B.A. (1914), M.A. (1916), Lafayette; M.D. (1924), Chicago; F.A.C.P. (1941), American College of Physicians. At Oregon since 1925.
- MARIAN H. MILLER, M.D., Assistant University Physician; Associate Professor of Physical Education.
B.A. (1925), M.D. (1930), Oregon. At Oregon since 1931.
- LYOYD F. MILLHOLLEN, JR., M.S., Instructor in Education; Principal, University High School.
B.S. (1934), Oregon State; M.S. (1949), Oregon. At Oregon since 1946.
- RANDALL V. MILLS, M.A., Assistant Professor of English.
B.A. (1929), California at Los Angeles; M.A. (1932), California. At Oregon since 1938.
- JEFF MINCKLER, Ph.D., M.D., Associate Professor of Pathology, Dental School; Acting Head of Department of General Pathology.
A.B. (1937), Montana; M.A. (1939), Ph.D. (1939), Minnesota; M.D. (1944), St. Louis. At Oregon since 1949.
- ERNEST G. MOLL, A.M., Professor of English.
A.B. (1922), Lawrence; A.M. (1923), Harvard. At Oregon since 1928.
- WOODSIDE V. MONEGAN, M.B.A., C.P.A., Associate Professor of Business Administration.
Ph.B. (1936), Wisconsin; M.B.A. (1938), Harvard; C.P.A. (1947), State of Michigan. At Oregon since 1949.
- KIRT E. MONTGOMERY, Ph.D., Assistant Professor of Speech.
A.B. (1930), Carroll; M.A. (1939), Ph.D. (1948), Northwestern. At Oregon 1941-43 and since 1945.
- ROBERT L. MONTGOMERY, M.S., Instructor in Speech.
B.S. (1948), Minnesota; M.S. (1949), Wisconsin. At Oregon since 1949.
- A. R. MOORE, Ph.D., Research Professor Emeritus of General Physiology.
B.A. (1904), Nebraska; Ph.D. (1911), California. At Oregon 1926-32 and since 1934.
- CARLISLE MOORE, Ph.D., Assistant Professor of English; Assistant to the Dean of the College of Liberal Arts.
B.A. (1933), M.A. (1934), Ph.D. (1940), Princeton. At Oregon since 1946.
- *ELON H. MOORE, Ph.D., Professor of Sociology; Head of Department.
A.B. (1919), Albion; Ph.D. (1927), Wisconsin. At Oregon since 1935.
- JOSEPHINE S. MOORE, B.S., Manager of News Bureau.
B.S. (1931), Oregon. At Oregon since 1946.
- JENNELLE V. MOORHEAD, M.S., Associate Professor of Health Education.
B.A. (1925), Willamette; M.S. (1948), Oregon. At Oregon since 1946.
- TRUE MORRIS, M.A., Senior Humanities Librarian.
B.A. (1920), M.A. (1933), Oregon. At Oregon since 1934.
- VICTOR P. MORRIS, Ph.D., Dean of the School of Business Administration; Professor of Economics.
B.A. (1915), M.A. (1920), Oregon; Ph.D. (1930), Columbia. At Oregon 1919-20 and since 1926.
- PERRY D. MORRISON, M.A., Head Social Science Librarian.
A.B. (1942), M.A. (1947), Whittier; B.S.L.S. (1949), California. At Oregon since 1949.
- EDWARD MORTON, M.A., LL.M., J.D., Associate Professor of Law.
B.S. (1917), Pennsylvania; J.D. (1928), Stanford; LL.M. (1930), Harvard; M.A. (1932), California. At Oregon since 1948.

* On sabbatical leave, spring term, 1950-51.

- *ROBERT E. MOULTON, B.A., Research Assistant, Bureau of Municipal Research and Service.
B.A. (1950), Idaho. At Oregon since 1950.
- ANDREW F. MOURSUND, Ph.D., Professor of Mathematics; Head of Department.
B.A. (1923), M.A. (1927), Texas; Ph.D. (1932), Brown. At Oregon since 1931.
- THOMAS F. MUNDLE, M.A., Assistant Professor of English.
M.A. (1923), St. Andrews. At Oregon since 1940.
- †ARLENE T. MURRAY, M.A., Instructor in Political Science.
B.A. (1941), William and Mary; M.A. (1942), Clark. At Oregon 1951.
- MARJORIE MURRAY, M.A., Instructor in Physical Education.
B.S. (1940), Texas; M.A. (1947), New York University. At Oregon since 1949.
- WILLIAM H. MYER, M.A., Instructor in Romance Languages.
B.S. (1938), Haverford; M.A. (1939), New York University. At Oregon since 1949.
- IVAN B. NACY, Assistant Professor of Political Science.
At Oregon since 1949.
- LUCILLE R. NEEDHAM, M.S., Instructor in Business Administration.
B.S. (1945), M.S. (1948), Oregon. At Oregon 1946-47 and since 1950.
- LYLE M. NELSON, B.A., Director of Public Services.
B.A. (1942), Oregon. At Oregon 1942-43 and since 1947.
- FRANCES S. NEWSOM, B.A., Architecture and Allied Arts Librarian.
B.A. (1928), Oregon. At Oregon since 1950.
- ‡EGBERT R. NICHOLS, JR., Ph.D., Assistant Professor of Speech; Director of Forensics.
A.B. (1936), Redlands; M.A. (1937), Cornell; Ph.D. (1946), Southern California. At Oregon since 1947.
- IVAN M. NIVEN, Ph.D., Professor of Mathematics.
B.A. (1934), M.A. (1936), British Columbia; Ph.D. (1938), Chicago. At Oregon since 1947.
- WILL V. NORRIS, Sc.D., Professor of Physics.
A.B. (1918), William Jewell; M.S. (1920), Texas Christian; E.M. (1921), Sc.D. (1922), Colorado School of Mines. At Oregon since 1930.
- HAROLD J. NOYES, D.D.S., M.D., Dean of the Dental School; Professor of Dentistry; Clinical Professor of Dental and Oral Medicine and Head of Division, Medical School.
Ph.B. (1923), M.D. (1933), Chicago; B.S. (1928), D.D.S. (1928), Illinois. At Oregon since 1946.
- ROBERT E. NYE, Ph.D., Associate Professor of Music Education.
B.E. (1932), State Teachers College (Milwaukee, Wis.); M.A. (1942), Ph.D. (1949), Wisconsin. At Oregon since 1950.
- KENNETH J. O'CONNELL, LL.B., S.J.D., Professor of Law.
LL.B. (1933), S.J.D. (1934), Wisconsin. At Oregon since 1935.
- NORMAN C. ODOM, M.A., Instructor in Education; Supervisor of English, University High School.
B.A. (1942), North Central; M.A. (1951), Tulsa. At Oregon since 1949.
- ROBERT O. OFFICER, B.S., Instructor in Physical Education; Athletic Trainer.
B.S. (1943), Oregon. At Oregon since 1950.

* On leave for military service.

† Appointment for winter term, 1950-51, only.

‡ On leave of absence 1950-51.

- KARL W. ONTHANK, M.A., Associate Director of Student Affairs.
B.A. (1913), M.A. (1915), Oregon. At Oregon since 1916.
- EDWIN E. OSGOOD, M.D., Professor of Medicine, Medical School; Head of Division of Experimental Medicine and Division of Hematology.
B.A. (1923), M.A. (1924), M.D. (1924), Oregon. At Oregon since 1921.
- VINCENT A. OSTROM, M.A., Assistant Professor of Political Science.
B.A. (1942), M.A. (1945), California at Los Angeles. At Oregon since 1949.
- NORMAN H. OSWALD, Ph.D., Assistant Professor of English.
B.A. (1935), Reed; M.A. (1943), Ph.D. (1946), California. At Oregon since 1946.
- BETTIE JANE OWEN, M.A., Instructor in Physical Education.
B.S. (1946), Woman's College, North Carolina; M.A. (1950), New York University. At Oregon since 1950.
- JOSEPH M. PAGANO, B.S., Captain, Air Force; Assistant Professor of Air Science and Tactics.
B.S. (1939), Villanova, At Oregon since 1950.
- EARL M. PALLET, Ph.D., Professor of Education; Director of Teacher Placement Service.
B.S. (1921), M.S. (1922), Wisconsin; Ph.D. (1931), Oregon. At Oregon since 1927.
- EUGENE W. PALM, Major, Infantry; Assistant Professor of Military Science and Tactics.
At Oregon since 1950.
- ARTHUR PAP, Ph.D., Assistant Professor of Philosophy.
B.S. (1943), M.A. (1943), Ph.D. (1945), Columbia. At Oregon since 1949.
- JACK R. PARSONS, M.S., Assistant Professor of Sociology.
B.A. (1936), M.A. (1940), College of Pacific; M.S. (1943), Columbia. At Oregon since 1946.
- ARNO L. PEETERSON, M.B.A., Assistant Professor of Business Administration.
B.S. (1937), M.B.A. (1949), Oregon. At Oregon since 1946.
- MARY H. PERKINS, M.A., Professor Emeritus of English.
B.A. (1898), Bates; M.A. (1908), Radcliffe. At Oregon since 1908.
- THURMAN S. PETERSON, Ph.D., Associate Professor of Mathematics.
B.S. (1927), California Institute of Technology; M.S. (1928), Ph.D. (1930), Ohio State. At Oregon since 1938.
- NILKANTH M. PHATAK, Ph.D., Associate Professor of Pharmacology; Head of Department of Pharmacology, Dental School; Acting Head of Department of Physiology.
A.B. (1931), M.S. (1935), California; Ph.D. (1939), Cincinnati. At Dental School since 1940.
- RENÉ PICARD, Licencié-ès-lettres, Assistant Professor of Romance Languages.
Bacc. (1932), Melun; Licence-ès-lettres (1937), Paris. At Oregon since 1948.
- JOHN A. PIERCE-JONES, M.A., Instructor in Education and Psychology.
B.A. (1946), M.A. (1949), California. At Oregon since 1950.
- IONE F. PIERRON, B.A. in L.S., Municipal Research Librarian.
B.A. (1936), Puget Sound; B.A. in L.S. (1937), Washington. At Oregon since 1948.
- MARGARET S. POLEY, Ph.D., Associate Professor of Physical Education.
A.B. (1926), Colorado; M.S. (1930), Wellesley; Ph.D. (1948), Iowa. At Oregon since 1948.

- EARL S. POMEROY, Ph.D., Associate Professor of History.
B.A. (1936), San Jose State; M.A. (1937), Ph.D. (1940), California. At Oregon since 1949.
- CAROLINE H. POMMARANE, B.S., Registrar of the Medical School.
B.S. (1928), Nebraska. At Oregon since 1943.
- *PERRY J. POWERS, Ph.D., Assistant Professor of Romance Languages.
B.A. (1941), Oregon; Ph.D. (1947), Johns Hopkins. At Oregon since 1946.
- RICHARD J. PRASCH, B.A., Instructor in Art.
B.A. (1947), Washington. At Oregon since 1949.
- WARREN C. PRICE, M.A., Associate Professor of Journalism.
B.A. (1929), M.A. (1938), Wisconsin. At Oregon since 1942.
- WILLIAM W. PYLE, M.S., Assistant Professor of Business Administration.
B.S. (1937), M.S. (1940), Indiana State Teachers. At Oregon since 1947.
- FRANCIS J. REITHEL, Ph.D., Associate Professor of Chemistry.
B.A. (1936), Reed; M.A. (1938), Ph.D. (1942), Oregon. At Oregon since 1946.
- WILLIAM P. RHODA, D.Ed., Instructor in Physical Education.
B.S. (1939), Pennsylvania State; M.S. (1947), D.Ed. (1951), Oregon. At Oregon since 1948.
- RAYMONDE RICHARD, Licenciée-ès-lettres, Instructor in Romance Languages.
Bacc. (1940), Grenoble; Licence d'Anglais (1944), Diplôme d'études supérieures (1945), Nancy. At Oregon since 1949.
- W. DWAIN RICHINS, Ph.D., Assistant Professor of Business Administration.
B.A. (1936), Brigham Young; M.B.A. (1938), Louisiana State; Ph.D. (1950), Washington. At Oregon since 1949.
- †WILBUR P. RIDDLESBARGER, M.A., J.D., Special Lecturer in Law.
B.A. (1923), M.A. (1926), Nebraska; J.D. (1935), Oregon. At Oregon 1932-45 and 1950.
- BERNICE M. RISE, A.B., B.S. in L.S., Readers' Consultant and Browsing Room Librarian.
B.A. (1923), Oregon; B.S. in L.S. (1928), Columbia. At Oregon since 1923.
- PAUL L. RISLEY, Ph.D., Professor of Biology; Head of Department.
A.B. (1927), Albion; M.A. (1929), Ph.D. (1931), Michigan. At Oregon since 1945.
- EDWIN C. ROBBINS, JR., M.B.A., Instructor in Economics.
B.A. (1938), Oregon; M.B.A. (1943), Harvard. At Oregon since 1946.
- WILLIAM J. ROBERT, B.A., LL.B., Assistant Professor of Business Administration.
B.A. (1939), LL.B. (1941), Oregon. At Oregon since 1950.
- DARRELL L. ROBINSON, B.S., Ticket Manager, Athletic Department.
B.S. (1950), Oregon. At Oregon since 1950.
- HORACE W. ROBINSON, M.A., Associate Professor of Speech; Director of University Theater.
B.A. (1931), Oklahoma City; M.A. (1932), Iowa. At Oregon since 1933.
- ALAN W. ROECKER, Ph.M., Head Science Librarian.
Ph.B. (1938), B.L.S. (1950), Ph.M. (1943), Wisconsin. At Oregon since 1950.
- WILLIAM A. ROECKER, Ph.D., Assistant Professor of Germanic Languages.
B.A. (1934), M.A. (1936), Ph.D. (1948), California. At Oregon since 1949.
- MARION D. ROSS, M.Arch., Reg. Archt., Associate Professor of Architecture.
B.S. (1935), Pennsylvania State; M.Arch. (1937), Harvard. Reg. Archt. (1946), State of Louisiana. At Oregon since 1947.

* On leave of absence 1950-51.

† Appointment for fall term, 1950-51, only.

- *OSCAR S. ROTHBAUS, M.A., Instructor in Mathematics.
B.A. (1948), M.A. (1949), Princeton. At Oregon since 1950.
- J. FRANCIS RUMMEL, Ph.D., Assistant Professor of Education.
B.A. (1933), Iowa State Teachers; M.A. (1947), Ph.D. (1950), Iowa. At Oregon since 1950.
- HOMER P. RUSH, M.D., Clinical Professor of Medicine, Medical School; Head of Division of Cardiology.
M.D. (1921), A.B. (1922), M.A. (1923), Oregon. At Oregon since 1921.
- TED RUSSELL, M.S., Business Manager and Registrar, Dental School.
B.S. (1936), M.S. (1938), Oregon. At Oregon since 1947.
- CHARLES B. RYAN, M.F.A., Instructor in Art.
B.S. (1939), M.F.A. (1940), Oregon. At Oregon since 1946.
- GLADYS R. RYDEEN, M.Ed., Assistant Professor of Health Education.
B.A. (1930), Concordia; M.Ed. (1947), Minnesota. At Oregon since 1948.
- †GEORGE H. SABINE, Ph.D., Visiting Professor of Political Science.
A.B. (1903), Ph.D. (1906), Cornell. At Oregon 1951.
- GORDON A. SABINE, Ph.D., Dean of the School of Journalism.
B.A. (1939), M.A. (1941), Wisconsin; Ph.D. (1949), Minnesota. At Oregon since 1948.
- ADOLPH A. SANDIN, Ph.D., Associate Professor of Education.
B.A. (1933), Central Washington College of Education; M.A. (1938), Washington; Ph.D. (1943), Columbia. At Oregon since 1950.
- BRADLEY T. SCHEER, Ph.D., Associate Professor of Biology.
B.S. (1936), California Institute of Technology; Ph.D. (1940), California. At Oregon since 1950.
- DOROTHY E. SCHERER, A.M.L.S., Senior Reference Librarian.
B.S. (1940), Kansas State Teachers (Emporia); A.B. (1944), Fort Hays Kansas State; A.M.L.S. (1945), Michigan. At Oregon since 1947.
- CHARLES P. SCHLEICHER, Ph.D., Professor of Political Science.
A.B. (1928), College of Pacific; M.A. (1931), Hawaii; Ph.D. (1936), Stanford. At Oregon since 1947.
- WILLIAM E. SCHLOSSER, M.A., Instructor in Speech.
B.E. (1942), Chicago Teachers; M.A. (1948), Northwestern. At Oregon since 1948.
- MILDRED C. SCHMIDT, M.A., Assistant Professor of Education.
B.S. (1927), M.A. (1931), Minnesota. At Oregon since 1950.
- MARTIN SCHMITT, B.S., B.S. in L.S., Curator of Special Collections, Library.
B.S. (1938), B.S. in L.S. (1939), Illinois. At Oregon since 1947.
- WALDO SCHUMACHER, Ph.D., Professor of Political Science.
A.B. (1917), Bluffton; A.M. (1918), Ohio State; Ph.D. (1923), Wisconsin. At Oregon since 1928.
- HARRY J. SEARS, Ph.D., Professor of Bacteriology, Medical School; Head of Department.
A.B. (1911), A.M. (1912), Ph.D. (1916), Stanford. At Oregon since 1918.
- HOWARD R. SEBOLD, M.L.A., Assistant Professor of Architecture.
B.S. (1923), Cornell; M.L.A. (1926), Harvard. At Oregon since 1949.
- CORWIN V. SEITZ, B.A., Acquisition Librarian.
B.A. (1922), Oregon. At Oregon since 1922.

* On leave for military service.

† Appointment for spring term, 1950-51, only.

- OTTILIE T. SEYBOLT, M.A., Associate Professor of Speech.
A.B. (1910), Mount Holyoke; M.A. (1915), Wisconsin. At Oregon since 1928.
- SAM E. SHEFFIELD, B.S., Major, Air Force; Assistant Professor of Air Science and Tactics.
B.S. (1942), Arkansas. At Oregon since 1950.
- *ALFRED C. SHEPARD, M.A., Assistant Director, Bureau of Municipal Research and Service.
B.S. (1938), Florida Southern; M.A. (1948), Indiana. At Oregon since 1948.
- WILLIAM L. SHEPHERD, M.S., Instructor in Mathematics.
B.S. (1938), M.S. (1941), Oklahoma Agricultural and Mechanical. At Oregon since 1948.
- JOHN C. SHERWOOD, Ph.D., Assistant Professor of English.
B.A. (1941), Lafayette; M.A. (1942), Ph.D. (1945), Yale. At Oregon since 1946.
- FREDERICK L. SHINN, Ph.D., Professor Emeritus of Chemistry.
A.B. (1901), A.M. (1902), Indiana; Ph.D. (1906), Wisconsin. At Oregon since 1907.
- J. ARNOLD SHOTWELL, M.S., Preparator, Museum of Natural History.
B.S. (1947), M.S. (1950), Oregon. At Oregon since 1947.
- PETER O. SIGERSETH, D.Ed., Associate Professor of Physical Education.
B.A. (1928), Minot State Teachers (North Dakota); M.A. (1936), North Dakota; D.Ed. (1944), Oregon. At Oregon 1943-44 and since 1947.
- PAUL B. SIMPSON, Ph.D., Associate Professor of Economics.
B.A. (1936), Reed; Ph.D. (1949), Cornell. At Oregon since 1949.
- FRANK P. SIPE, M.S., Associate Professor of Botany.
B.S. (Agr.) (1916), B.S. (Educ.) (1918), Missouri; M.S. (1923), Iowa State. At Oregon since 1932.
- DONALD H. SITES, M.Arch., Instructor in Architecture.
B.Arch. (1949), Washington; M.Arch. (1950), Rice. At Oregon since 1950.
- JAMES H. SKELTON, M.A., Instructor in Mathematics.
A.B. (1942), B.S. in Ed. (1942), Southwest Missouri State; M.A. (1947), Missouri. At Oregon since 1950.
- OLIVE A. SLOCUM, M.A., R.N., Assistant Professor of Nursing Education.
B.A. (1919), M.A. (1934), Southern California; R.N. (1924), State of California. At Oregon since 1945.
- JAN C. H. SMEKENS, B.Arch., Instructor in Architecture.
B.Arch. (1945), Royal Academy of Fine Arts, Antwerp. At Oregon since 1950.
- †JESSIE M. SMITH, M.A., Assistant Professor of Business Administration.
B.S.S. (1934), Oregon State; M.A. (1946), Oregon. At Oregon since 1941.
- ROBERT W. SMITH, Ph.D., Assistant Professor of History.
B.A. (1937), Chicago; M.A. (1940), Ph.D. (1942), California at Los Angeles. At Oregon since 1947.
- JOHN G. SNOW, B.A., Instructor in Romance Languages.
B.A. (1949), New Hampshire. At Oregon since 1951.
- MARSHALL L. SNYDER, Ph.D., Professor of Bacteriology, Dental School; Head of Department.
Ph.B. (1930), Brown; M.S. (1932), Ph.D. (1935), Colorado. At Oregon since 1946.
- ARNOLD L. SODERWALL, Ph.D., Assistant Professor of Zoology.
B.A. (1936), Linfield; M.A. (1937), Illinois; Ph.D. (1941), Brown. At Oregon since 1941.

* On leave for military service.

† On sabbatical leave 1950-51.

- HELEN L. SOEHRÉN, M.A., Assistant Professor of English.
B.A. (1935), M.A. (1938), Oregon. At Oregon since 1942.
- LLOYD R. SORENSON, Ph.D., Assistant Professor of History.
B.A. (1938), North Dakota; M.A. (1945), Ph.D. (1947), Illinois. At Oregon since 1947.
- PHILIP W. SOUERS, Ph.D., Professor of English; Head of Department.
B.A. (1920), M.A. (1922), Iowa; M.A. (1924), Ph.D. (1928), Harvard. At Oregon since 1945.
- MYRTLE S. SPANDE, M.S., Assistant Professor of Physical Education.
B.A. (1934), St. Olaf; M.S. (1943), Wisconsin. At Oregon since 1949.
- MARK R. SPONENBURCH, Assistant Professor of Art.
Cert. (1940), Cranbrook Academy; Cert. (1946), École des Beaux Arts. At Oregon since 1946.
- VERNON S. SPRAGUE, Ph.D., Assistant Professor of Physical Education.
B.S. (1937), Oregon; M.A. (1942), Ph.D. (1951), Michigan. At Oregon since 1946.
- BETTY MAE STAMM, B.A., Acquisition Librarian.
B.A. (1927), Oregon. At Oregon since 1926.
- LLOYD W. STAPLES, Ph.D., Associate Professor of Geology.
A.B. (1929), Columbia; M.S. (1930), Michigan; Ph.D. (1935), Stanford. At Oregon since 1939.
- D. GLENN STARLIN, M.A., Assistant Professor of Speech; Production Director, University Radio Studios.
B.A. (1938), Idaho; M.A. (1939), Iowa. At Oregon since 1947.
- HOWARD C. STEARNS, M.D., Clinical Professor of Obstetrics and Gynecology, Medical School; Head of Department.
B.S. (1924), B.S. (1925), Oregon State; M.D. (1929), Oregon. At Oregon since 1932.
- JOHN STEHN, M.S., Associate Professor of Music.
A.B. (1925), Grinnell; M.S. (1927), Iowa. At Oregon since 1929.
- THEODORE STERN, Ph.D., Assistant Professor of Anthropology.
B.A. (1939), Bowdoin; A.M. (1941), Ph.D. (1948), Pennsylvania. At Oregon since 1948.
- FRED L. STETSON, M.A., Professor Emeritus of Education.
A.B. (1911), M.A. (1913), Washington. At Oregon since 1913.
- ARTHUR B. STILLMAN, M.B.A., Professor of Business Administration.
B.A. (1928), Oregon; M.B.A. (1937), Washington. At Oregon since 1922.
- GERTRUDE E. STOLPER, B.A., B.S. in L.S., Acquisition Librarian.
B.A. (1948), St. Olaf; B.S. in L.S. (1949), Minnesota. At Oregon since 1949.
- JAMES C. STOVALL, M.A., Assistant Professor of Geography.
B.S. (1927), M.A. (1929), Oregon. At Oregon since 1934.
- ROBERT A. STRAIN, M.A., Instructor in Philosophy.
B.A. (1946), M.A. (1948), Texas. At Oregon since 1950.
- VICTOR C. STRASH, M.A., Assistant Professor of Slavic Languages.
Grad. (1915), Imperial University of Moscow; M.A. (1931), Washington. At Oregon since 1948.
- KENNETH C. SWAN, M.D., Professor of Ophthalmology, Medical School; Head of Department.
B.A. (1933), M.D. (1936), Oregon. At Oregon since 1944.

- MERRILL G. SWENSON, D.D.S., Professor of Dentistry; Head of Department of Prosthetics, Dental School.
D.D.S. (1914), Minnesota. At Oregon since 1947.
- DONALD F. SWINEHART, Ph.D., Assistant Professor of Chemistry.
B.S. (1939), Capital; M.S. (1941), Ph.D. (1943), Ohio State. At Oregon since 1946.
- HOWARD R. TAYLOR, Ph.D., Professor of Psychology; Head of Department.
A.B. (1914), Pacific University; A.M. (1923), Ph.D. (1928), Stanford. At Oregon since 1925.
- TRUMAN E. TEETER, M.S., Instructor in Chemistry.
B.S. (1942), Oregon State; M.S. (1949), Oregon. At Oregon since 1950.
- JANE THACHER, Professor Emeritus of Piano.
At Oregon since 1916.
- W. F. GOODWIN THACHER, M.A., Professor Emeritus of English.
A.B. (1900), M.A. (1907), Princeton. At Oregon since 1914.
- HARRIET W. THOMSON, A.B., Professor Emeritus of Physical Education.
A.B. (1904), Michigan. At Oregon since 1911.
- LILLIAN E. TINGLE, Professor Emeritus of Home Economics.
At Oregon since 1917.
- WALLACE E. TREADAWAY, B.Arch., Assistant Professor of Architecture.
B.Arch. (1947), Alabama Polytechnic. At Oregon since 1949.
- HOYT TROWBRIDGE, Ph.D., Professor of English.
B.A. (1931), M.A. (1933), Ph.D. (1935), Wisconsin. At Oregon since 1940.
- WILLIAM M. TUGMAN, B.A., Visiting Lecturer in Journalism.
B.A. (1914), Harvard. At Oregon since 1946.
- GEORGE S. TURNBULL, M.A., Professor Emeritus of Journalism.
A.B. (1915), M.A. (1932), Washington. At Oregon since 1917.
- *GENEVIEVE G. TURNIPSEED, M.A., Director of Dormitories.
A.B. (1922), B.S. (1922), Iowa; M.A. (1930), Columbia. At Oregon since 1930.
- LEONA E. TYLER, Ph.D., Associate Professor of Psychology; Counselor, University Counseling Center.
B.S. (1925), M.S. (1939), Ph.D. (1941), Minnesota. At Oregon since 1940.
- RAYMOND P. UNDERWOOD, LL.B., Legal Consultant, Bureau of Municipal Research and Service.
A.B. (1941), Bucknell; LL.B. (1947), Harvard. At Oregon since 1948.
- ROBERT S. VAGNER, M.A., M.Mus., Associate Professor of Music; Director of Bands.
B.A. (1935), M.A. (1938), Colorado State College of Education; M. Mus. (1942), Michigan. At Oregon since 1950.
- FLORENCE VANDERWICKEN, M.A., Assistant Professor of Voice.
B.A. (1934), M.A. (1936), Iowa. At Oregon since 1948.
- †PIERRE VAN RYSELBERGHE, Ph.D., Professor of Chemistry.
Cand.-Ing. (1924), Eng. (1927), Brussels; M.A. (1928), Ph.D. (1929), Stanford. At Oregon since 1941.

* Retirement effective June 30, 1951.
† On sabbatical leave 1950-51.

- FRANCES VAN VOORHIS, M.S., Assistant Professor of Home Economics.
B.S. (1932), Minnesota; M.S. (1949), Iowa State. At Oregon since 1944.
- ANDREW M. VINCENT, Professor of Art.
Graduate (1927), Art Institute of Chicago. At Oregon since 1929.
- HEINRICH H. WAECHTER, B.Arch., Reg.Arch., Associate Professor of Architecture.
B.Arch. (1931), Hochschule Technological (Berlin); Reg.Arch. (1946), States of Massachusetts and Virginia. At Oregon since 1950.
- EZREL A. WAGES, JR., M.A., Instructor in English.
B.A. (1947), Emory; M.A. (1949), Chicago. At Oregon since 1949.
- FAULINE E. WALTON, M.A., Assistant Reference Librarian Emeritus.
B.A. (1904), Oregon; M.A. (1906), Northwestern. At Oregon since 1927.
- GERTRUDE B. WARNER, M.A., Director, Museum of Art.
M.A. (1929), Oregon. At Oregon since 1921.
- JOHN A. WARREN, B.B.A., Assistant Professor of Physical Education; Head Basketball Coach.
B.B.A. (1928), Oregon. At Oregon since 1935.
- PAUL R. WASHKE, Ph.D., Professor of Physical Education.
A.B. (1927), Western State Teachers (Michigan); A.M. (1929), Michigan; Ph.D. (1943), New York University. At Oregon since 1930.
- *CONSTANCE M. WATSON, B.A., B.A.L., Catalog Librarian.
B.A. (1937), British Columbia; B.A.L. (1938), Washington. At Oregon since 1948.
- MARSHALL D. WATTLES, Ph.D., Assistant Professor of Economics.
B.A. (1938), Southwest Missouri State; M.A. (1941), Missouri; Ph.D. (1950), Ohio State. At Oregon since 1950.
- MARIAN P. WATTS, B.A., B.S. in L.S., Reference Librarian Emeritus.
B.A. (1921), Oregon; B.S. in L.S. (1934), Illinois. At Oregon since 1921.
- CARL C. WEBB, M.A., Assistant Professor of Journalism.
B.S. (1932), M.A. (1950), Oregon. At Oregon since 1943.
- ADOLPH WEINZIRL, M.D., Professor of Public Health and Preventive Medicine, Medical School; Head of Department.
B.S. (1922), M.D. (1925), Oregon; C.P.H. (1932), M.P.H. (1939), Johns Hopkins. At Oregon since 1938.
- JOHN F. WEIR, Ph.D., Assistant Professor of History.
B.A. (1929), Michigan; M.A. (1934), Washington; Ph.D. (1947), Southern California. At Oregon since 1947.
- EGBERT S. WENGERT, Ph.D., Professor of Political Science; Head of Department.
B.A. (1933), LL.B. (1936), Ph.D. (1936), Wisconsin. At Oregon since 1948.
- ROSAMOND WENTWORTH, M.S., Associate Professor of Physical Education.
B.A. (1931), M.S. (1938), Washington. At Oregon since 1944.
- EDWARD S. WEST, Ph.D., Professor of Biochemistry, Medical School; Head of Department.
A.B. (1917), Randolph-Macon; M.S. (1920), Kansas State; Ph.D. (1923), Chicago. At Oregon since 1934.

* Resigned Feb. 28, 1951.

- ARNOLD M. WESTLING, B.S. in C.E., Planning and Public Works Consultant, Bureau of Municipal Research and Service.
B.S. in C.E. (1943), Washington. At Oregon since 1947.
- GEORGE A. WHITE, M.A., Instructor in Romance Languages.
A.B. (1947), M.A. (1948), Indiana. At Oregon since 1950.
- GOLDA P. WICKHAM, B.S., Associate Director of Student Affairs.
B.S. (1931), Oregon. At Oregon since 1944.
- HENRY N. WIEMAN, Ph.D., Litt.D., D.D., Professor of Philosophy.
B.A. (1907), D.D. (1929), Park; B.D. (1910), San Francisco Theological Seminary; Ph.D. (1917), Harvard; Litt.D. (1930), Occidental. At Oregon since 1949.
- MARGARET J. WIESE, M.A., Assistant Professor of Home Economics.
B.S. (1941), Iowa State; M.A. (1945), Iowa. At Oregon since 1947.
- BETTY J. WIKLE, B.S., Dietitian, Dormitories.
B.S. (1942), Utah State Agricultural. At Oregon since 1950.
- *JACK WILKINSON, Assistant Professor of Art.
Graduate (1937), California School of Fine Arts. At Oregon since 1941.
- OLIVER M. WILLARD, Ph.D., Assistant Professor of English.
B.A. (1927), Stanford; A.M. (1931), Ph.D. (1936), Harvard. At Oregon since 1946.
- ASTRID M. WILLIAMS, Ph.D., Assistant Professor of Germanic Languages.
B.A. (1921), M.A. (1932), Oregon; Ph.D. (1934), Marburg. At Oregon since 1935.
- DANIEL H. WILLIAMS, B.S., Director, University Family Housing.
B.S. (1949), Oregon. At Oregon since 1948.
- MILDRED H. WILLIAMS, M.A., Instructor in Education; Supervisor of Social Studies, University High School.
B.A. (1925), M.A. (1930), Oregon. At Oregon since 1930.
- RICHARD C. WILLIAMS, B.S., Director, Student Union.
B.S. (1941), Oregon. At Oregon since 1941.
- JOHN M. WILLIAMSON, M.A., Head Humanities Librarian.
B.A. (1935), Washington; B.A. (1946), M.A. (1947), B.L.S. (1950), Wisconsin. At Oregon since 1950.
- DONALD S. WILLIS, Ph.D., Assistant Professor of Oriental Languages.
B.A. (1943), Ph.D. (1951), Washington. At Oregon since 1948.
- L. MILDRED WILSON, M.S., Assistant Professor of Home Economics.
B.S. (1924), M.S. (1938), Iowa State. At Oregon since 1949.
- FRANK E. WOOD, Ph.D., Associate Professor of Mathematics.
B.A. (1912), Baker; M.A. (1914), Kansas; Ph.D. (1920), Chicago. At Oregon since 1943.
- HUGH B. WOOD, Ed.D., Professor of Education.
B.S. (1931), Toledo; M.A. (1935), Colorado; Ed.D. (1937), Columbia. At Oregon since 1939.
- KENNETH S. WOOD, Ph.D., Associate Professor of Speech; Director, Speech and Hearing Clinic.
B.S. (1935), Oregon State; M.A. (1938), Michigan; Ph.D. (1946), Southern California. At Oregon since 1942.

* On sabbatical leave 1950-51.

- LOUIS A. WOOD, Ph.D., Professor Emeritus of Economics.
B.A. (1905), Toronto; B.D. (1908), Montreal Presbyterian; Ph.D. (1911), Heidelberg.
At Oregon since 1924.
- MABEL A. WOOD, M.S., Professor of Home Economics; Head of Department.
B.S. (1925), Oregon State; M.S. (1930), Columbia. At Oregon since 1932.
- JANET G. WOODRUFF, M.A., Associate Professor of Physical Education.
B.S. (1926), M.A. (1929), Columbia. At Oregon since 1929.
- GUY A. WOODS, D.D.S., Assistant Professor of Dentistry; Acting Head of Department of Orthodontia, Dental School.
D.D.S. (1945), Northwestern; M.S. (1948), Illinois. At Oregon since 1949.
- WILLIAM C. WOODS, M.M., Instructor in Piano.
B.M. (1948), M.M. (1949), Southern California. At Oregon since 1950.
- EMMA G. WRIGHT, A.B., B.S. in L.S., Senior Acquisitions Librarian.
A.B. (1925), Miami (Ohio); B.S. in L.S. (1939), Illinois. At Oregon since 1946.
- *GORDON WRIGHT, Ph.D., Professor of History.
A.B. (1933), Whitman; M.A. (1935), Ph.D. (1939), Stanford. At Oregon since 1939.
- IRWIN I. WRIGHT, B.S., Superintendent of Physical Plant.
B.S. (1926), Kansas State. At Oregon since 1947.
- LEAVITT O. WRIGHT, Ph.D., Professor of Romance Languages.
A.B. (1914), Harvard; B.D. (1917), Union Theological Seminary; M.A. (1925), Ph.D. (1928), California. At Oregon since 1926.
- OLGA YEVTICH, B.A., Program Director, Student Union.
B.A. (1949), Oregon. At Oregon since 1949.
- HARRY BARCLAY YOCOM, Ph.D., Professor Emeritus of Zoology.
A.B. (1912), Oberlin; M.A. (1916), Ph.D. (1918), California. At Oregon since 1920.
- WILLIAM B. YOUNG, Ph.D., M.D., Professor of Physiology, Medical School; Head of Department.
B.S. (1932), M.A. (1933), Western Kentucky Teachers; Ph.D. (1938), Wisconsin; M.D. (1944), Oregon. At Oregon since 1938.
- CHARLES F. ZIEBARTH, M.A., Associate Professor of Business Administration.
B.A. (1931), M.A. (1932), Washington State. At Oregon since 1946.
- WILLIAM A. ZIMMERMAN, B.S., Executive Secretary and Business Manager, Medical School; Assistant Administrator of Hospitals.
B.S. (1939), Oregon. At Oregon since 1940.

Associates, Fellows, Assistants

- EDWARD ACKERMAN, M.S., Associate in Education.
- DOUGLAS ADAMS, B.A., Associate in Education.
- GEORGIANA ADAMS, B.A., Graduate Assistant in Art.
- SAM ADLER, B.A., Graduate Assistant in Physics.
- HAROLD ALLISON, M.A., Associate in Education.
- †HARRY Y. ARAKAKI, B.A., Graduate Assistant in Chemistry.
- WALTER R. ASHWILL, B.S., Graduate Assistant in Geography and Geology.

* On sabbatical leave 1950-51.
† Resigned Jan. 6, 1951.

- ARTHUR A. ATKISSON, B.S., Research Assistant in Political Science.
- HOWARD M. BALDERSTONE, M.S., Graduate Assistant in Education.
- WILLIAM E. BALES, B.S., Graduate Assistant in Geography and Geology.
- ARTHUR D. BARRE, M.A., Carnegie Fellow in Political Science.
- G. W. BARRON, B.S., Associate in Education.
- HAROLD BAUMAN, A.B., Research Assistant in Romance Languages.
- RUTH BEACON, B.A., Associate in Education.
- DWIGHT W. BERREMAN, B.S., Graduate Assistant in Physics.
- SEVILLA BERREMAN, M.A., Associate in Education.
- GERTRUDE BEYL, M.S., Research Associate in Biology.
- NINA C. BOESON, B.S., Associate in Education.
- JACK R. BORSTING, B.A., Graduate Assistant in Mathematics.
- EUGENE W. BOWMAN, M.S., Graduate Assistant in Education.
- BENJAMIN H. BRACKEN, B.A., Graduate Assistant in Business Administration.
- AUDREY B. BRIST, B.M., Graduate Assistant in Music.
- HARRIET BROEKER, B.A., Graduate Assistant in English.
- HARRY W. BROWN, M.A., Graduate Assistant in Economics.
- J. P. BURCH, B.Ed., Associate in Education.
- BEATRICE BURKE, M.A., Associate in Education.
- JACK M. BURKE, B.S., Graduate Assistant in History.
- JEAN BURNS, B.S., Graduate Assistant in Biology.
- SHIRLEY ANN BURR, B.A., Research Assistant in Economics.
- HERBERT D. CARLIN, M.S., Carnegie Fellow in History.
- LUTHER P. CHEO, M.S., Teaching Fellow in Mathematics.
- EUGENE D. CLAYTON, M.S., Research Fellow in Physics.
- JANET D. COLLINS, B.S., Graduate Assistant in Anthropology.
- FREDERICA COONS, B.A., Associate in Education.
- ALVIN J. COPE, B.A., Graduate Assistant in Education.
- ELMER ROBERT COX, M.S., Research Fellow in Chemistry.
- RICHARD S. CRAMER, B.S., Graduate Assistant in History.
- ROBERT G. CUNNINGHAM, B.M., Graduate Assistant in Music.
- WILLIAM CURRY, B.S., Associate in Education.
- CHARLES C. CURTIS, B.S., Research Assistant in Biology.
- MILDRED DART, B.S., Associate in Education.
- JOSEPH C. DAUGHERTY, B.S., Graduate Assistant in Art.
- SIDNEY DEAN, B.A., Graduate Assistant in Psychology.
- *GLENN R. DECKER, B.A., Graduate Assistant in Chemistry.
- KEITH DECOURCEY, B.S., Associate in Education.
- W. E. DEDMAN, M.Ed., Associate in Education.
- BERYL DEFORD, B.S., Associate in Education.
- DONALD G. DELISLE, B.S., Graduate Assistant in Biology.
- MABEL DEVOS, B.S., Associate in Education.
- CLARENCE DIEBEL, M.A., Associate in Education.

* Resigned Oct. 31, 1950.

GERTRUDE DIERLEIN, Associate in Education.
 ROBERT E. DODGE, B.A., Graduate Assistant in Business Administration.
 DORIS DOWIE, B.S., Graduate Assistant in Chemistry.
 JOHN R. DUNBAR, B.S., Counseling Assistant, Counseling Center.
 JESS DUNNING, B.A., Associate in Education.
 MAECEL EDWARDS, B.A., Associate in Education.
 JOSEPH C. EISCHEM, B.A., Graduate Assistant in Business Administration.
 ERNEST W. ELY, M.S., Graduate Assistant in Biology.
 GORDON ERICKSEN, B.A., Graduate Assistant in Speech.
 HARRY ERICKSON, B.A., Associate in Education.
 RUTH EHRLICH, B.S., Associate in Education.
 BYRON F. EVANS, B.S., Graduate Assistant in Education.
 WALLACE D. FARNHAM, M.A., Carnegie Fellow in History.
 ROBERT FEASLEY, B.S., Graduate Assistant in Art.
 ADA M. FERRARI, B.A., Graduate Assistant in Business Administration.
 BURTON D. FILUT, B.S., Graduate Assistant in Speech.
 *BARBARA J. FISK, B.A., Graduate Assistant in Romance Languages.
 JOHN M. FORDE, B.S., Graduate Assistant in Anthropology.
 EDWARD W. FORGY, B.A., Counseling Assistant, Counseling Center.
 RUFUS FRANZ, M.Ed., Associate in Education.
 OREN FREERKSEN, B.S., Associate in Education.
 †CHARLES R. FRIESE, B.S., Graduate Assistant in Mathematics.
 HERSCHEL FRYE, M.A., Graduate Assistant in Chemistry.
 MARION FULKERSON, B.S., Associate in Education.
 EVA GALL, B.A., Graduate Assistant in Romance Languages.
 ‡DEAN GATEWOOD, B.A., Graduate Assistant in Chemistry.
 JANE ALLEN GEHRING, B.S., Graduate Assistant in Art; Associate in Education.
 FRANKLIN C. GEIGER, B.A., Graduate Assistant in Business Administration.
 LOUIS R. GEISELMAN, A.B., Graduate Assistant in Philosophy.
 EDNA GLINES, B.S., Associate in Education.
 E. A. GOODNOUGH, M.A., Associate in Education.
 ARTHUR E. GRAVATT, B.A., Graduate Assistant in Sociology.
 MARGERY GRAY, B.S., Graduate Assistant in Biology.
 MINERVA GRIFFIS, M.A., Associate in Education.
 *MARY E. GRIFFITHS, B.A., Graduate Assistant in Biology.
 LEO F. GRILL, B.S., Graduate Assistant in Chemistry.
 MARIE GROVES, B.S., Associate in Education.
 JEHOOSHUA GVIRTZMAN, Diploma Ingenieur, Graduate Assistant in Architecture.
 *ADOLPH A. HABERLY, A.B., Graduate Assistant in Education.
 MARKO L. HAGGARD, M.A., Carnegie Fellow in Political Science.
 JOHN HAKANSON, A.B., Research Assistant in Political Science.
 HOWARD A. HALL, JR., B.S., Graduate Assistant in Art.

* Resigned Dec. 31, 1950.

† Resigned Nov. 22, 1950.

‡ Resigned Jan. 6, 1951.

DENNIS G. HANNAN, M.A., Teaching Fellow in Romance Languages.
 RUSSELL HARRISON, M.Mus.Ed., Associate in Education.
 FREDA HARSHBARGER, M.A., Associate in Education.
 JAMES S. HART, B.A., Graduate Assistant in English.
 NETTIE M. HAUGEN, M.A., Associate in Education.
 KENNETH E. HAYES, B.Sc., Research Fellow in Chemistry.
 ZILDA HAYS, B.A., Associate in Education.
 E. LOUISE HENDERSON, B.S., Graduate Assistant in Physical Education.
 RUSSELL HENDRICKS, M.A., Associate in Education.
 DON H. HENSLEY, B.A., Graduate Assistant in English.
 CHARLOTTE HERZOG, B.S., Graduate Assistant in Chemistry.
 ESTHER HETTINGER, M.A., Associate in Education.
 GERALDINE L. HETTINGER, B.S., Graduate Assistant in Speech.
 CLARENCE HINES, D.Ed., Associate in Education.
 LAUREL HJELTE, B.A., B.S.L.S., Associate in Education.
 *WARREN L. HOLBROOK, B.S., Graduate Assistant in Art.
 VERL HOOVER, B.S., Associate in Education.
 ALBERT E. HOPKINS, M.Ed., Research Assistant in President's Office.
 MYER G. HOROWITZ, M.S., Research Fellow and Graduate Assistant in Chemistry.
 CRAIG C. HUDSON, M.A., Teaching Fellow in Physics.
 A. I. HUFF, M.A., Associate in Education.
 HELEN HUGHES, B.A., Associate in Education.
 HOWARD IMPROCOVEN, B.S., Graduate Assistant in Education.
 ROBERT L. JAMES, M.A., Carnegie Fellow in Sociology.
 ALBERT JOHNSON, M.S., Associate in Education.
 HARRY JOHNSON, M.Ed., Associate in Education.
 WILLIAM JOHNSON, M.S., Associate in Education.
 ERWIN JUILFS, M.A., Associate in Education.
 JOSEPH J. KAARHUS, B.S., Graduate Assistant in English.
 CHARLES L. KALBFUS, B.S., Graduate Assistant in Geography and Geology.
 RENATE M. KAUFMANN, M.A., Teaching Fellow in English.
 RALPH W. KAVANAGH, JR., B.A., Graduate Assistant in Physics.
 GEORGE KENT, B.A., Graduate Assistant in Psychology.
 B. C. KERNS, M.S., Associate in Education.
 KENNETH KIENZLE, B.A., Associate in Education.
 GEORGE W. KITTINGER, M.S., Research Fellow and Graduate Assistant in Chemistry.
 NINA ZOE KITTS, B.S., Associate in Education.
 ELIZABETH KRATT, B.A., Graduate Assistant in Romance Languages.
 H. E. KUCHERA, M.S., Associate in Education.
 LAVERN LAMB, B.S., Associate in Education.
 †LOREN JACK LAWSON, B.S., Graduate Assistant in English.
 KELSEY A. LEBEAU, B.S., Graduate Assistant in History.

* Resigned Mar. 21, 1951.

† Resigned Feb. 28, 1951.

HELEN M. LETTOW, B.A., Associate in Education.
 JOHN H. LEWIS, B.S., Graduate Assistant in Physics.
 IVAR E. LINDSTROM, A.B., Graduate Assistant in Physics.
 DEAN LOBAUGH, D.Ed., Associate in Education.
 CALVIN T. LONG, B.S., Graduate Assistant in Mathematics.
 VERNON L. LONG, B.S., Graduate Assistant in Physics.
 GERALD H. LUNDY, B.A., Graduate Assistant in English.
 EUGENE A. MAIER, B.A., Graduate Assistant in Mathematics.
 MARY E. MALLERY, M.B.A., Associate in Education.
 ROY MALLERY, M.S., Associate in Education.
 NASEEB M. MALOUF, B.A., Graduate Assistant in History.
 CARLYLE-JANET MARKHAM, B.A., Graduate Assistant in Romance Languages.
 ROBERT H. MARSH, B.A., Graduate Assistant in Speech.
 MARY MATTLEY, M.A., Associate in Education.
 MARGARET W. MAXFIELD, M.S., Teaching Fellow in Mathematics.
 CYRUS McALLISTER, A.B., Graduate Assistant in Mathematics.
 LESTER B. McALLISTER, M.A., Carnegie Fellow in Economics.
 MABEL B. McCLAIN, B.A., B.S., Research Associate Emeritus of History.
 RAYMOND D. MCCOY, B.S., Graduate Assistant in Chemistry.
 OLA McDERMOTT, B.A., Associate in Education.
 LAWRENCE McDOWELL, B.A., Research Assistant in Biology.
 JOHN M. MCGEE, Ph.D., Research Associate in Chemistry.
 JAMES C. MCKEGNEY, B.A., Graduate Assistant in Romance Languages.
 HELEN MCKENNEY, B.A., Associate in Education.
 WALTER J. MEAD, M.A., Carnegie Fellow in Economics.
 SARNOFF MEDNICK, M.A., Graduate Assistant in Psychology.
 DUANE R. MELLEM, M.A., Associate in Education.
 JOSEPH D. MEYERS, B.S., Graduate Assistant in Geography and Geology.
 D. W. MICKELWAIT, M.A., Associate in Education.
 BYRON MILLER, M.S., Associate in Education.
 JOAN L. MIMNAUGH, B.A., Graduate Assistant in English.
 †WILTON F. MINCKLEY, B.A., Graduate Assistant in Architecture.
 HAROLD MOLENKAMP, M.A., Teaching Fellow in Psychology.
 ROBERT O. MORRISON, JR., B.S., Graduate Assistant in Biology.
 CHARLES MULLALEY, B.S., Associate in Education.
 GORDON MURDOCK, B.S., Graduate Assistant in Chemistry.
 GEORGE G. S. MURPHY, B.A., Graduate Assistant in Business Administration.
 *E. BEN NEHER, M.S., Teaching Fellow in Physics.
 ELIZABETH NELSON, B.A., Associate in Education.
 G. B. NELSON, M.S., Associate in Education.
 JAMES T. NELSON, B.A., Graduate Assistant in Physics.
 FRANK W. NEUBER, M.A., Carnegie Fellow in Political Science.
 WESLEY L. NICHOLSON, B.A., Graduate Assistant in Mathematics.

* Resigned Feb. 10, 1951.

GEORGE NIEME, M.A., Associate in Education.
 HANK NILSEN, M.S., Associate in Education.
 LOUISE NIMMO, B.S., B.Ed., Associate in Education.
 WILLIAM J. O'LEARY, B.A., Graduate Assistant in Music.
 CELIA B. OLIVAR, M.A., Graduate Assistant in Physical Education.
 MEREDITH OLSON, B.S., Associate in Education.
 RETTA OTTO, B.S., Associate in Education.
 BEN PADROW, B.S., Graduate Assistant in Speech.
 GERALD L. PAINTER, B.A., Graduate Assistant in Business Administration.
 WARREN D. PATTERSON, B.A., Graduate Assistant in Biology.
 RONALD S. PAUL, M.S., Teaching Fellow in Physics.
 PAULINE PEARCE, B.S., Associate in Education.
 ALICE PECK, B.S., Associate in Education.
 EUGENIA PECKHAM, B.S., Associate in Education.
 LOLITA PIERSON, M.S., Associate in Education.
 VIVIAN PITMAN, A.B., Associate in Education.
 LANCASTER POLLARD, B.A., Research Associate in History.
 LEOPOLD J. POSPISIL, B.A., Graduate Assistant in Anthropology.
 D. R. POTTER, B.S., Associate in Education.
 P. F. POTTER, M.Ed., Associate in Education.
 FOREST E. PRICE, B.S., Graduate Assistant in Economics.
 GEORGE F. PROVOST, B.S., Graduate Assistant in English.
 GLADYS JACKSON PUTNEY, M.A., Carnegie Fellow in Sociology.
 SNELL W. PUTNEY, M.A., Graduate Assistant in Sociology.
 ROBERT E. RABOURN, B.A., Graduate Assistant in Psychology.
 DONALD T. RANKIN, B.A., Graduate Assistant in Art.
 *DONALD F. RAUBER, A.B., Graduate Assistant in English.
 ROMAN RHINE, A.B., Graduate Assistant in Psychology.
 MONTANA RICKARDS, M.Ed., Associate in Education.
 MILDRED RINGO, M.S., Graduate Assistant in Physical Education.
 BESSIE ROBERTSON, B.S., Associate in Education.
 NORA ROBERTSON, B.S., Associate in Education.
 FRANK ROMANO, M.Ed., Associate in Education.
 TERRENCE E. ROSEEN, B.A., Graduate Assistant in Speech.
 MAXINE ROWAN, B.S., Associate in Education.
 PATRICIA ROWE, B.S., Graduate Assistant in Physical Education.
 HARRY SACKETT, B.S., Associate in Education.
 ESTLEY SCHICK, B.A., Associate in Education.
 PAUL SCRANTON, A.B., Associate in Education.
 DON A. SEASTONE, M.A., Graduate Assistant in Economics.
 LLOYD SEEMAN, B.A., Associate in Education.
 PAUL B. SHEPARD, B.A., Graduate Assistant in Philosophy.
 RALPH E. SHERMAN, B.A., Teaching Fellow in English.

* Resigned Dec. 31, 1950.

SIDNEY M. SHERMAN, B.A., Graduate Assistant in Chemistry.
 HOMER C. SHIRLEY, JR., M.A., Graduate Assistant in English.
 *HAROLD L. SLEIGHT, B.Arch., Graduate Assistant in Architecture.
 LYLE SMALL, M.A., Associate in Education.
 WAYNE L. ST. JOHN, M.S., Graduate Assistant in Chemistry.
 ROBERT SONDERGARD, A.B., Graduate Assistant in Romance Languages.
 GILBERT SPRAGUE, B.S., Associate in Education.
 PAUL S. STANFIELD, A.B., Graduate Assistant in Journalism.
 BERTHA THOMPSON, Ph.M., Associate in Education.
 MARIE TINKER, M.S., Associate in Education.
 HENRY TOBEY, B.S., Graduate Assistant in Chemistry.
 RUSSEL TOMPKINS, B.A., Associate in Education.
 RICHARD TONKYN, B.A., Graduate Assistant in Chemistry.
 CHIA-KUEI TSAO, M.A., Graduate Assistant in Mathematics.
 WILLIAM TWEEDIE, M.A., Associate in Education.
 ROBERT L. TYLER, M.A., Teaching Fellow in History.
 JOHN F. VALLEAU, B.S., Graduate Assistant in Journalism.
 HENRY VON HOLT, A.B., Graduate Assistant in Psychology.
 *EDWARD WADE, A.B., Graduate Assistant in Psychology.
 LLOYD V. WARD, B.S., Associate in Education.
 CECIL WARNER, B.S., Associate in Education.
 LEROY J. WARREN, B.A., Graduate Assistant in Mathematics.
 LOUISE WATSON, M.A., Graduate Assistant in Physical Education.
 LOUIS H. WEGNER, B.S., Research Assistant in Mathematics.
 VICTOR J. WEIDENSEE, M.A., Graduate Assistant in Education.
 †CARL F. H. WERMINE, M.S., Graduate Assistant in Journalism.
 VIRGINA WEST, B.A., Associate in Education.
 CURT A. WIBERG, B.S., Graduate Assistant in Biology.
 J. A. WICKHAM, B.S., Associate in Education.
 ROBERT R. WIEGMAN, B.A., Teaching Fellow in Education.
 CHARLES WILBUR, M.S., Associate in Education.
 DAVID E. WILLIAMS, B.S., Research Assistant in Biology.
 RUTH WILLOUGHBY, B.S., Research and Graduate Assistant in Biology.
 VEOLA WILMOT, M.A., Associate in Education.
 CORA WIPER, B.S., Associate in Education.
 THEODORE J. WISNIEWSKI, B.S., Graduate Assistant in Physics.
 HEROLD D. WITHERSPOON, B.S., Graduate Assistant in Art.
 BARBARA WOLFE, B.A., Associate in Education.
 CAROLYN WOODS, Ph.B., Associate in Education.
 NOBUYUKI YOKOGAWA, B.S., Graduate Assistant in Physics.
 CHARLES W. YOUNG, M.S., Research Fellow in Chemistry.
 ROGER G. YOUNG, M.S., Research Fellow in Chemistry.
 OWEN ZOOK, M.A., Associate in Education.

* Resigned Dec. 31, 1950.

† Resigned Feb. 28, 1951.

General Information

History

THE University of Oregon was established by an act of the Oregon Legislature in 1872, but did not open its doors to students until four years later, in 1876. The founding of the University grew out of a Federal grant, authorized in the Donation Act of September 27, 1850, of two townships of land "to aid in the establishment of a university in the territory of Oregon." The territory then included the entire Oregon Country; it was specified that one of the two townships selected was to be located north of the Columbia.

On July 17, 1854, the grant was modified by an act reserving two townships each for the newly created Washington and Oregon territories. This grant was confirmed on February 14, 1859, when the Act of Congress admitting Oregon into the Union provided for a grant of seventy-two sections of land for the establishment and support of a state university. The Legislature, by an act of June 3, 1859, committed the people of Oregon to the application of the proceeds from this grant "to the use and support of a state university."

The settlement of Oregon and the accumulation of funds from the sale of these University lands proceeded slowly. The population of Oregon in 1850 (including the entire Oregon Country) was only 13,294. In 1860 the population of the state was 52,465, and in 1870, 90,993. There were already five denominational colleges established in the state in 1860; the United States census of 1870 reports twenty as the number of "classical, professional and technical" institutions ("not public") in Oregon. The creation of a state university was deferred.

However, after a fund of \$31,635 had accumulated from the sale of University lands, the Legislature on October 19, 1872 passed an act "to create, organize and locate the University of the State of Oregon." Eugene was chosen as the site after the Lane County delegation in the Legislature had offered to provide a building and campus worth \$50,000. The Union University Association of Eugene, the organization promoting the institution, was given two years in which to construct this building.

Construction of the building, Deady Hall, began in May 1873. Unfortunately, however, the genesis of the University and the economic troubles of 1873 came at about the same time. After an intense struggle to keep the enterprise alive and a two-year extension of time for completion, the conditions specified in the act creating the University were declared fulfilled, and the site and building were accepted by the state on July 28, 1876. The University opened its first session on October 16, 1876. The first class was graduated in June 1878.

Deady Hall was the nucleus around which other University buildings later arose; Villard Hall, the second campus structure, was built in 1885.

The first University courses were limited almost entirely to classical and literary subjects; the demand for a broader curriculum was, however, gradually met by the addition of scientific and professional instruction. Around the original liberal-arts college were organized the professional schools, beginning with the

School of Law, established as a night law school in Portland in 1884 (in 1915 the School of Law was moved to Eugene and reorganized as a regular division of the University). The Medical School was established in Portland in 1887. The School of Music was established in 1902, the School of Education in 1910, the School of Architecture and Allied Arts and the School of Business Administration in 1914, the School of Journalism in 1916, and the School of Health and Physical Education in 1920. The University of Oregon Dental School was established in Portland in 1945, when the Oregon Legislature accepted the gift of the property of the North Pacific College of Oregon and made this institution a school of the University. (The North Pacific College was the outgrowth of the merger in 1900 of the Tacoma College of Dental Surgery, founded in 1893, and the Oregon College of Dentistry, founded in 1898).

In 1932, when the Oregon State System of Higher Education was formed, departments of the old liberal-arts college were reorganized into a College of Arts and Letters and a College of Social Science. Under the 1932 allocation of functions, the University offered only lower-division and service work in the biological and physical science. In 1941, the Board of Higher Education authorized the University to re-establish major undergraduate and graduate work in science, beginning with the academic year 1942-43. In 1942, the Board approved the merging of the College of Arts and Letters, the College of Social Science, and the science departments into a College of Liberal Arts.

The Graduate School was established in 1900. In 1933, as a part of the State System reorganization, an interinstitutional Graduate Division was created for the administration of graduate work in all institutions of the System. In October 1946, the Board of Higher Education returned to the institutions direct responsibility for their programs of advanced study, and re-established the University Graduate School.

Since the founding of the institution, the following men have served the University as president: John Wesley Johnson, 1876-1893; Charles H. Chapman, 1893-1899; Frank Strong, 1899-1902; Prince Lucian Campbell, 1902-1925; Arnold Bennett Hall, 1926-1932; Clarence Valentine Boyer, 1934-1938; Donald Milton Erb, 1938-1943; Orlando John Hollis, acting president 1944-1945; Harry K. Newburn, from 1945.

Income

THE state law creating the Board of Higher Education specified that this body was to "have and exercise control of the use, distribution and disbursement of all funds, appropriations and taxes, now or hereafter in possession, levied and collected, received or appropriated for the use, benefit, support and maintenance of institutions of higher education." By virtue of this act, and beginning July 1, 1931, the Board has administered all funds for all state-supported higher-educational activities, including the University of Oregon, on the basis of a unified budget.

Funds for the support of higher education in Oregon are derived primarily from the following sources: a millage appropriation equal to 2.04 mills on all taxable property; certain continuing appropriations from the state for definite purposes; specified sums from the national government assigned for definite purposes by Congressional acts; income from student tuition and fees; and other sources such as sales, service charges, gifts, etc.

Campus

THE main campus of the University of Oregon is located at Eugene (population 35,652), 124 miles south of Portland, at the head of the Willamette Valley. Eugene is a progressive city with excellent schools, numerous churches, and strong civic and social organizations. The climate is mild, with moderate winters and cool summers. The average annual rainfall is 38½ inches, with the heaviest rainfall in the winter months, November, December, and January.

The Eugene campus occupies about 130 acres of land in the eastern part of the city. (See map, facing page 4.) The campus is bisected by Thirteenth Street. The first University buildings were erected north of this street, on what is known as the "old campus." Later expansions have been principally to the south and east.

Most of the buildings on the old campus are arranged in a quadrangle: Fenton Hall, Deady Hall, Villard Hall, the Art and Architecture Building, McClure Hall, the Journalism Building, and Friendly Hall. Johnson Hall (the Administration Building) is located across Thirteenth Street, facing the north quadrangle. South of Johnson Hall is an integrated group of buildings, including Gerlinger Hall (the women's gymnasium) and two women's dormitories, Hendricks Hall and Susan Campbell Hall.

A new quadrangle being developed to the west includes the Commerce Building and Oregon Hall, north of Thirteenth Street, and, to the south, Condon Hall, Chapman Hall, the Museum of Art, and the University Library. The Education Building and the Music Building are located south of this quadrangle.

Until the 1920s the east boundary of the campus was, roughly, University Street. Significant expansion beyond this boundary began with the erection of the University heating plant, the University Press, McArthur Court (the student athletic center), and the John Straub Memorial Building (the men's dormitory), and continued in the 1930s with the erection of the Physical Education Building and the Student Health Service. Recent additions in this area are Architecture Annex, Emerald Hall (a temporary structure housing administrative and student-counseling offices), the Erb Memorial Union, and Carson' Hall, a women's dormitory.

Since the end of World War II, extensive temporary housing facilities for veteran students have been erected on or near the campus. These facilities include houses and apartments for married students, on University land east of the campus; two dormitories for men, south of the Education Building; and row-house apartments, occupying a 30-acre tract about six blocks southwest of the main campus.

There are two notable bronze statues on the campus, "The Pioneer," given to the University in 1919 by Joseph N. Teal; and "The Pioneer Mother," given to the University in 1932 by Vice-President Burt Brown Barker, in memory of his mother. "The Pioneer" stands on the old campus, facing Johnson Hall. "The Pioneer Mother" is in the women's quadrangle. Both are the work of Alexander Phimister Proctor.

For descriptions of the campuses and buildings of the Medical School and the Dental School in Portland, see the separate catalogs of these schools.

Libraries

THE services of the University of Oregon Library are organized in broad subject divisions: Social Science, Science, Humanities, and General Reference and Documents. Each of the divisions has its own reading rooms, conveniently integrated with its book collections. All University students have free access to the book stacks.

The divisional plan was adopted after the completion of a new addition to the University Library building in the fall of 1950, which increased the book-shelf capacity of the building to a total of 535,000 volumes and the reader facilities to a total of 1,300 persons.

The services of the several divisions are supplemented by the Audio-Visual Department, which provides facilities for the production, preservation, and use of recordings, slides, films, and similar materials; and by the Special Collections Department, which is responsible for the development and care of collections of Oregon and Pacific Northwest historical materials, rare books, manuscripts, and archives.

The University Library was founded in 1882 through a gift of \$1,000 worth of books selected and purchased by Henry Villard of New York City. Before 1882 the only library available to students was a collection of about 1,000 volumes owned by the Laorean and Eutaxian student literary societies. This collection was made a part of the University Library in 1900. In 1881 Mr. Villard gave the University \$50,000 as a permanent endowment; a provision of the gift was that at least \$400 of the income should be used for the purchase of nontechnical books for the Library. At the present time, all the income from this endowment is used for the purchase of books.

In addition to the general Library collections, the University has a number of specialized libraries with permanent collections. The holdings of the several libraries listed in the following table are as of March 1, 1951 (figures followed by an asterisk are estimates):

General Library	418,248
Law Library	39,701
Municipal Reference Library	13,429*
Curriculum Laboratory	16,960*
Educational Research Bureau Collection	900*
Museum of Art Library	5,063
University High School Library	5,610
Dental School Library	6,090
Medical School Library	47,581
Total	553,582

Other materials in the University Library include: 38,006 maps; 22,996 photographs; 4,337 sound recordings; and 37,580 film strips and slides.

The facilities for the undergraduate work of the institution are excellent; and special collections for advanced study and research are being built in the various fields of liberal and professional scholarship. All the books in the libraries of the several institutions of the Oregon State System of Higher Education are available to the students and faculty of the University.

Some of the Library's resources of particular value for advanced study are: a collection of source materials on English life and letters in the seventeenth century; a collection of books, reports, and periodicals on English opinion and politics of the nineteenth century, including considerable material on English liberalism in its relation to public education; materials on the history of American education in the nineteenth century; a collection of pamphlets on the English corn laws; the Overmeyer Collection of published works on the Civil War; a collection of Balzaciana; unusually extensive and complete files of psychological journals; an extensive collection of Oregon and Pacific Northwest manuscripts, photographs, maps, pamphlets, books, and newspapers. The noncurrent records of the University of Oregon are deposited with the Library as University archives.

The Burgess Collection of manuscripts, incunabula, and rare books is the gift of Miss Julia Burgess, late professor of English at the University, and of friends of the institution.

The Douglass Room, established through a bequest from the late Matthew Hale Douglass, former librarian of the University, contains record collections, collections of music scores, and reference books in the field of music. The room is equipped with phonographs with earphone attachments for individual listening.

The Philip Brooks Memorial Library, the gift of Mrs. Lester Brooks, is a reference collection of standard sets of American and English authors; it is housed in a special room on the third floor of the Library building.

The Adelaide Church Memorial Room, a "browsing room" for recreational reading in the Student Union, is operated as a department of the University Library. Collections maintained in this room include the Pauline Potter Homer Collection of fine editions, illustrated books, books with fine bindings, and examples of the work of private presses.

The Municipal Reference Library, maintained by the Bureau of Municipal Research and Service in Johnson Hall, contains books, pamphlets, and other materials dealing with problems of local government.

The Law Library, housed in Fenton Hall, contains complete case reports of the National Reporter System, complete state reports from colonial times to the establishment of the Reporter System, a substantial collection of English and Canadian case law, codes and compilations of state and Federal statute law, standard legal digests and encyclopaedias, etc. Its periodical collection includes files of about 100 legal periodicals. An excellent collection of publications relating to Oregon territorial and state law includes an extensive file of Oregon Supreme Court briefs.

The Museum of Art Library of books on the history, literature, life, and particularly the art of Oriental countries, is the gift of Mrs. Gertrude Bass Warner; it is growing steadily through additional gifts from Mrs. Warner. The library occupies attractive quarters on the first floor of the Museum of Art.

The School of Architecture and Allied Arts has a reference collection in the Art and Architecture Building. The collection includes the architecture library of the late Ion Lewis, Portland architect, given in 1929 by Mr. Lewis, and the library of William Whidden, given by his heirs.

The University of Oregon Medical School Library and the University of Oregon Dental School Library are located in Portland.

Service. During the regular session the main Library is open on Mondays, Tuesdays, Wednesdays, and Thursdays from 8:00 a.m. to 10:00 p.m.; on Fridays from 8:00 a.m. to 9:00 p.m.; on Saturdays from 8:00 a.m. to 6:00 p.m.; and on Sundays from 2:00 to 9:00 p.m. During vacations, the Library is open from 9:00 a.m. to 5:00 p.m. Books other than reference books and those especially reserved for use in the Library may be borrowed for a period of two weeks, with the privilege of renewal if there is no other demand. Library privileges are extended to all University students and staff members, and may be granted to other persons upon application.

Library Fines and Charges. The following regulations govern Library fines and charges:

- (1) A fine of 5 cents per day is charged for all overdue books other than reserve books.
- (2) The following fines are charged for violation of rules governing reserve books and material circulated by special permission: (a) for overdue books, a regular fine of 25 cents for the first hour and 5 cents for each succeeding hour, or fraction thereof, until the book is returned or reported lost (a maximum charge of \$1.00 an hour may be made in cases of flagrant violation of the rules); (b) for failure to recheck books at the required times, a fine of 25 cents; (c) for failure to return books to proper department desk, a fine of 25 cents.
- (3) Books needed for use in the Library are subject to recall at any time. A maximum fine of \$1.00 a day may be imposed for failure to return promptly.

(4) A service charge of 10 cents is added to all fines reported to the Business Office for collection.

(5) Patrons losing books are charged the list price of the book, plus the amount of fine incurred up to the time the book is reported missing. In addition, a charge of 50 cents is made to cover the cost of processing the bill and collection.

(6) When a lost book, for which the borrower has been billed, is returned before a replacement has been ordered, a refund equal to the list price of the book is made. In cases where a replacement has been ordered, refunds to the patron may be made, at the discretion of the Library.

Instruction. A program of study for students interested in school library work is offered through the School of Education, principally during the summer sessions. A few courses in library methods are, however, given during the regular school year.

The School of Education also offers service courses to acquaint students with the resources of the University Library and to aid them in the efficient use of these resources. These courses are taught by members of the Library staff.

Unified Facilities. The library facilities of the state institutions of higher education in Oregon are coordinated through a State System director of libraries. The director is also librarian of Oregon State College, Corvallis, where the central offices of the library system are located.

The collections at the several institutions are developed to meet special needs on each campus; but the book stock of the libraries, as property of the state, circulates freely to permit the fullest use of all books. An author list of books in the State College Library is maintained in the University Library.

Museums and Collections

MUSEUMS and collections maintained by the University include the Murray Warner Collection of Oriental Art, housed in the Museum of Art, and the Museum of National History in Condon Hall. Student art work and loan exhibitions are shown in the Art Gallery in the Art and Architecture Building. A permanent collection of contemporary paintings is exhibited in the Art and Architecture Library. Art exhibits are also shown in the gallery on the second floor of the Student Union.

Museum of Art

GERTRUDE BASS WARNER, M.A.	.....	Director
MABEL KLOCKARS GARNER, B.A.	.....	Cataloger
EVELYN STREET	.....	Acting Curator
FRANCES NEWSOM, B.A.	.....	Librarian

The Museum of Art, housing the Murray Warner Collection of Oriental Art, was erected in 1930 at a cost of \$200,000, is designed to be a "temple of things beautiful and significant." The building was made possible by gifts from the citizens of Oregon.

The Warner Collection, given to the University in 1921 by Mrs. Gertrude Bass Warner as a memorial to her husband, was started by Major and Mrs. Warner while they were living in Shanghai, China. Major Warner had a considerable knowledge of the Orient. While serving the American government through the Boxer Rebellion and the unsettled times following, he had opportunities to obtain many beautiful specimens of Chinese art, some of which are now in the collection. Since Major Warner's death, Mrs. Warner has made a number of trips to the Orient to augment the collection and to replace articles that were not up to mu-

seum standards. Mrs. Warner has given a part of the original collection to the Smithsonian Institution in Washington, D. C., but the larger portion has come to the University of Oregon in order to foster on the Pacific Coast a sympathetic understanding and appreciation of the peoples of the Orient.

The Warner Collection is especially distinguished by the rarity and the perfect preservation of the objects composing it. Included in the material exhibited are: a large collection of Chinese paintings by old masters; tapestries and embroideries; fine examples of cinnabar lacquer; jade; Chinese porcelains, including specimens of old blue and white of the Ming period; and ancient bronzes dating from the Chou, Han, and Sung dynasties.

The Japanese collection includes wooden statuary dating from the tenth to the fourteenth centuries, old prints, brocades, temple hangings and altar cloths, embroideries, a collection of old gold lacquer, a lacquered palanquin, porcelain, jewelry, and collections of silver, pewter, copper, bronze armor, and wood carvings.

The Korean collection includes some very beautiful screens, old bronzes, a Korean chest inlaid with mother of pearl, etc. Cambodian and Mongolian collections are also on exhibit.

A Russian collection has been recently acquired. It consists of ikons dating from the fifteenth to the eighteenth century, a cloissone triptych, a bronze cross, and an enamel and marble chalice.

The Museum of Art has a large collection of modern water colors, woodblock prints, and oil paintings with Oriental subjects, by Helen Hyde, Elizabeth Keith, Charles Bartlett, Bertha Lum, and Maude I. Kerns.

The Murray Warner Museum Library is a valuable collection of books dealing with the history, the literature, the life, and the art of the Oriental countries. Periodicals concerned with the art and life of the Orient are on file in the library reading room.

Museum of Natural History

L. S. CRESSMAN, Ph.D.	.....	Director; Curator of Anthropology
HOMER G. BARNETT, Ph.D.	.....	Acting Director
R. R. HUESTIS, Ph.D.	.....	Curator of Vertebrate Collections
E. M. BALDWIN, Ph.D.	.....	Curator of Geology
LEROY DETLING, Ph.D.	.....	Curator of Herbarium
J. A. SNOTWELL, M.S.	.....	Preparator

The Museum of Natural History of the University of Oregon consists of five divisions: Anthropology, Botany, Geology, Palaeontology, and Zoology. The museum's exhibits are located on the second floor of Condon Hall. The staff invites inquiries concerning the collections and the fields of knowledge represented. Access to study specimens may be had on application to the curators. The Museum of Natural History welcomes gifts to its collections.

Condon Museum of Geology. The Condon Museum of Geology consists of collections of rocks, minerals, and fossils. It grew out of the early collection made by Dr. Thomas Condon. The Condon Museum contains: valuable material from the John Day fossil beds in central Oregon; display collections of minerals arranged according to the Dana classification; an educational set of rocks and minerals, given to the University by the United States Geological Survey; suites of fossils, both vertebrate and invertebrate, from various regions in the western part of the American continent; a complete fossil skeleton of the extinct saber-tooth tiger from the Rancho La Brea near Los Angeles, California; and other items of general and educational interest, including relief models and demonstration materials.

Herbarium. The Herbarium is well supplied with mounted specimens from Oregon and the Pacific Northwest, and has several thousand from eastern states

and the Philippines. It includes the Howell Collection of 10,000 specimens, mostly from Oregon; the Leiberg Collection, presented to the University by John B. Leiberg in 1908, consisting of about 15,000 sheets from Oregon, Washington, Idaho, and California; the Cusick Collection of 7,000 specimens; 1,200 sheets from the Philadelphia Academy of Sciences, obtained by exchange; and more than 25,000 sheets collected by the late Louis F. Henderson while curator of the Herbarium. These are housed for the most part in regulation steel herbarium cases, the gift of numerous friends in the state. Representative collections of the fossil flora of the state are being built up.

Oregon State Museum of Anthropology. The anthropological collections of the University were designated by the 1935 Legislature as the Oregon State Museum of Anthropology. The collections consist of skeletal and cultural materials from both archaeological and contemporary sources. Of particular interest are the following gift collections: the Condon Collection of archaeological material, collected in Oregon by Dr. Thomas Condon, consisting of many specimens illustrative of the prehistoric civilization of Oregon and the Northwest; the Ada Bradley Millican Collection of basketry and textiles, containing many specimens from the Pacific Northwest and from the Southwest; the Mrs. Vincent Cook Collection of baskets, mostly from the Pacific Northwest; the Mrs. Annie Knox Collection of baskets from western Oregon; the Phoebe Ellison Smith Memorial Collection of Philippine artifacts; a collection of Philippine war implements donated by Mrs. Creed C. Hammond; a large collection of Indian baskets, given to the museum by Miss A. O. Walton of Seattle; the D. P. Thompson Collection of fine Pacific Northwest and California baskets, presented by Mrs. Genevieve Thompson Smith; the Van de Velde Collection of Congolese iron and wood artifacts and musical instruments; and the Alice Henson Ernst Collection of North Pacific Coast masks and related objects.

Museum of Zoology. The University has about 6,600 specimens of vertebrates available for study. The majority of these are study skins of birds and mammals taken in various parts of Oregon and prepared by members of the Department of Biology. This collection has, in the past, been considerably enriched by contributions of individual specimens and private collections. Among the notable contributions are the collection of mounted birds and mammals presented by Dr. A. G. Prill, a collection of Oregon reptiles made by J. R. Wetherbee, and a collection of fishes made by J. R. Bretherton.

In 1945 the University purchased Dr. Prill's complete collection, adding to the museum approximately 1,600 bird skins, about 2,000 sets of eggs, and many nests. Most of the skins are of Oregon birds, and provide excellent material for the study of variation and adaptation. Some of the birds represented are now rare visitants in Oregon, and in some cases the only specimens reported.

The museum also has a collection of fresh- and salt-water invertebrates of the state of Oregon. A small part of the collection, mainly Echinoderms and Molluscs, has been identified; but most of the specimens are as yet uncatalogued.

Official Publications

THE legislative act placing all the Oregon state institutions of higher education under the control of one Board provided that all public announcements pertaining to the several institutions "shall emanate from and bear the name of the Department of Higher Education and shall be conducted in such a way as to

present to the citizens of the state and prospective students a fair and impartial view of the higher educational facilities provided by the state and the prospects for useful employment in the various fields for which those facilities afford preparation." Official publications of the University of Oregon include:

University of Oregon Bulletin. The UNIVERSITY OF OREGON BULLETIN is published eight times a year by the State Board of Higher Education. Included in the BULLETIN are the official catalogs of the University and its several divisions.

University of Oregon Monographs. Research studies published by the University appear in a series known as UNIVERSITY OF OREGON MONOGRAPHS.

Comparative Literature. COMPARATIVE LITERATURE, a quarterly journal, is published by the University of Oregon in cooperation with the Comparative Literature Section of the Modern Language Association of America.

Oregon Law Review. The OREGON LAW REVIEW is published quarterly under the editorship of the faculty of the School of Law as a service to the members of the Oregon bar and as a stimulus to legal research and productive scholarship on the part of students.

Oregon Business Review. The OREGON BUSINESS REVIEW is published monthly by the Bureau of Business Research. Its primary purpose is to report and interpret current business and economic conditions in Oregon and the Pacific Northwest.

Studies in Bibliography. Bibliographical studies, based principally on the resources of the University Library, are published occasionally in a series entitled UNIVERSITY OF OREGON LIBRARY STUDIES IN BIBLIOGRAPHY.

Municipal Research Bulletins. The publications of the Bureau of Municipal Research and Service, intended primarily as a service to city officials in the state of Oregon, are issued in four series, INFORMATION BULLETINS, LEGAL BULLETINS, FINANCE BULLETINS, and SPECIAL BULLETINS, published for the most part in mimeographed form.

Academic Regulations

Admission

TO BE admitted to the University of Oregon a student must be of good moral character and must present evidence of acceptable preparation for work at the college level.

Every person wishing to be admitted to the regular sessions of the University must file with the University Registrar: (1) an application on an official form supplied by the Registrar; (2) official transcripts of high-school and college records.

Application and transcripts of records should be filed several weeks before the applicant intends to enter the University; late filing may delay or prevent registration. If a student fails to submit the required documents in complete and satisfactory form, the University may cancel his admission and registration. All records submitted become the property of the University.

Admission to Freshman Standing

Graduation from a standard high school is required for admission to freshman standing. Residents of the state of Oregon who are graduates of standard high schools, and who have not been previously registered in any collegiate institution, are admitted to the University as freshmen when complete records have been received in the Registrar's Office.

The University thus affords to all Oregon residents who are graduates of standard high schools the opportunity to demonstrate in the University their ability to pursue higher education. But it cannot extend to all nonresident high-school graduates the same opportunity to prove their ability by work in the University; only those nonresident high-school graduates for whom the University can predict reasonably certain success in higher education are admitted. To provide a basis for selection, one of the following is required of a nonresident:

(1) A rank in the upper half of his high-school graduating class (certified by his principal).

(2) A rating of at least 5 on his high-school grades (as computed by the University).

(3) A college-ability test rating of at least 5 (on the Ohio Psychological Examination or the College Entrance Examination Board Scholastic Aptitude Test*).

High-school records submitted must include records of all work beyond the eight grade; they must be certified by the proper school official, on the official form used by the high school for this purpose.

* Information concerning scheduled dates and examination centers may be obtained from the College Entrance Examination Board, Princeton, N.J., or P.O. Box 9896, Los Feliz Station, Los Angeles 27, California.

Admission of Transfer Students

Transfer students are persons admitted to the University of Oregon after having been registered in any other institution of collegiate grade or in a department or center of extension work, including the General Extension Division of the Oregon State System of Higher Education.

Since the University of Oregon requires its students to maintain a scholastic average of C (grade-point average of 2.00) for "satisfactory" status in the University and for graduation, it also requires that students transferring to the University with regular standing from other collegiate institutions present records of C-average scholastic work and evidence of honorable dismissal. Transfer students who present fewer than 12 term hours of collegiate credit must also meet the requirements for freshman standing.

The amount of transferred credit granted depends upon the nature and quality of the applicant's previous work, evaluated according to the academic requirements of the University.

No advanced standing is granted at entrance for work done in nonaccredited collegiate institutions. After three terms of satisfactory work in the University, an undergraduate student transferring from a nonaccredited institution may petition for credit in University of Oregon courses which are the equivalent of courses taken in the nonaccredited institution; validating examinations may be required.

Transfer students are required to file complete official records of all school work beyond the eight grade. College records must be certified by the registrar of the institution providing the record. If the student's high-school record is adequately shown on his college transcript, he need not obtain another record direct from his high school.

Admission of Special Students

Students qualified by maturity and ability to do satisfactory University work, but who fail in some respect to meet the requirements for regular standing, may apply for admission as special students. Requirements for special-student admission include a rating of 5 or above on the Ohio Psychological Examination or the College Entrance Examination Board Scholastic Aptitude Test,* and the joint approval of the Registrar and the dean of the college or school in which the applicant wishes to study.

A special students should qualify for regular standing as soon as possible, by satisfactory University work and by the removal of any entrance deficiencies; he may not continue for more than 45 term hours of University work under special-student classification without explicit permission (which is seldom granted). A special student may earn credits toward a degree; to qualify for a degree, however, he must complete at least 45 term hours of work after he has been granted regular standing. (In case a regular student changes to special status, work done while a special student will not apply toward a degree.)

Admission to Graduate Standing

Graduates of accredited colleges and universities are admitted to regular graduate standing when they have filed official records of all college work with

* See page 54, note (*).

the University Registrar. Provisional graduate standing may be allowed, as a temporary classification, when the applicant files evidence that he has a degree and will be able to qualify for regular graduate standing. Graduates of non-accredited institutions may be admitted to regular graduate standing after completing at least one term of satisfactory graduate work in the University.

Entrance Examinations

TO PROVIDE the faculty with a basis for reliable advice and assistance to students planning their programs, the University requires entering undergraduates to take placement examinations. These examinations are considered to some extent a measure of ability to do University work, and the results are used as a basis for planning the student's educational and vocational program. Freshmen with low ratings on the placement examinations are required to take Corrective English (Wr K).

A physical examination is required of all entering students, undergraduate and graduate. The physical examination is given by a physician chosen by the student, who provides an examination report to the University Student Health Service. The physical examination is a safeguard both to the institution and to the student. For the student, it may result in the discovery and correction of defects which, if allowed to continue, might seriously impair his health; for the institution it may result in the prevention of epidemics which might develop from undiagnosed cases of contagious disease.

Degrees

IF CHANGES are made in the requirements for degrees, special arrangements may be made for students who have taken work under the old requirements. In general, however, a student will be expected to meet the requirements in force at the time he plans to receive a degree. The University grants the following academic degrees:

Liberal Arts—*B.A., B.S., M.A., M.S., Ph.D.*
 Architecture and Allied Arts—*B.A., B.S., B.Arch., B.I.Arch., B.L.A., M.A., M.S., M.Arch., M.F.A., M.L.A.*
 Business Administration—*B.A., B.S., B.B.A., M.A., M.S., M.B.A.*
 Dentistry—*D.M.D.*
 Education—*B.A., B.S., B.Ed., M.A., M.S., M.Ed., D.Ed., Ph.D.*
 Health and Physical Education—*B.A., B.S., B.P.E., M.A., M.S., Ph.D.*
 Journalism—*B.A., B.S., M.A., M.S.*
 Law—*B.A., B.S., LL.B., J.D.*
 Medicine—*M.A., M.S., Ph.D., M.D.*
 Music—*B.A., B.S., B.Mus., M.A., M.S., M.Mus.*
 Nursing Education—*B.A., B.S.*

Work leading to the degrees of *M.A. in General Studies* and *M.S. in General Studies* is offered under the direction of the Graduate School.

Requirements for Bachelor's Degree

Requirements for a bachelor's degree include (a) lower-division requirements (which the student should satisfy during his freshman and sophomore years) and (b) general requirements which must be satisfied before the degree is conferred.

Lower-Division Requirements. The lower-division requirements for a bachelor's degree are as follows:

- (1) Written English:
 - (a) For freshmen who receive low ratings on a placement examination given to all entering students: Corrective English (Wr K).
 - (b) For all students: English Composition (Wr 111, 112, 113), 9 term hours. (With the consent of the head of the Department of English, all or part of this requirement may be waived for students who demonstrate superior ability in writing.)
- (2) Physical education: 5 terms in activity courses.* (A student who has completed 4 terms of physical education with a grade of C or higher may, with the consent of the dean of the School of Health and Physical Education, be excused from further work in this field.)
- (3) Health education: HE 150 for men; HE 114, 115, 116 for women; or HE 250 for men or women.*
- (4) Military science: 6 terms for men, unless excused.*
- (5) Group requirement: A prescribed amount of work in the College of Liberal Arts, selected from three "groups" representing comprehensive fields of knowledge; the three groups are language and literature, social science, science; courses which satisfy the group requirement are numbered from 100 to 110 and from 200 to 210.† The group requirement is: a sequence totaling at least 9 term hours in each of the three groups and an additional 9-hour sequence in any one of the three groups; at least one of the four sequences must be a sequence numbered 200-210.
- (6) Grade-point average on completion of 93 term hours of work: minimum, 2.00.

General Requirements. The general requirements for a bachelor's degree are as follows:

- (1) Total credit:
 - (a) For B.A., B.S., B.B.A., B.Ed., B.P.E., or B.Mus. degree: minimum, 186 term hours.
 - (b) For B.Arch., B.I.Arch., or B.L.A. degree: minimum, 220 term hours.
 - (c) For LL.B. degree: minimum, 258 term hours.
- (2) Work in upper-division courses: minimum, 62 term hours.
- (3) Work in the major:
 - (a) Minimum: 36 term hours, including at least 24 hours in upper-division courses.

* Veterans, on filing evidence of military service, are granted credit in military science and in health and physical education, and are exempt from required work in these fields.

† For a classified list of courses satisfying the group requirement, see COLLEGE OF LIBERAL ARTS. To satisfy the group requirement in science, a sequence must either include laboratory work or carry 12 term hours of credit.

- (b) Any additional requirements of the major school or department (satisfaction of such requirements must be certified by the dean or department head).
- (4) Work in residence: minimum, 45 term hours of the last 60 presented for the degree.*
- (5) For the B.A. degree, work in language and literature: 36 term hours,† including attainment of proficiency in a foreign language equivalent to that attained at the end of two years of college study of the language.‡
- (6) For the B.S. degree, work in science or in social science: 36 term hours.‡
- (7) Restrictions:
- Correspondence study: maximum, 60 term hours.
 - Dentistry, law, medicine: maximum, 48 term hours toward any degree other than a professional degree.
 - Applied music: maximum for all students except music majors, 12 term hours; maximum for music majors toward the B.A. or B.S. degree, 24 term hours—of which at least 15 hours must be taken in Mus 390 or Mus 490 during the junior and senior years.
 - No-grade courses: minimum of 150 term hours in grade courses. See page 61.
- (8) Grade-point average, covering all work offered for the degree: minimum, 2.00.

Bachelor's Degree with Honors

As a challenge to superior students who desire to study independently in fields related to but not fully covered by regular courses, the University offers work leading to the degrees of Bachelor of Arts with Honors and Bachelor of Science with Honors. The aim of the honors program is to stimulate wide reading, through scholarship, and original or creative work on the part of the student. An honors student is required to maintain a grade-point average of 3.00 or better during each term of his honors program. Two types of honors work are available, as described below.

Eligibility and Enrollment. Students who (a) have completed 93 term hours of University work, (b) have completed all lower-division requirements for a bachelor's degree, and (c) have earned a grade-point average of not less than 2.75 are automatically eligible for honors work. Other students who have been admitted to junior standing must, to be admitted to honors work, obtain the ap-

* A maximum of 33 term hours of work completed in the extension centers of the Oregon State System of Higher Education may be counted toward the satisfaction of this requirement.

† For the purpose of determining distribution of hours for the B.A. or B.S. degree, the instructional fields of the College of Liberal Arts are classified as follows:

Language and Literature: General Arts and Letters, English, Foreign Languages, Speech.
Social Science: General Social Science, Anthropology, Economics, Geography, History, Philosophy, Political Science, Psychology, Religion, Sociology.

Science: General Science, Biology, Chemistry, Geology, Mathematics, Nursing Education, Physics.

‡ The language requirement for the B.A. degree may be met in any one of the following ways: (1) two years (normally 24 term hours) of college work in a foreign language; (2) one year of college work at the second-year level, or at a higher level, or (3) examination, administered by the Department of Foreign Languages, showing language competence equivalent to that attained at the end of two years of college study. The requirement may not be met by examination after the completion of a student's junior year.

proval of the Honors Council upon the recommendation of the head of their major department or school. An honors student enrolls with the chairman of the Honors Council each term during the period he is working for honors. Usually a student begins his honors program the first term of his junior year.

Study Programs. Each honor student works under the guidance of a single department or school. His program includes regular courses which satisfy University requirements for a degree and courses related to his honors project. Work in regular courses is supplemented by independent studies supervised by a member of the faculty. For this work the student registers for "Research" or "Reading and Conference," and for "Thesis." Not more than 18 term hours of credit may be earned by an honors student in independent studies in his major field. Two types of honors program, differing in the breadth of the field of study, are recognized:

(1) General Honors. For general honors, the student's honors program includes work offered by at least two departments (or more at the discretion of the Honors Council).

(2) Departmental Honors. For departmental honors, the field of the student's honors program need not extend beyond a single department or school.

Thesis and Examination. Honors studies culminate in an essay or thesis, and in an examination conducted by the department or school supervising the candidate's program. The examination must be passed and three copies of an accepted thesis must be submitted to the chairman of the Honors Council at least three weeks before Commencement. If these requirements, in addition to general University requirements for a degree, are fulfilled to the satisfaction of the Honors Council, the student receives a bachelor's degree with honors.

Advanced Degrees

The requirements for graduate degrees are listed under GRADUATE SCHOOL. The requirements for the degree of Doctor of Jurisprudence are listed under SCHOOL OF LAW. The requirements for the degree of Doctor of Medicine are listed in the University of Oregon Medical School Catalog. The requirements for the degree of Doctor of Dental Medicine are listed in the University of Oregon Dental School Catalog.

Academic Procedure

THE regular academic year throughout the Oregon State System of Higher Education is divided into three terms of approximately twelve weeks each. The summer session supplements the work of the regular year (see special announcements). Students may enter at the beginning of any term. It is important that freshmen and transferring students entering in the fall term be present for New-Student Week (see page 66). A detailed calendar for the current year will be found on pages 8-9.

Students are held responsible for familiarity with University requirements governing such matters as routine of registration, academic standards, student activities, organizations, etc. Complete academic regulations are included in the separately published Schedule of Classes, a copy of which is furnished each student by the Registrar's Office.

Definitions

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.

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 required per week for any course may be found in the Schedule of Classes.

Course-Numbering System

Courses throughout the Oregon 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 requirement in the language and literature, science, and social-science fields.
- 111-199, 211-299. Other courses offered at first-year and second-year level.
- 300-399. Upper-division courses not applicable for graduate credit.
- 400-499. Upper-division courses primarily for seniors. If approved by the Graduate School, these courses may be taken for graduate credit. In this Catalog, courses numbered 400-499, if approved for graduate *major* credit, are designated (G) following the title. Courses approved for graduate *minor* credit only are designated (g).
- 500-599. Courses primarily for graduate students but to which seniors of superior scholastic achievement may be admitted on approval of the instructor and department head concerned.
- 600-699. Courses that are highly professional or technical in nature and may count toward a professional degree only, and cannot apply toward advanced academic degrees such as M.A., M.S., or Ph.D.

Certain numbers are reserved for courses that may be taken through successive terms under the same course number, credit being granted according to the amount of work done. These course numbers are as follows:

- 301, 401, 501. Research, or other supervised original work.
- 303, 403, 503. Thesis (reading or research reported in writing).
- 305, 405, 505. Reading and Conference* (individual reading reported orally to instructor).
- 307, 407, 507. Seminar.

Grading System

The quality of student work is measured by a system of grades and by computed "grade-point averages."

* At the University, only students eligible for honors work may register for 305 or 405 Reading and Conference courses.

Grades. Student work is graded as follows: A, exceptional; B, superior; C, average; D, inferior; F, failed; INC, incomplete; W, withdrawn. Students ordinarily receive one of the four passing grades or F. When the quality of the work is satisfactory, but some minor yet essential requirement of the course has not been completed, for reasons acceptable to the instructor, a report of INC may be made and additional time granted. Students may withdraw from a course by filing the proper forms at the Registrar's Office in accordance with University regulations. A student who discontinues attendance in a course without official withdrawal receives a grade of F in the course.

Grade-Point Average. For purposes of computing a student's "grade-point average," the standard measure of scholastic standing, all work graded is assigned a numerical point value, as follows: A, 4 points per term hour; B, 3 points per term hour; C, 2 points per term hour; D, 1 point per term hour; F, 0 points per term hour. The grade-point average (GPA) is the quotient of total points divided by total term hours for which grades are received. Marks of INC and W are disregarded in the computation of the grade-point average.

No-Grade Courses. Certain University courses are designated "no-grade" courses. Students in these courses are rated "pass" or "not pass" in the term grade reports. No-grade courses are not considered in the computation of a student's grade-point average. To graduate from the University, a student must receive at least 150 term hours of credit in courses for which grades are given.

Scholarship Regulations

The administration of the regulations governing scholarship requirements is vested in the Scholarship Committee of the faculty. This committee has authority to disqualify a student from attending the University when it appears that his work is of such 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. Any term or cumulative grade-point average below 2.00 is considered unsatisfactory, and may bring the student's record under review by the Scholarship Committee.

The scholarship requirements for participation in student extracurricular activities are printed on page 82.

Fees and Deposits

STUDENTS at the University* and at Oregon State College pay the same fees. In the fee schedule printed below *regular* fees are those paid by all students under the usual conditions of undergraduate or graduate study. Regular fees are payable in full at the time of registration. *Special* fees are paid under the special conditions indicated.

Increases in costs may make necessary upward adjustments in the laboratory and course fee and the incidental fee. The Board of Higher Education reserves the right to make changes in the fee schedule without notice.

* Except students at the Medical School and Dental School. The fee schedules for students in these schools are published in their separate catalogs.

Payment of the stipulated fees entitles all students registered for academic credit (undergraduate and graduate, full-time and part-time) to all services maintained by the University for the benefit of students. These services include: use of the University Library; use of laboratory and course equipment and materials in connection with courses for which the student is registered; medical attention at the Student Health Service; use of gymnasium equipment (including gymnasium suits and laundry service); a subscription to the student daily newspaper; admission to athletic events; admission to concert and lecture series sponsored by the University. No reduction in fees is made to students who may not desire to take advantage of some of these privileges.

Regular Fees

Undergraduate Students. Undergraduate students enrolled in the University who are residents of Oregon pay regular fees each term of the regular academic year, as follows: tuition, \$10.00; laboratory and course fee, \$13.50; incidental fee, \$15.50; building fee, \$5.00. The total in regular fees, which includes all laboratory and other charges in connection with instruction,* is \$44.00 per term.

Undergraduate students who are not residents of Oregon pay the same fees as Oregon residents, and, in addition, a nonresident fee of \$50.00 per term, making a total of \$94.00 per term.

The regular fees for undergraduate students for a term and for a year may be summarized as follows:

Fees	Per term	Per year
Tuition.....	\$10.00	\$ 30.00
Laboratory and course fee.....	13.50	40.50
Incidental fee.....	15.50	46.50
Building fee.....	5.00	15.00
Total for Oregon residents.....	\$44.00	\$132.00
Total for non residents (who pay an additional nonresident fee of \$50.00 per term).....	\$94.00	\$282.00

Graduate Students. The regular fees and tuition for graduate students† total \$40.00 per term. Students holding graduate or research assistantships or fellowships pay fees totaling \$17.50 per term. Graduate students do not pay the nonresident fee. Graduate students registered for 6 term hours of work or less pay the regular part-time fee. Payment of graduate fees entitles the student to all services maintained by the University for the benefit of students.

Deposits

All persons who enroll for academic credit (except staff members) must make a deposit of \$5.00, payable once each year at the time of first registration. This is required as a protection against loss or damage of institutional property such as: dormitory equipment, laboratory equipment, military uniforms, Library books, locker keys. If at any time charges against this deposit become excessive, the student may be called upon to re-establish the original amount.

* Except special fees for instruction in applied music. See SCHOOL OF MUSIC.

† Except students in the School of Law, who pay undergraduate fees.

Special Fees

The following special fees are paid by students under the conditions indicated:

Part-Time Fee.....per term, \$10.00 to \$30.00

Students (undergraduate or graduate) who register for 6 term hours of work or less pay, instead of regular registration fees, a part-time fee in accordance with the following scale: 1-2 term hours, \$10.00; 3 term hours, \$15.00; 4 term hours, \$20.00; 5 term hours, \$25.00; 6 term hours, \$30.00. Students registered for 6 term hours or less do not pay the nonresident fee.

REVISED FEE SCHEDULE

Since the printing of this Catalog, increases in costs have made it necessary for the Board of Higher Education to increase student fees in the institutions of the Oregon State System of Higher Education. The revised schedule, as it affects students at the University and the State College, is as follows:

Undergraduate Students. Undergraduate students enrolled for 7 term hours of work or more pay the regular fees shown in the following table:

	Per term	Per year
Tuition.....	\$ 10.00	\$ 30.00
Laboratory and course fee.....	20.00	60.00
Incidental fee.....	17.00	51.00
Building fee.....	8.00	24.00
Total for Oregon residents.....	\$ 55.00	\$165.00
Total for nonresidents (who pay an additional nonresident fee of \$60.00 per term).....	\$115.00	\$345.00

Graduate Students. Graduate students enrolled for 7 term hours of work or more pay regular fees totaling \$50.00 per term. Students holding graduate or research assistantships or fellowships pay regular fees totaling \$20.50 per term.

Part-Time Students. Students (undergraduate or graduate) enrolled for 6 term hours of work or less pay, instead of regular registration fees, a part-time fee in accordance with the following scale: 1-2 term hours, \$12.00; 3 term hours, \$18.00; 4 term hours, \$24.00; 5 term hours, \$30.00; 6 term hours, \$36.00.

Library Fines and Charges.....See LIBRARY

Refunds

Fee Refunds. Students who withdraw from the University 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 University Business 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.

Payment of the stipulated fees entitles all students registered for academic credit (undergraduate and graduate, full-time and part-time) to all services maintained by the University for the benefit of students. These services include: use of the University Library; use of laboratory and course equipment and materials in connection with courses for which the student is registered; medical attention at the Student Health Service; use of gymnasium equipment (including gymnasium suits and laundry service); a subscription to the student daily newspaper; admission to athletic events; admission to concert and lecture series sponsored by the University.

All persons who enroll for academic credit (except staff members) must make a deposit of \$5.00, payable once each year at the time of first registration. This is required as a protection against loss or damage of institutional property such as: dormitory equipment, laboratory equipment, military uniforms, Library books, locker keys. If at any time charges against this deposit become excessive, the student may be called upon to re-establish the original amount.

* Except special fees for instruction in applied music. See SCHOOL OF MUSIC.

† Except students in the School of Law, who pay undergraduate fees.

Special Fees

The following special fees are paid by students under the conditions indicated:

Part-Time Fee.....	per term, \$10.00 to \$30.00
Students (undergraduate or graduate) who register for 6 term hours of work or less pay, instead of regular registration fees, a part-time fee in accordance with the following scale: 1-2 term hours, \$10.00; 3 term hours, \$15.00; 4 term hours, \$20.00; 5 term hours, \$25.00; 6 term hours, \$30.00. Students registered for 6 term hours or less do not pay the nonresident fee. Payment of the part-time fee entitles the student to all services maintained by the University for the benefit of students.	
Staff Fee.....	per term hour, \$3.00
On approval by the President's Office, full-time staff members registering for University courses pay a special staff fee of \$3.00 per term hour. Payment of this fee entitles staff members to instructional and Library privileges only.	
Auditor's Fee.....	per term hour, \$3.00
An auditor is a person who has obtained permission to attend classes without receiving academic credit; he is not considered an enrolled student. The auditor's fee is payable at the time of registration, and entitles the student to attend classes, but to no other institutional privileges. Students regularly enrolled in the University may be granted the privileges of an auditor without paying the auditor's fee.	
Late-Registration Fee.....	per day, \$1.00
Students registering after the scheduled registration dates of any term pay a late-registration fee of \$1.00 per day. Part-time students and auditors are not required to pay the late-registration fee.	
Change-of-Program Fee	\$1.00
A student may be required to pay 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.	
Special Examination Fees.....	\$1.00 to \$10.00
A student pays a fee of \$1.00 a term hour for the privilege of taking an examination for advanced credit, or other special examinations. A graduate student taking his preliminary or final examination at a time when he is not registered for academic work pays as examination fee of \$10.00.	
Graduate Qualifying-Examination Fee.....	\$1.00 to \$15.00
Paid by students taking the Graduate Record Examination or other standard tests of ability to do graduate work.	
Transcript Fee	\$1.00
This fee is charged for each transcript of credits issued after the first, which is issued free of charge.	
Placement-Service Fees.....	See SCHOOL OF EDUCATION
Music Course Fees.....	See SCHOOL OF MUSIC
Library Fines and Charges.....	See LIBRARY

Refunds

Fee Refunds. Students who withdraw from the University 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 University Business 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 ceased attending classes, except in unusual cases when formal withdrawal has been delayed through causes largely beyond the control of the student.

Deposit Refunds. The \$5.00 deposit, less any deductions which may have been made, is refunded about three weeks after the close of the academic year. Students who discontinue their work at the University before the end of the year may receive refunds, upon petition to the Business Office, about six weeks after the close of the fall or winter term.

Regulations Governing Nonresident Fee

The Oregon State Board of Higher Education has ruled that any person who comes into the state of Oregon for the purpose of attending one of the institutions under the control of the Board, and who for any reason is not qualified for classification as a resident of the state of Oregon, shall pay the nonresident fee, except: (a) a student who holds a degree from an accredited college or university and is registered in a curriculum other than professional dentistry, law, or medicine, (b) a student attending summer session, (c) a student paying part-time fees, (d) a student whose parent is a regular employee of the Federal government stationed in Oregon, or (e) a student whose father is domiciled in the state of Oregon as defined under (1) below.

The residence or domicile of a student is normally that of his father; if his father is not living, it is normally that of his mother. In case of parents' divorce, the domicile of a student is generally determined by the residence of the parent to whom custody is granted by the court. The domicile of a wife is normally that of her husband; if both are students, the wife's residence status is determined by that of the husband. The domicile of a student who is independent of the relations mentioned above is determined by rule (1) below. An alien cannot begin to establish residence until he has obtained his first citizenship papers.

The Board has established the following rules to be observed in determining the residence status of students:

(1) Residence and domicile are synonymous and domicile shall be considered to be a fixed permanent residence to which the student has the intention of returning. The fixed permanent residence must normally have been maintained for at least twelve months prior to the school term for which resident classification is sought, and must be a bona fide residence which the student has no intention of changing when the school period has expired. Proved actual residence and intention to remain must exist simultaneously. Factors used in determining intent include age and family status of the student, residence of near relatives, place of voting, ownership of property, sources of financial support, length of time within the state, record of employment and schooling (intent cannot be demonstrated by school attendance alone).

(2) A student whose official records show his own or his parent's domicile to be outside of Oregon is prima facie a nonresident, and the burden is upon the student to prove the contrary. If his official transcripts of academic record show attendance at a school outside of Oregon, he may be required to furnish further proof of Oregon domicile.

(3) A nonresident at the time of enrollment is held to that classification throughout his attendance as a student, except where he can prove that his or his parent's previous domicile has been abandoned and a new one established in Oregon in accordance with these regulations. A resident student will be reclassified as nonresident at any time his Oregon domicile is lost.

Student Life and Welfare

Office of Student Affairs

AT THE University of Oregon, an integrated program of student counseling and supervision of student life and group activities is administered through the Office of Student Affairs. The Director of Student Affairs is assisted by four associate directors, with special responsibilities for: women's affairs, men's affairs, the University Counseling Center, and employment and graduate placement. The Registrar's Office also operates under the general direction of the Director of Student Affairs.

The director and his associates maintain close personal contact with individual students and with student organizations, and are available at all times for advice and help on all matters pertaining to their welfare.

University Counseling Center. The University Counseling Center provides facilities for testing and counseling University students, to help them make wise choices in their studies and solve academic and personal problems. A special fee of \$5.00 is charged for the full educational and vocational testing service of the Counseling Center.

Speech and Hearing Clinic. The Speech and Hearing Clinic, operating in conjunction with the Counseling Center, provides diagnosis, consultation, and treatment in connection with speech and hearing problems of University students. Students are referred to the clinic either by the Counseling Center or by faculty advisers.

Reading Clinic. Some students, although they may not clearly recognize their disability, fail to get the most from their University work because of difficulties in reading. Frequently these difficulties are correctable. The Reading Clinic, operating in conjunction with the Counseling Center, provides an opportunity for scientific diagnosis and correction of student reading difficulties.

Veterans Advisory Program. Every effort is made to adapt the educational resources of the University to the needs of veterans of World War II. A special advisory program for veterans is administered through the Registrar's Office. This service supplements but does not take the place of the regular advising and counseling agencies in the University.

Foreign-Student Adviser. A member of the staff of the Office of Student Affairs serves as special adviser to foreign students attending the University, to assist them with personal problems and with adjustments to the customs and procedures of American educational systems. The foreign-student adviser is prepared to give advice and help in connection with visas, government regulations, scholarships, employment, and general orientation to American life.

University Placement Services. The University maintains three offices to provide assistance to students and graduates in obtaining employment: (1) the Student Employment Service, to aid students seeking part-time and vacation jobs, (see page 70); (2) the Teacher Placement Service, for the placement of graduates in teaching and administrative positions in the public schools (see School or

EDUCATION); and (3) the Graduate Placement Service, to aid graduates seeking professional employment in nonteaching fields.

In its effort to help persons trained at the University to find positions for which they are qualified by ability and education, the Graduate Placement Service maintains contacts between the University and employers, particularly in Oregon and the Pacific Northwest. Its program is carried on in cooperation with University schools and departments. Senior students are encouraged to file credentials with the Placement Service for future use, whether or not they need immediate assistance in obtaining employment.

The University endeavors to help each student in the selection of the life career which for him promises to be most satisfactory, and to guide him into courses and activities which are most likely to contribute toward success in his vocation and toward the development of a well-rounded personality. Successful men and women in many fields are brought to the campus for conferences with students on vocational problems.

New-Student Week

NEW-STUDENT Week, a program of orientation for entering undergraduate students, is held annually the week before classes begin. During this period, new students are made familiar with the aims of higher education, the principles governing the wise use of time and effort, methods of study, and the ideals and traditions of the institution. Every effort is made to assist new students in getting the best possible start in their work. Full directions concerning New-Student Week and registration procedure are sent to each student who is accepted for admission.

The examinations and tests given entering students during New-Student Week provide the University faculty with a basis for advising and assisting students in planning their University programs. These examinations are scheduled at regular times during the week. Each entering student receives from the Registrar a detailed schedule of his individual appointments for examinations. The student should follow this schedule faithfully, in order to avoid delay in registration and possible penalties for make-up appointments.

The University, recognizing that fraternities and sororities form a part of University life and provide living quarters for a substantial part of the student body, has, with the cooperation of these organizations, made provisions by which they may choose their members in an orderly fashion, with a minimum of interference with the beginning of University work.

A "welcome book," the ORE-NTER is published annually in August and is sent to all new students who have been admitted to the University.

Student Living

COMFORTABLE, healthful, and congenial living conditions contribute much to the success of University life and work. Living conditions of the right kind aid students to do their best in their studies and contribute, through the experiences of group life, to the building of character and personality. Hence the University is vitally concerned with student housing. Halls of residence are maintained on the campus by the institution, and the living conditions of students residing outside the dormitories are closely supervised.

Many students live in fraternity houses accommodating groups of from twenty to fifty persons. Admission to these groups is by invitation only. Students also live in private homes and rooming houses near the campus. In several cooperative houses, groups of students enjoy the benefits of group living while keeping expenses at a minimum.

University Dormitories

The University provides dormitory accommodations for 1,607 students. Living conditions are comfortable and democratic, favorable to successful student work and to participation in the wholesome activities of campus life.

Men's Dormitories. The John Straub Memorial Building provides six halls of residence for men: Alpha, Gamma, Sigma, Omega, Zeta, and Sherry Ross halls. The building houses 272 students. Each hall has its own club rooms. Each room is equipped with individual study tables, study chairs, a lounge chair, individual dressers, a steel costumer, and individual closet space. Sleeping porches, each accommodating four men, are equipped with single beds.

Housing for 752 men is provided in two frame dormitories which were moved to the campus from industrial centers of the Pacific Northwest after the close of World War II. Each of the dormitories is divided into five units, which are named in honor of University alumni who gave their lives for their country in the war. These dormitories were originally open only to veterans; this restriction has, however, been removed. The units of Veterans Dormitory No. 1 are: Stitzer, Stan Ray, McChesney, Minturn, and Merrick halls. The units of Veterans Dormitory No. 2 are: Cherney, French, Hunter, Nestor, and Sederstrom halls. Both double and single rooms are available. Room furnishings include: single beds, chest of drawers, study table, study chairs, clothes closet for each man, occasional chair, and night stand.

Men living in the dormitories must furnish towels, a water glass, and an extra blanket.

Women's Dormitories. The University maintains three halls of residence for women, Hendricks Hall, Susan Campbell Hall, and Carson Hall.

Carson Hall is a new five-story building completed in 1949. It houses 333 student residents, principally in rooms accommodating two girls. A few single rooms are available. Much of the furniture—single beds, individual wardrobes, chests of drawers with mirrors, and study desks—is of built-in construction. Snack kitchenettes, bathrooms with tubs and showers, complete laundry facilities, and trunk-storage rooms are provided on each floor.

Hendricks Hall and Susan Campbell Hall house 112 students each, in suites accommodating four girls. A suite includes a study room, dressing room, and sleeping porch with individual beds. Each study room is furnished with a study table, book stands, chairs, and a couch. Each dressing room has individual chiffoniers with mirrors, and individual closet space. The suites are arranged in units of approximately nine suites each; each floor of each unit has a bathroom equipped with showers. Complete laundry equipment and trunk-storage space are provided in the hall basements.

Dormitory accommodations for women students are also provided in Mary Spiller Hall, an annex to Hendricks Hall.

Women residing in the halls must supply their own towels, a water glass, and an extra blanket.

University Dining Halls. The University maintains five dining halls for students, in the John Straub Memorial Building, in Hendricks Hall, in Carson Hall, in a separate cafeteria building between the two veterans dormitories, and in the Erb Memorial Union. Residents of Susan Campbell Hall take their meals in the Straub dining hall.

Room Reservations. Students who plan to live in the dormitories should make room reservations as early as possible before the opening of the school year. Application must be made on an official form, and must be accompanied by a room deposit of \$15.00. Copies of the form may be obtained from the Director of Dormitories. Dormitory reservations will not be cleared until the student has been cleared by the Registrar for admission to the University.

Dormitory Living Expenses. Board and room rates in the University dormitories are as follows:

	Board, per Month	Room, per Term	
		Multiple Units	Single Rooms
Straub, Hendricks, Campbell.....	\$47.00	\$53.00	\$ 79.50
*Veterans dormitories.....	47.00	45.00	57.00
Carson.....	47.00	68.00	102.00

Room rent is payable in two equal installments each term. The first installment is paid when the student arrives at the dormitory at the beginning of the term, the second on a fixed date later in the term. Board bills must be paid monthly in advance.

Students who do not pay board and room charges within five days after payment is due are assessed a late-penalty fee of \$1.00 for the first day (after five) and \$1.00 for each additional day until a maximum charge of \$5.00 is reached. If dormitory charges are not paid within ten days after they are due, the student's registration may be canceled.

The right is reserved to increase the charge for room or board, should advance in costs require it. The charges will be decreased whenever decreased costs make this possible.

Dormitory Deposit Refund. The \$15.00 dormitory room deposit is regularly refunded at the close of the academic year. The deposit will, however, be refunded at the end of any term to students who do not plan to return to the University the following term, or who are moving from the dormitories to other quarters; students withdrawing from the University before the end of a term may receive a refund at the time of withdrawal.

If dormitory reservations are canceled, the deposit will be refunded only if the cancellation is made two weeks before the opening of the term for which reservations have been made. A student who has made dormitory reservations, and has not canceled his reservations two weeks before the opening of the term, will be required to live in the dormitories if he enrolls in the University.

Fraternities and Sororities

Fraternities and sororities provide comfortable living accommodations under University supervision. Members are chosen during rushing periods set aside for this purpose. Board and room costs are approximately the same as for students living in University dormitories.

In the summer, after formal notice of admission has been received, new students who are interested in fraternity or sorority membership should write to the

* Open to all men students; restriction of occupancy to veterans has been discontinued.

Office of Student Affairs for full information, instructions, and a copy of rushing rules.

Further information may be obtained from the Director of Women's Affairs for sororities or from the Director of Men's Affairs for fraternities.

Fraternities on the Oregon campus are organized into the Interfraternity Council, which is a member of the National Interfraternity Conference. Sororities are organized into the Panhellenic Council, which is a member of the National Panhellenic Congress.

Sororities at the University are: Alpha Chi Omega, Alpha Delta Pi, Alpha Gamma Delta, Alpha Omicron Pi, Alpha Phi, Alpha Xi Delta, Chi Omega, Delta Delta Delta, Delta Gamma, Delta Zeta, Gamma Phi Beta, Kappa Alpha Theta, Kappa Kappa Gamma, Pi Beta Phi, Sigma Kappa, Zeta Tau Alpha.

Fraternities at the University are: Alpha Tau Omega, Beta Theta Pi, Chi Psi, Delta Tau Delta, Delta Upsilon, Kappa Sigma, Lambda Chi Alpha, Phi Delta Theta, Phi Gamma Delta, Phi Kappa Psi, Phi Kappa Sigma, Phi Sigma Kappa, Pi Kappa Alpha, Pi Kappa Phi, Sigma Alpha Epsilon, Sigma Alpha Mu, Sigma Chi, Sigma Nu, Sigma Phi Epsilon, Tau Kappa Epsilon, Theta Chi.

Cooperative and Independent Houses

Students with urgent financial problems, excellent character, and superior scholarship may apply for membership in cooperative houses, where, by sharing housekeeping responsibilities, they are able to save about \$15.00 a month on board and room costs. There are three cooperative houses for women, Highland, Rebec, and University; and two for men, Campbell Club and Philadelphia House. Applications for membership must be made through the Office of Student Affairs; applications are subject to approval by the undergraduate membership of the house.

Although, under general University housing regulations, freshman students are required to live in the dormitories, permission to live in cooperative houses will be granted to freshmen, if, for financial reasons, they would otherwise be unable to enter the University.

Ann Judson House, maintained by the Baptist Church but with membership open to young women of all religions, is operated as an independent dormitory, under University supervision. Applications for membership should be addressed to the Director of Women's Affairs.

Rooms in Private Homes

The housing secretary in the Office of Student Affairs maintains a file of rooms available in private homes in Eugene. Students are advised to engage rooms personally after inspection of the quarters and a conference with the householder; the housing secretary is available for any needed assistance.

Housing for Married Students

Housing for married students is provided in 375 family-dwelling units owned or operated by the University. The units include a wide variety of accommodations, from trailer houses to two-bedroom apartments. The rents range from \$26.00 to \$43.00 per month. The number of family units available is short of the demand. Applications for reservations will be accepted, but applicants must take their turn on a waiting list. Application should be made to the Director of Family Housing, University Business Office.

Housing Regulations

(1) Freshmen students are required to live in the University dormitories; other lower-division men and other undergraduate women are required to live either in the dormitories or in houses maintained by organized University living groups (fraternities, sororities, cooperatives). Married students and students living with relatives in Eugene are excepted from this rule. Other exceptions are rare, and are made only for students working for room and board, or for whom rooms are not available in campus quarters.

(2) Unmarried undergraduate students are not allowed to live in apartment houses, motor courts, hotels, or separate houses.

(3) All students living in dormitories must take their meals in the dormitory dining rooms.

(4) Students (except freshmen) who are living in the dormitories may move to fraternity or sorority houses, or to other quarters, at the end of any term—if permission is granted by the Director of Men's Affairs or the Director of Women's Affairs.

Student Expenses

The average expenses incurred by a student at the University during an academic year are shown in the table below. Some students with ample means spend more; but many students find it possible to attend the University at a much lower cost. Board-and-room estimates are based on charges in the halls of residence. The incidental item will vary greatly with the individual. The expenses of the fall term are listed also, since there are expenses during this term not incurred during the winter and spring terms.

	Fall Term	Year
Institutional fees.....	\$ 44.00	\$132.00
Books, supplies, etc.....	20.00	43.00
Board and room.....	193.00	550.00
Incidentals.....	25.00	75.00
Total.....	\$282.00	\$800.00

It should be remembered that, in thinking of the cost of a year at the University, a student usually has in mind the amount he will spend from the time he leaves home until he returns at the close of the year. Such an estimate would include clothing, travel, and amusements—items which vary according to the thrift, discrimination, and habits of the individual. These items are not included in the table.

Self-Support

Many students earn a large part of their University expenses by work in the summers and during the academic year; some students are entirely self-supporting. The University assists those seeking part-time and vacation jobs through the Student Employment Service. Students wishing part-time jobs on the campus or in the Eugene community are advised to write to the Employment Service a few weeks before the opening of the fall term; in most cases, however, definite commitments for employment are made only after personal interviews.

Student Health Service

THROUGH the Student Health Service the University does all in its power to safeguard the health of its students. The Health Service accomplishes its ends through health education, complete medical examinations for the detection of remediable defects, constant vigilance against incipient disease, medical treatment of acute diseases, and the maintenance of hygienic student living conditions.

The student health services in the institutions in the Oregon State System of Higher Education are supported by student registration fees. Every student registered for credit may receive general medical attention and advice at the Student Health Service during office hours. Limited hospital facilities are maintained for students whose condition requires hospitalization for general medical attention. Such patients are admitted only upon the advice of the Health Service physician. Fifteen days is the maximum period of hospital service during any one academic year. When a special nurse is necessary, the expense must be met by the student. All expenses of, or connected with, surgical operations or specialized service must be borne by the student. Under no circumstances will the Health Service pay or be responsible for bills from private physicians or private hospitals. The privileges of the Health Service are not available to members of the faculty.

The Student Health Service occupies a \$125,000 building. On the first floor are modern clinical facilities, including examining rooms, physiotherapy department, minor surgery, laboratory, and X-ray department. On the second floor are two-bed and four-bed wards for hospital service. Contagious cases may be isolated on this floor. The staff of the hospital and clinic includes three physicians and eight registered nurses, one of whom is a registered X-ray technician and one a laboratory technician.

Vaccination. Under a ruling of the State Board of Higher Education, students are required, as a condition of entrance to any of the institutions of the State System, to satisfy the institutional physician of immunity to smallpox (by evidence of having had the disease or of successful vaccination). Exception is made, however, for students who decline vaccination because of religious convictions. Such students may be admitted, but only on the condition that they or (in the case of minor dependent students) their parents or guardians agree in writing to assume all expenses incident to their care or quarantine, should they fall ill of smallpox while students at the institution.

Physical Examination. Before admission, each entering student is required to have a physical examination by a physician of his choice, and to present a record of this examination on a form provided by the University. The object of this examination is twofold, the benefit of the individual and the protection of the group. In making the physical examination compulsory in all the institutions of the State System, the Board of Higher Education has been motivated principally by the second consideration.

Student Loan Funds

THE University of Oregon administers student loan funds totaling approximately \$215,000. These funds are available for two types of loans: regular loans for a period of six months to two years; and emergency loans of small amounts for a period of sixty days or less.

The first University loan fund was founded in 1901 through the generosity of William M. Ladd of Portland. Other early contributors were A. S. Roberts of The Dalles and the Class of 1904. Although for a number of years the total amount of the fund was only a little over \$500, its benefits were large. Through it many students were enabled to complete their University work who otherwise could not have done so. In 1909 Senator R. A. Booth of Eugene became interested in the loan fund and through his efforts a number of others made substantial donations. Among these early donors were: Theodore B. Wilcox and J. C. Ainsworth of Portland, John Kelly of Eugene, W. B. Ayer of Portland, the classes of 1911 and 1913, Mrs. Ellen Condon McCornack, Ben Selling of Portland, and the estate of the late D. P. Thompson of Portland.

In recent years the loan funds have grown very rapidly through gifts, bequests, and accumulated interest.

In addition to the funds administered by the University, the following loan funds are available to University of Oregon students (except where another procedure is indicated, applications for loans are made through the Office of Student Affairs):

American Association of University Women Loan Fund. Women students of the University are eligible to receive aid from the scholarship loan fund of the Eugene branch of the American Association of University Women.

American Bankers' Association Loan Scholarship. The American Bankers' Association awards annually a \$250 loan scholarship to a senior student in business administration. The award is made by a faculty committee of the School of Business Administration.

Crawford Loan Fund. This fund, a bequest of Edward G. Crawford and Mrs. Ida M. Crawford, his wife, is administered by the United States National Bank of Portland as trustee. All loans must be approved by a committee consisting of three residents of Portland. The purpose of the fund is to assist worthy young men desiring to educate themselves.

Eastern Star Educational Fund. Loans of not more than \$300 in a school year are available to students who are members or daughters of members of the Order of the Eastern Star. Notes are for one year, renewable at the pleasure of the worthy matron, and draw 4 per cent interest. Loans are made upon honor, no security being asked, and are made by the trustees of the Grand Lodge upon the recommendation of the University and the approval of the worthy matron and worthy patron of the Eugene chapter of the Order of Eastern Star.

Gertrude Watson Holman Memorial Gift Fund. Small amounts of money for emergency financial assistance to worthy women students are provided through this fund. Repayment is not required; but recipients of assistance are invited to contribute voluntarily to the fund, when they are financially able, in order that equally deserving girls may benefit.

Oregon Federation of Women's Clubs Educational Fund. This fund provides loans to women students who are well recommended.

Ben Selling Loan Fund. This fund was bequeathed by Ben Selling, and is administered by his son, Dr. Laurence Selling of Portland.

Mary Spiller Scholarship Loan Fund. The Mary Spiller Scholarship Loan Fund of \$5,000 was established by the State Association of University of Oregon Women in honor of Mrs. Mary P. Spiller, the first woman member of the faculty. The income from the fund is available for scholarship loans.

Administration of Loan Funds

The loan funds held in trust by the University are governed by uniform principles and policies, administered by a Student Loan Committee. Applications for loans are made through the Office of Student Affairs. Loans are made in accordance with the following regulations:

(1) Any student may borrow from the University loan funds who has been enrolled in the University for at least one term and has a cumulative GPA of at least 2.00.

(2) The service charge for emergency loans for one month is 50 cents for all loans up to \$10.00 and \$1.00 for loans over that amount. Students who do not redeem their emergency-loan notes within a month must pay an additional service charge of 25 cents per month for five months, and thereafter 6 per cent interest on the unpaid balance.

(3) The interest rate for long-time loans is 4 per cent per year.

(4) Rarely is more than \$300 lent to any individual student from University loan funds. Some other funds available to University students permit larger loans.

(5) It is the policy of the University to encourage repayment of loans as soon as the borrower is able to pay. The maximum loan period is two years, with the privilege of renewal if the borrower has in every way proved himself worthy of this consideration. Payment of loans in monthly installments as soon as possible after graduation is encouraged. The interest on renewed loans is 4 per cent a year if the borrower is still a student at the University; the rate of interest on renewals made after the student leaves the University is 6 per cent.

(6) The University does not accept various forms of collateral which most money lenders require for the security of loans. The only security accepted is the signature of two responsible property owners, in addition to that of the student borrower. The co-signers must submit evidence of their ability to pay the note—by filing a financial statement or by giving bank references. The Student Loan Committee requires that one co-signer qualify by bank reference. It is desirable that one of the co-signers be the parent or guardian of the borrower. If a student is married, his or her spouse must sign the loan application.

(7) Emergency loans are granted for short periods of time, usually from one to sixty days. The signature of the borrower is the only security required for an emergency loan.

(8) In considering applications, the following personal qualities of the student weigh heavily in the minds of the members of the Student Loan Committee: (a) scholastic record; (b) reputation for reliability, honesty, and industry; (c) need for aid and probability of wise expenditure; (d) amount of present indebtedness; (e) ability to repay; (f) effort which the student has made to assist himself.

(9) Except in the case of a few funds which are specifically restricted to University students at Eugene, students at the Medical School and at the Dental School are eligible for loans from University student loan funds on the same basis as students on the campus at Eugene.

Scholarships and Fellowships

SCHOLARSHIPS and fellowships are available to University students of ability and promise. Most of these awards have been established through the generosity of private donors. Fellowships and scholarships offered to students at the University of Oregon Medical School are listed in the Medical School Catalog.

The scholarships and fellowships listed below have a value at least sufficient to cover the cost of tuition and laboratory and course fees at the University for a full academic year, and are open to competition by all students or by specified groups of students. A number of partial scholarships and special funds for the assistance of needy students are also available; information concerning these funds may be obtained from the Office of Student Affairs.

The award of scholarships and fellowships is coordinated through a faculty Committee on Scholarships and Financial Aid. A single form is provided for application for all undergraduate scholarships (except state fee scholarships, for which application on a special form is required). A student applying for a par-

ticular scholarship is automatically given consideration for all available scholarships for which he may be eligible.

Application for any scholarship administered by the University of Oregon may be made on a form furnished by the Oregon State System of Higher Education; copies of the form may be obtained from high-school principals. Applications should be addressed to Karl W. Onthank, chairman of the Committee on Scholarships and Financial Aid, and should be filed not later than April 1.

State Scholarships. A limited number of state scholarships are awarded annually to students in the institutions of the Oregon State System of Higher Education. These scholarships cover tuition and laboratory and course fees (a total of \$23.50 a term or \$70.50 a year for a student attending the University). Recipients of scholarships must, however, pay the incidental fee, the building fee, and special fees. At least fifty per cent of the scholarships are awarded to entering freshmen. To be eligible, an entering student must rank in the upper third of his high-school graduating class. Students who have previously attended an institution of higher learning must have a grade-point average of 2.50 (computed according to the grade-point system in use by the Oregon state institutions of higher education). All applicants, to be eligible, must be in need of financial assistance.

State Scholarships for Foreign Students. A limited number of state scholarships are awarded annually to students from foreign countries attending the institutions of the Oregon State System of Higher Education. These scholarships cover tuition, the nonresident fee, and the laboratory and course fee (a total of \$73.50 a term or \$220.50 a year at the University). Supplementary scholarship grants are often made by fraternities, sororities, dormitories, service clubs, and individual donors to assist foreign students in the payment of board-and-room and other expenses. For information address Mr. James D. Kline, foreign-student adviser.

State Scholarships for Residents of Alaska and Hawaii. By act of the Oregon Legislature, students from Alaska and Hawaii who are qualified for admission as nonresident students and who have resided in Alaska or Hawaii for two years may be awarded scholarships to cover tuition, the nonresident fee, and the laboratory and course fee (\$73.50 a term or \$220.50 a year). These scholarships are renewable term by term if the students remain in good standing.

University Assistantships and Fellowships. Graduate and research assistantships and fellowships are awarded annually by the University to qualified graduate students. For stipends and application procedure, see GRADUATE SCHOOL.

Associated Women Students Scholarships. The Associated Women Students of the University award one or more \$75 scholarships each year to worthy women students.

Burleson Accounting Scholarship. A scholarship of \$100 is awarded annually to an outstanding graduate of McMinnville High School for major work in accounting in the School of Business Administration of the University of Oregon. This award is made by James B. Burleson of Dallas, Texas.

Robert A. Booth Fellowship in Public Service. This \$250 fellowship, supported by a bequest from the late Robert A. Booth of Eugene, is awarded annually to an outstanding graduate of an accredited college or university. The award is made on the basis of scholarship, character, personality, and interest in public service as a career.

Thomas Condon Fellowship in Palaeontology. The Thomas Condon Fellowship is awarded as an aid to graduate study in the field of palaeontology. It is endowed through a bequest from the late Mrs. Ellen Condon McCornack, and is named in memory of her father, Dr. Thomas Condon, member of the University faculty from 1876 until his death in 1906.

Bernard Daly Scholarships. Under terms of the will of the late Dr. Bernard Daly of Lakeview, Oregon, worthy young men and women of Lake County, Oregon may receive a portion of their college expenses from the Bernard Daly Educational Fund. The fund is administered by a board of trustees, including a representative of the University of Oregon; the board selects the scholars annually after a qualifying examination held in Lake County.

Delta Delta Delta Scholarships. Two scholarships are awarded annually by the Delta Delta Delta sorority to University women students: a \$350 scholarship to provide financial assistance to a student during her junior year; and a \$250 scholarship to assist a student during her senior year. The awards, which are announced during Junior Week End, are made on the basis of need, scholarship, and record of student activities. The scholarships are financed by the local Delta Delta Delta chapter and by alumnae groups.

Maud Densmore Music Scholarship. This scholarship, ranging in value between \$90 and \$150, is awarded annually by the Women's Choral Club of Eugene to a graduate of a Eugene high school, for vocal-music instruction at the University. The award is made on the basis of vocal ability, character and personality, and financial need.

Donald M. Erb Memorial Scholarships. The Oregon Dads organization awards several \$200 scholarships and a number of smaller grants each year to freshmen students graduating from Oregon high schools. The scholarships are named in memory of the late Dr. Donald M. Erb, President of the University from 1938 to 1943. High-school students may apply for Erb Scholarships during their senior year or during the two years following their graduation.

Herbert Crombie Howe Scholarship. This scholarship is endowed through a gift from Mrs. Herbert Crombie Howe in memory of her husband, a member of the faculty of the Department of English from 1901 until his death in 1940, and for many years faculty representative to the Pacific Coast Intercollegiate Athletic Conference. It is awarded to students injured in athletic competition, to help them continue their education.

Kappa Alpha Theta Art Scholarship. A scholarship amounting to \$70 or more is awarded annually by the University chapter of Kappa Alpha Theta to a junior or senior woman majoring in the field of fine arts. The recipient must be unmarried and not more than 25 years of age.

Kwama Scholarships. Kwama, sophomore women's honor society, awards one or more \$75 scholarships each year to women students on the basis of ability and need.

Ion Lewis Scholarship in Architecture. This traveling scholarship is awarded, whenever sufficient funds are available, to advanced students in architecture at the University of Oregon. Scholarships vary in amount from \$200 to \$1,000. Award is made on the basis of character, ability, promise, and need of travel. The scholarship is supported by a trust fund established by the late Ion Lewis of Portland.

Kenneth A. J. Mackenzie Memorial Scholarships. Five \$200 scholarships are awarded annually for the study of medicine, in accordance with the following plan: one \$200 scholarship is awarded each year to the outstanding premedical student at the University of Oregon in the last year of his premedical studies; if the student enters the University of Oregon Medical School and continues to maintain a high scholastic record, the scholarship is renewable for each of his four years of medical training; if the student does not maintain a high scholastic record at the Medical School, his scholarship is transferred to the outstanding member of his Medical School class who took his premedical work at the University of Oregon. The scholarships are a memorial to Dr. Kenneth A. J. Mackenzie, former dean of the Medical School; they are endowed through a bequest from the late Mildred Anna Williams.

Mortar Board Scholarships. Mortar Board, senior women's honor society, awards one or more \$75 scholarships each year to worthy women students.

Mu Phi Epsilon Scholarships. These scholarships, covering applied-music fees, are awarded by the members of the Eugene Alumnae Club of Mu Phi Epsilon to active members of Nu chapter of Mu Phi Epsilon.

Oregon Mothers Scholarship. The Oregon Mothers organization awards three \$300 scholarships annually to freshman students graduating from Oregon high schools: the Petronella G. Peets Scholarship, the Louise H. Cook Scholarship, and the Burt Brown Barker Scholarship. Ten or more additional awards of from \$50 to \$150 are made as funds are available. High-school students may apply for Oregon Mothers Scholarships during their senior year or during the two years following their graduation.

Orides Mothers-Janet Smith Scholarship. Two fee scholarships are awarded each year to senior Orides girls. Funds for the scholarships are given by the Orides Mothers Club and friends of the late Janet Smith.

Panhellenic Scholarship. The University of Oregon Panhellenic Association awards annually one or more \$75 scholarships to women students. The awards are made on the basis of need, scholastic record, and service in campus activities.

Ellen M. Pennell Scholarships. These scholarships, covering regular tuition and fees, are awarded annually to students in the School of Architecture and Allied Arts. They are endowed through a bequest from Mrs. Ellen M. Pennell, for many years a member of the University Library staff.

Phi Beta Scholarships. These scholarships, covering applied-music fees, are awarded by Phi Beta, women's national professional fraternity for music and drama, to women students in the School of Music, on the basis of talent, scholarship, and worthiness.

Phi Gamma Delta Scholarship. The Phi Gamma Delta scholarship, a memorial to Robert C. Jones, is a \$150 award given annually to an upper-division student who is outstanding in scholarship, leadership, and prospects for future service. Mr. Jones, a graduate of the University in the Class of '43, was killed on December 26, 1944 in the Battle of the Bulge. The scholarship has been endowed by Mrs. Eleanor Jones Mumm and Mr. and Mrs. Frank C. Jones.

Phi Theta Upsilon Scholarship. Phi Theta Upsilon, junior women's honorary, awards one or more \$75 scholarships each year to women students.

Arthur P. Pratt Scholarship. This scholarship, at present approximately \$400, is awarded biennially to a graduating senior of the University of Oregon, as

an aid to postgraduate study at the University. In choosing a Pratt scholar, a faculty committee gives consideration to scholastic record, character, good citizenship, and promise as a graduate student. The scholarship is endowed through a gift from John G. Foster of Eugene, and is named in honor of Arthur P. Pratt of Los Angeles, California.

Quota International Scholarships. The Eugene chapter of Quota International awards a scholarship, covering a year's fees and tuition, to a junior woman. The club also awards partial scholarships as funds are available.

F. G. G. Schmidt Fellowship in German. This \$250 fellowship, supported by a gift from the late Dr. F. G. G. Schmidt, a member of the University faculty from 1897 until his death in 1945, is awarded biennially to a worthy graduate student majoring in German. (No award will be made in 1951-52.)

Hazel P. Schwering Memorial Scholarship. A \$300 scholarship, named in honor of the late Mrs. Hazel P. Schwering, is awarded annually to an outstanding junior woman. Funds for the scholarship are raised by the Heads of Houses and by a committee of friends of the University.

Janet Smith Memorial Coop Scholarship. A \$75 scholarship is awarded annually to a member of one of the women's cooperative houses on the University campus. The scholarship is named in memory of Miss Janet Smith, University employment secretary from 1933 until her death in 1945, and adviser to the women's cooperatives.

Orin Fletcher Stafford Scholarship in Chemistry. A \$1,000 scholarship is awarded annually to a student beginning upper-division work with a major in chemistry. Of the total award, \$400 is paid during the junior year and \$600 during the senior year. Qualifications include: a superior scholastic record and aptitude for advanced work in chemistry, good character, and need for financial aid. To be eligible for the award, the student must also have attended the University of Oregon for at least one year. If a junior holder of the scholarship fails to maintain a high scholastic record or is otherwise disqualified, the senior award may be canceled and granted to another senior student. The scholarship is financed through gifts from an anonymous donor. It is named in memory of the late Orin Fletcher Stafford, a member of the faculty of the Department of Chemistry from 1902 until his death in 1941.

Standard Oil Company of California Scholarships. The Standard Oil Company of California provides funds for four \$500 scholarships, awarded annually on the basis of scholarship and leadership. A scholarship is awarded to a member of each of the four undergraduate classes.

C. P. Tillman Scholarship. The C. P. Tillman Scholarship, about \$100, is awarded biennially to a University student on the basis of ability and financial need. The scholarship is supported by an endowment bequeathed to the University by the late C. P. Tillman of Eugene.

Zimmerman Scholarship. The Joseph P. and Eva Zimmerman Scholarship is a \$500 award given annually to a senior or graduate student. The scholarship is supported through a bequest from the late Miss Lois Zimmerman, graduate of the University in the Class of '28, and is named in memory of her father and mother.

Zonta Scholarship. The Eugene chapter of Zonta awards a \$150 scholarship to a junior woman student.

Prizes and Awards

DISTINCTION in scholarship is recognized at the University through degrees with honors, through election to the various honor societies, and through prizes and awards. A statement of the requirements for degrees with honors and a list of honor societies will be found elsewhere in this Catalog. There are also essay and oratorical prizes, and awards for proficiency in special fields and for all-round distinction in student life.

American Jurisprudence Prizes. The Lawyers Cooperative Publishing Company and the Bancroft-Whitney Company award annually separately bound topics from *American Jurisprudence* to those students having the best scholastic records in the several courses covering the topics included in *American Jurisprudence*.

American Law Book Prizes. The American Law Book Company offers each year separately bound topics from *Corpus Juris Secundum* to those law students who have the best scholastic records in the several courses covering the topics included in the volumes of *Corpus Juris Secundum* published to date.

Bancroft-Whitney Prize. The Bancroft-Whitney Company, law publishers, awards annually a legal publication to the senior law student who has maintained the highest grade average throughout his work in the School of Law.

Philo Sherman Bennett Prize. This prize of from \$25 to \$30, supported by a bequest from Philo Sherman Bennett of New Haven, Connecticut, is awarded for the best essay on the principles of free government.

Beta Gamma Sigma Award. To honor outstanding scholastic attainment, the name of the freshman major student in the School of Business Administration receiving the highest grade average each year is engraved on a permanent record plaque placed in the corridor of the Commerce Building by Beta Gamma Sigma, honorary business fraternity.

Botsford, Constantine, and Gardner Prizes. These prizes are awarded each year by the Botsford, Constantine, and Gardner Advertising Agency for the best solutions of an advertising problem submitted by students of advertising. First prize, \$40; second prize, \$25; third prize, \$10.

Bureau of National Affairs Prize. The Bureau of National Affairs will award a year's subscription to the *United States Law Week* to the member of the 1952 graduating class of the School of Law who, in the judgment of the faculty, makes the most satisfactory scholastic progress during his final year in the school.

Julia Burgess Poetry Prize. The Julia Burgess Poetry Prize of \$25 is awarded annually for the best original poem submitted by a junior or senior student. Information concerning the rules governing the award may be obtained from the head of the Department of English. The prize is endowed through a bequest from the late Julia Burgess, member of the faculty of the University from 1907 until her death in 1942.

Nathan Burkan Memorial Prizes. The American Society of Composers, Authors, and Publishers awards a \$150 first prize and a \$50 second prize for the best papers submitted by students in the graduating class of the School of Law on the subject of copyright law.

Chi Omega Prize. A prize of \$25 is awarded by Chi Omega sorority to the woman student in the Department of Sociology deemed most worthy on the basis of scholarship, character, and promise.

DeCou Prize in Mathematics. A prize of \$25 is awarded annually to a junior or senior student for excellence in the field of mathematics. The prize is named in memory of Edgar E. DeCou, a member of the faculty of the Department of Mathematics from 1902 until his death in 1947.

Delta Phi Alpha Award. A volume of German literature is awarded each year by Delta Phi Alpha, German honorary society, to the outstanding student in German literature.

Failing-Beekman Prizes. These prizes are awarded annually to members of the senior class who deliver the best original orations at the time of graduation. The first prize of \$150 is the gift of Henry Failing of Portland; the second prize of \$100 is the gift of C. C. Beekman of Jacksonville.

Joseph R. Gerber Advertising Award. A \$150 prize is awarded annually for the best essay in the field of advertising and marketing submitted by a student of advertising. The award is made by the Joseph R. Gerber Advertising Company of Portland.

Gerlinger Cup. This cup, presented by Mrs. George Gerlinger, former regent of the University, is awarded by a committee of faculty, town, and student women to the best all-round woman of the junior class.

Josephine Evans Harpham Cup. The Josephine Evans Harpham Silver Cup is awarded annually to the student living organization which is judged to have stimulated among its members the greatest interest in the house-library program; this program is sponsored by the University Library as a means of encouraging more and better reading by students. The cup is the gift of Mrs. Everett H. Harpham and the Harpham family.

Maurice Harold Hunter Leadership Award. The Maurice Harold Hunter Leadership Award is presented annually to the junior man who is judged to have made, in the College of Liberal Arts, the most notable contribution, through his own achievements and good example, toward the development of qualities of leadership among his fellow students. The names of the recipients are engraved on a permanent plaque, which is displayed in the Browsing Room in the Student Union. The award may be accompanied by a fee scholarship. The award and the scholarship are supported through gifts to the University by Honorary Chancellor and Mrs. Frederick Maurice Hunter and Dr. and Mrs. Arthur Francis Hunter, and are made in honor of their son and brother, Captain Maurice Harold Hunter, graduate in the Class of '41. Captain Hunter was killed in action in Burma on January 31, 1945.

Interfraternity Council Scholarship Cups. The Interfraternity Council awards annually two cups: one, presented by W. A. Dahlberg, associate professor of speech, to the fraternity whose members have earned the highest grade-point average during the preceding year; and one, presented by Karl W. Onthank, associate director of student affairs, to the fraternity pledge class earning the highest grade-point average during the fall term.

Jewett Prizes. These prizes, amounting to more than \$200, are awarded annually in a series of public-speaking contests. Funds for the prizes were given to the University in memory of the late W. F. Jewett by his wife, Mrs. Mary Jewett.

Koyl Cup. This cup, the gift of Charles W. Koyl, '11, is awarded each year to the man who, in the opinion of a committee of the faculty, is the best all-round man of the junior class.

Lawyers Cooperative Prizes. The Lawyers Cooperative Publishing Company awards annually a copy of Ballantine's *Law Dictionary* to the law student doing the best work in the course in Legal Bibliography.

Library Day Prizes. The Coop Book Store and the Association of Patrons and Friends of the University of Oregon Library award prizes on Library Day each spring for the best personal libraries of University students.

Life Insurance Prizes. The Life Insurance Managers' Association of Oregon offers annual prizes totaling \$35 for the best insurance sales talks given by students in the life-insurance class. The student giving the best talk receives an individual plaque, and has his name engraved on a plaque displayed in the Commerce Building.

Men's Dormitory Scholarship Cup. This cup, presented by Mrs. Genevieve Turnipseed, director of dormitories, is awarded annually to the men's hall having the highest scholastic average for the year.

Oregon State Society of Certified Public Accountants' Prize. This award, consisting of accounting books to the value of \$25, is made each year to the outstanding student in accounting.

Phi Beta Kappa Prize. This prize, consisting of books to the value of \$25, is offered annually by the Alpha of Oregon chapter of Phi Beta Kappa. The award is made, on the basis of scholarship, to a student completing lower-division work. The books are chosen by the student in consultation with a committee of the chapter.

Phi Chi Theta Key. The Phi Chi Theta Key is awarded annually, on the basis of high scholastic standing and student activities, to a woman in the junior or senior class of the School of Business Administration.

Physical-Education Honor Awards. The faculty of the School of Health and Physical Education presents certificates each year in recognition of outstanding qualities of sound scholarship, high idealism, and professional accomplishment in the field of physical education.

Pi Delta Phi Award. Pi Delta Phi, French honorary society, presents a book prize each year to the student who has made the greatest progress in undergraduate courses in French.

Portland Shipping Club Award. The Portland Shipping Club presents a \$50 annual award to the senior student in foreign trade who receives the highest rating from the University of Oregon Foreign Trade Advisory Board.

George Rebec Prize in Philosophy. A prize of \$25 is awarded annually to the undergraduate student who submits the best essay on a philosophical topic. The prize is named in honor of Dr. George Rebec, member of the faculty of the University from 1912 until his death in 1944.

Rotana Award. The Portland Rotana Club presents an annual award of \$25 to the most worthy junior woman major in business administration.

Sigma Delta Chi Scholarship Award. Recognition for exceptional scholarship is awarded annually to journalism senior majors by Sigma Delta Chi, professional journalistic fraternity, through its national headquarters at Chicago.

Sigma Delta Pi Award. A medal and a book prize are awarded each year by the Oregon chapter of Sigma Delta Pi, Spanish honorary society, to the student in advanced courses in Spanish who makes the greatest progress during the school year.

Sigma Xi Graduate Research Prize. A prize of \$25 is awarded annually by the Oregon chapter of Sigma Xi to a graduate student, working in one of the fields from which Sigma Xi selects its members, for the most outstanding piece of research.

T. Neil Taylor Awards in Journalism. Awards totaling \$100 are given annually for the best research papers by senior and graduate majors in journalism. Funds for the awards are provided by T. Neil Taylor of Oakland, California, University graduate in the Class of '31.

Turnbull-Hall Award. Each year the name of the outstanding senior student member of the staff of the OREGON DAILY EMERALD is engraved on a plaque which hangs in the EMERALD news room. The plaque was presented in 1931 by George Turnbull and Vinton H. Hall.

Carolyn Benson Unander Memorial Prize. The Carolyn Benson Unander Memorial Prize of \$25 is awarded annually to a woman student completing her junior year with a major in the social sciences; the award is paid at the time of the recipient's registration as a senior in the University. The prize is financed through gifts from the Gamma Phi Beta alumnae.

Van de Velde Language Awards. Two book prizes are awarded annually to students who have made the greatest progress during the year in courses in French and Spanish. The prizes are supported through funds given to the University by Mr. and Mrs. Paul Van de Velde of Waldport, Oregon.

Vice-Presidential Cups. Silver cups, the gift of Dr. Burt Brown Barker, vice-president emeritus of the University, are awarded annually to the men's and women's living organizations achieving the highest average in scholarship among the living groups during the academic year.

John Watson Vogan Spanish Essay Prize. A prize of \$25 is awarded annually to the student presenting the best essay written in the Spanish language. The prize is supported by an endowment presented to the University by Mrs. Grace Dawson Vogan as a memorial to her husband, the late John Watson Vogan.

Women's Dormitory Scholarship Cup. This cup, presented by Mrs. Genevieve Turnipseed, director of dormitories, is awarded annually to the women's hall having the highest scholastic average for the year.

Erb Memorial Student Union

THE CENTER of student life, recreation, and extracurricular activities at the University of Oregon is the Erb Memorial Student Union, a new building of modern design, completed in the fall of 1950. The facilities of the Student Union, one of the largest structures on the campus, include: a cafeteria

and soda bar, and dining rooms for group lunches and dinners; a spacious ball-room which serves also as a banquet room and a hall for concerts, lectures, and motion pictures; a game section with bowling alleys, billiard tables, and ping pong tables; an art gallery, a library for recreational reading, two music rooms, and a piano practice room; offices and meeting rooms for student organizations; a barber shop and a branch postoffice.

The Erb Memorial Union was erected and furnished at a total cost of about \$2,100,000. It was financed solely through gifts from alumni and friends of the University, student building fees, and sale of bonds to be retired from future building fees and the income from student activities.

The building is named in memory of Dr. Donald M. Erb, president of the University from 1938 until his death in 1943.

Extracurricular Activities

THE UNIVERSITY recognizes the values of extracurricular student activities as a part of a college education: formation of habits of civic responsibility and leadership through self-government and through student clubs and societies; the broadening of outlook and sympathies through varied human associations; and cultural development through participation in the intellectual and aesthetic life of the campus.

Regulations Governing Activities Participation. The following regulations govern eligibility for participation in student extracurricular activities:

(1) A student who has been suspended or expelled from the University, or who has been disqualified for enrollment because of poor scholarship, is denied all privileges of the institution, and of all organizations in any way connected with it; he is not permitted to attend any social gathering of students, or to reside in any fraternity, sorority, club house, or dormitory.

(2) No student may accept an elective or appointive office in any extracurricular or organization activity until he has obtained a certificate of eligibility from the Office of Student Affairs. A student is automatically removed from any such office when he becomes ineligible for this certificate. For eligibility, a student:

(a) Must be currently enrolled as a regular student in good standing, carrying at least 12 term hours of work (a lighter load is permitted seniors if their graduation will not be delayed).

(b) Must have completed at least 12 term hours of work with at least a 2.00 GPA during his last previous term in the University. (Incompletes may be counted as a part of these 12 hours, but only to establish eligibility during the term immediately following the term for which the INC was reported.)

(c) Must have a cumulative grade-point average of at least 2.00.

(d) Must have attained upper-division standing if he has been in residence for six terms or the equivalent.

(3) The rules of the Pacific Coast Intercollegiate Athletic Conference govern in all questions of athletic eligibility.

Associated Students. The students of the University are organized for self-government into the Associated Students of the University of Oregon.

The Senate, composed of 27 members elected from the student body and two faculty members, is the central governing body of the A.S.U.O. Members of the Senate and students appointed by it have places on University committees dealing with all phases of student activities, from the Student Union Board to the Discipline Committee.

The program of the Erb Memorial Student Union is governed by a Student Union Board appointed by the President of the University. The Board has seventeen members, of whom fourteen are voting members. Of the voting members, twelve are students and two members of the faculty.

The Associated Women Students, a group within the general student organization, sponsors and supervises activities of women students.

Each entering class forms an organization which retains its identity throughout its four years at the University and after graduation. Class reunions are held regularly by alumni. Graduating classes usually leave a gift to the University.

Club and Societies. A wide variety of student clubs and societies are active on the University campus; many are chapters of national organizations. Some of these clubs and societies are listed below:

Allied Arts League	Order of the "O" (varsity athletics, men)
Alpha Delta Sigma (advertising, men)	Oregon Yeomen (independent men)
Alpha Kappa Delta (sociology honorary)	Orides (independent women)
Alpha Phi Omega (service honorary, men)	Phi Alpha Delta (law, men)
Amphibians (swimming, women)	Phi Beta (music and drama, women)
Anthropology Club	Phi Beta Kappa (liberal arts honorary)
Asklepiads (premedics)	Phi Chi Theta (business, women)
Beta Alpha Psi (accounting, men)	Phi Delta Kappa (education, men)
Beta Gamma Sigma (business honorary)	Phi Delta Phi (law, men)
Canterbury Club (Episcopal)	Phi Epsilon Kappa (physical-education honorary)
Chemical Society	Phi Eta Sigma (freshman honorary)
Chess Club	Phi Iota Phi (house librarians)
Condon Club (geology)	Phi Mu Alpha Sinfonia (music, men)
Cosmopolitan Club (foreign students)	Phi Theta Upsilon (junior women's honorary)
Daly Club (Daly scholars)	Pi Delta Phi (French)
Dames (wives of students)	Pi Lambda Theta (education, women)
Delta Nu Alpha (transportation)	Pi Mu Epsilon (mathematics)
Delta Phi Alpha (German)	Pi Sigma Alpha (political science)
Delta Sigma Rho (forensics honorary)	Physical Education Club (women)
Delta Theta Phi (law, men)	Plymouth Club (Congregational)
Deseret Club (Mormon)	Propellor Club (foreign trade)
Druids (junior men's honorary)	Russian Club
Eta Mu Pi (merchandising)	Scabbard and Blade (military)
Friars (senior men's honorary)	Sigma Delta Chi (journalism, men)
Gamma Alpha Chi (advertising, women)	Sigma Delta Pi (Spanish)
Gamma Delta (Lutheran)	Sigma Delta Psi (athletic honorary)
Hui-o-kamaaina (students from Hawaii)	Sigma Upsilon (writing, men)
Independent Students Association	Sigma Xi (science honorary)
International Relations Club	Skull and Dagger (sophomore men's honorary)
Inter-Varsity Christian Fellowship	Theta Sigma Phi (journalism, women)
Kappa Rho Omicron (radio)	University Religious Council
Kwama (sophomore women's honorary)	Wesley Foundation (Methodist)
Law School Student Body Association	Westminster Association (Presbyterian)
Mortar Board (senior women's honorary)	Women's Athletic Association
Mu Phi Epsilon (music, women)	Young Men's Christian Association
National Collegiate Players (drama)	Young Women's Christian Association
Newman Club (Catholic)	
Orchesis (dance, women)	
Order of the Coif (law honorary)	

Lectures. The regular University curriculum is supplemented by University assemblies at which visiting speakers address the general student body, and by frequent public lectures by faculty members and visiting scholars. Special lectures are sponsored by the University Lectures Committee of the faculty, and by various schools and departments.

Forensics, Dramatics, and Radio. Forensics, drama, and radio are fostered on the campus not only for their value to those participating but also for their intellectual and cultural value for the whole University community.

The Associated Students, in cooperation with the Department of Speech, sponsor a varied speech-activities program providing opportunity for both men and women to participate in debate, oratory, and extempore speaking and in a state-wide discussion program on current topics of vital interests to the people of Oregon.

The University Theater, utilizing the facilities of four producing areas, provides opportunities for artistic expression in all types of theater activity. Occasionally, plays are taken on tour.

Experience in radio broadcasting is provided through participation in the operation of the University's own FM station, KWAX, and through assistance with programs broadcast directly from the University studios over KOAC, the state-owned station in Corvallis, and over four local radio stations in Eugene.

Art and Music. The University gives special encouragement to extracurricular activities in art and music. Concerts and recitals, sponsored by the School of Music, the Associated Students, and the several student musical organizations, play a central part in the cultural life of the University community. The Allied Arts League and the School of Architecture and Allied Arts present frequent exhibits of student art work and loan collections.

The University Symphony Orchestra, an organization of about seventy student musicians, presents several concerts each year. In addition to its own concert series, the orchestra supports faculty and advanced student soloists, and cooperates with choral organizations in oratorio productions. Any University student is eligible to try out for the orchestra.

The University Choral Union includes in its membership more than 400 students, faculty members, and townspeople who are interested in the study and interpretation of great choral literature.

The University Band is divided into four groups: the Concert Band, first and second divisions; the Pep Band; and the Military Band. The Concert Band gives several concerts of classical and modern music each year. The Pep Band plays for athletic contests and rallies. The Military Band, composed of freshman and sophomore military students, plays for all R.O.T.C. ceremonies and reviews.

The Associated Students bring artists of international fame to the campus each year for concerts, to which all students have free admission. Free public recitals by members of the faculty of the School of Music and by advanced music students are given in the Music Auditorium during the school year.

Athletics and Sports. The University of Oregon is a member of the Pacific Coast Athletic Conference, composed of nine leading universities and colleges of the region. In addition to intercollegiate athletics, a comprehensive program of intramural sports is sponsored by the institution through the School of Health and Physical Education. The sports program is closely correlated with instruction in physical education.

Student Publications. University of Oregon student publications are listed below. The official publications of the University are listed on another page.

THE OREGON DAILY EMERALD is a tabloid-size newspaper, published five days a week during the school year. It is edited, managed, and financed by students. All students are eligible for positions on its staff. Payment of registration fees entitles every student to a subscription to the EMERALD.

THE OREGANA, the yearbook of the Associated Students, presents a pictorial record of student life. It is edited, managed, and financed by students. All students are eligible for positions on its staff. The volume is published in May during Junior Week End.

THE ORE-NTER, a handbook for entering new students, is published annually by the Associated Students and the Office of Student Affairs.

THE STUDENT AND FACULTY DIRECTORY is compiled and published about November 1 of each school year by the Associated Students.

Alumni Association

MEMBERSHIP in the University of Oregon Alumni Association is open to all persons who have completed work for credit at the University. Semi-annual meetings are held at Homecoming and at Commencement. The Alumni Association publishes a bi-monthly magazine, OLD OREGON. In it are recorded the activities of the association, news of the University, and special articles by students, faculty members, and graduates. The officers and directors of the association are as follows:

OFFICERS

HERBERT J. DARBY, '23.....President
WILLIAM N. RUSSELL, '35.....Vice-President
LESTER E. ANDERSON, '43.....Secretary-Treasurer

EXECUTIVE COMMITTEE

HERBERT J. DARBY, '23; LESTER E. ANDERSON, '43; ROBERT S. MILLER, '35, immediate past president. Members-at-large: HARRY A. D. SMITH, '21; CHARLES R. HOLLOWAY, JR., '35; ORVAL N. THOMPSON, '35.

DIRECTORS

Term ending June 30, 1951	Term ending June 30, 1952	Term ending June 30, 1953
EDWIN DICK, '40	DOUGAS MULLARKEY, '20	E. S. WILSON, '43
HOLLIS JOHNSTON, '21	DAVID BROWNING, '43	FRANK C. MCKINNEY, '42
JOHN KITZMILLER, '31	JOSEPHINE R. JOHNSON, '29	JOE F. WALKER, '42
COLLIS P. MOORE, '25	RICHARD PROEBSTEL, '36	DALE F. MCKENZIE, '43
JOHN HATHAWAY, '44	OTTO VONDERHEIT, '34	WALTER DURGAN, '28
GEORGE COREY, '38	LAWRENCE HULL, '23	ROBERT S. LOVELL, '42
RAYMOND O. WILLIAMS, '12	RALPH CRONISE, '11	GEORGE HUGGINS, '16
ASA EGGLESON, '22	EARL BLACKABY, '15	VERNON F. HANSCAM, '38
PAUL PATTERSON, '23	REYNOLDS ALLEN, '35	GEORGE LUOMA, '41
RUSS HUDSON, '43	BOYD OVERHULSE, '33	ELBERT H. NIELSEN, '36
HOWARD S. ZACHARY, '25	WILLIAM A. BARKER, '36	ROBERT STRANIX, '35
RAND E. POTTS, '44	WILLIAM J. MOSHOFSKY, '47	ORVAL D. YOKUM, '27

The University of Oregon Medical School and the University of Oregon Dental School have their own active alumni associations. The Medical School Alumni Association includes in its membership graduates of the Willamette University department of medicine, which was merged with the Medical School in 1913. The Dental School Alumni Association includes in its membership graduates of the North Pacific College of Oregon, which was incorporated into the University in 1945. Officers of these two associations are listed in the separate catalogs of the two schools.

College of Liberal Arts

ELDON L. JOHNSON, Ph.D., Dean of the College of Liberal Arts.

*ROBERT D. CLARK, Ph.D., Assistant to the Dean.

CARLISLE MOORE, Ph.D., Assistant to the Dean.

MARCELLA B. KING, B.A., Secretary to the Dean.

THE College of Liberal Arts represents the ancient and continuing effort of men to extend the range of their experience beyond the narrow limits of the time and place in which they find themselves at birth. To achieve and enjoy such a freedom, men must know all they can about themselves and their environment, both physical and social. The liberal arts are a group of studies designed to assist and direct the exploration of man's nature and his position in the world.

By the help of some of these studies, we are able to compare our own experiences with those of men in other times, places, and circumstances, and thus share in the inherited wisdom and satisfactions of mankind. Through others, we deepen and extend our knowledge of our physical environment. Knowledge—scientific, historical, and literary—is the indispensable condition of the good life of free men.

From the founding of the University of Oregon, the liberal arts have been the central core of the educational program of the institution. In the earliest University Catalogs, the several "courses" of liberal-arts instruction were rather loosely grouped under the "Collegiate Department," distinguished at first only from the "English Preparatory Department" but later also from the professional schools. In the Catalogs of the 1890s, the term "College of Letters" occurs, but only as a heading in lists of students and graduates.

As a part of the first formal organization plan for the University, inaugurated by President Strong, the College of Literature, Science and the Arts was established in 1899. The University continued to administer its liberal-arts program through this college until the reorganization of the Oregon State System of Higher Education in 1932.

Under the original State System plan, a College of Arts and Letters and a College of Social Science were organized at the University, and major work in the physical and biological sciences was allocated to the School of Science at Oregon State College. The University continued to offer nonmajor service courses in science through the Lower Division and Service Departments.

In the fall of 1942, major work in science was re-established at the University, and the separate liberal-arts divisions were merged into the College of Liberal Arts.

The instructional departments included in the college are: Anthropology, Biology, Chemistry, Economics, English, Foreign Languages, Geography and Geology, History, Home Economics, Mathematics, Philosophy, Physics, Political Science, Psychology, Religion, Sociology, and Speech. All the departments, except the departments of Home Economics and Religion, offer major curricula leading to baccalaureate and graduate degrees.

The University of Oregon Bureau of Municipal Research and Service is administered as a department of the College of Liberal Arts (see page 168).

* On sabbatical leave 1950-51.

Entrance Requirements. There are no entrance requirements, beyond the general entrance requirements of the University, for students intending to choose a major within the College of Liberal Arts.

Students intending to major in any of the natural sciences are, however, advised to present at least two units of high-school mathematics and two units of high-school science. Experience has proved that students who lack this preparation are handicapped in University work in science. Students planning to major in chemistry, mathematics, or physics or planning to prepare themselves for entrance to a medical school will find it to their advantage to take intermediate algebra, plane geometry, and trigonometry in high school.

Degree Requirements. The general requirements for a bachelor's degree with a major in the College of Liberal Arts are—a minimum of 136 term hours of University work including:

- (1) A minimum of 36 term hours in lower-division liberal-arts courses approved for satisfaction of the group requirement (see below).
- (2) A minimum of 62 term hours in upper-division courses.
- (3) A minimum of 36 term hours in the student's major field, at least 24 of which must be in upper-division courses. In some fields, more than the 36-hour minimum are required to meet departmental standards. For certain interdepartmental majors (described below under SPECIAL CURRICULA), the major requirement is approximately 72 term hours of work distributed in several departments.

A more detailed statement of University requirements for the bachelor's degree may be found on pages 57-58. Special requirements of the several major curricula of the college are stated in the departmental sections and under SPECIAL CURRICULA below. For requirements for advanced degrees, see GRADUATE SCHOOL.

Group Requirement

THE lower-division requirements for a bachelor's degree from the University of Oregon includes a prescribed amount of work in the College of Liberal Arts, selected from three "groups" representing comprehensive fields of knowledge. The three groups are language and literature, social science, and sciences. Courses within these fields which satisfy the group requirement are numbered from 100 to 110 and from 200 to 210. All students are required to complete a year sequence in each of the three groups and an additional year sequence in any one of the three groups; one of the four must be a sequence numbered 200-210.

The courses approved for satisfaction of the group requirement are listed below:

LANGUAGE AND LITERATURE GROUP

English

Survey of Eng. Lit. (Eng 101, 102, 103)
Apprec. of Lit. (Eng 104, 105, 106)
Intro. to Literature (Eng 107, 108, 109)
Shakespeare (Eng 201, 202, 203)

Foreign Languages

Latin Lit.: Aug. Age (CL 204, 205, 206)
Survey of German Lit. (GL 201, 202, 203)
Survey of French Lit. (RL 201, 202, 203)
Survey of Spanish Lit. (RL 207, 208, 209)

SOCIAL-SCIENCE GROUP

General Social Science

- Background of Soc. Sci. (SSc 101, 102, 103)
Background of Soc. Sci. (SSc 104, 105)

Anthropology

- Gen. Anthropology (Anth 101, 102, 103)
Intro. to Cult. Anth. (Anth 207, 208, 209)

Economics

- Princ. of Econ. (Ec 201, 202, 203)
Princ. of Econ. (Ec 204, 205)

Geography

- Intro. Geography (Geog 105, 106, 107)
Regional Ec. Geog. (Geog 201, 202, 203)

History

- Hist. of West. Civ. (Hst 101, 102, 103)
Hist. of U. S. (Hst 201, 202, 203)
English History (Hst 207, 208, 209)

Philosophy

- Elementary Logic (Phl 201)
Problems of Philosophy (Phl 202)
Elementary Ethics (Phl 203)
Elementary Aesthetics (Phl 204)

Political Science

- American Govts. (PS 201, 202, 203)
European Govts. (PS 204)
International Relations (PS 205)

Psychology

- Gen. Psychology (Psy 201, 202)
Psych. of Adjustment (Psy 204)
Applied Psych. (Psy 205)

Religion

- Religious Foundation of West. Civilization
(R 201, 202, 203)

Sociology

- Gen. Sociology (Soc 204, 205, 206)

SCIENCE GROUP

General Science

- Biological-Sci. Survey (GS 101, 102, 103)
Physical-Sci. Survey (GS 104, 105, 106)

Biology

- Gen. Zoology (Bi 201, 202, 203)
Gen. Botany (Bi 204, 205, 206)

Chemistry

- Elementary Chem. (Ch 101, 102, 103)
General Chem. (Ch 201, 202, 203)
Analytical and Theoretical Chem. (Ch 204, 205, 206)

Geology

- Gen. Geology (Geol 101, 102, 103)

Mathematics

- Intermediate Algebra (Mth 100)

Mathematics (continued)

- Elem. Analysis (Mth 101, 102, 103)
College Algebra (Mth 105)
Plane Trigonometry (Mth 106)
Math. of Finance (Mth 108)
Analytical Geometry (Mth 200)
Diff. & Int. Calculus (Mth 201, 202, 203)

Physics

- Essentials of Physics (Ph 101, 102, 103)
General Physics (Ph 202, 202, 203)
Elementary Meteorology (Ph 207)
Descriptive Astronomy (Ph 208, 209)

Psychology

- *General Psychology (Psy 201, 202)
*Psych. of Adjustment (Psy 204)
*Applied Psychology (Psy 205)
*Gen. Psych. Lab. (Psy 208, 209, 210)

Special Curricula

IN ADDITION to the major curricula offered by the departments of the College of Liberal Arts, the college has arranged several programs of study utilizing the course offerings of the departments of the college and other divisions of the University to provide broad cultural education (without departmental specialization) and programs providing the basic liberal-arts preparation required for admission to technical training for the professions.

Curriculum in Basic Liberal Studies

The curriculum in basic liberal studies, leading to the Bachelor of Arts degree, is designed to lay a substantial foundation for understanding literature, science, and history of civilization. It represents a departure from the free-elective system that has prevailed in American colleges and universities for many years. It should

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

be called a restricted elective program, since the greater part of a student's work must be selected from a restricted list of courses. The curriculum is open to any freshman whose scholastic-aptitude test or high-school record ranks him in the upper three deciles of his class.

The curriculum is administered by a committee, the members of which serve as the official advisers of all students following this program of study. Dr. Carlisle Moore of the Department of English is chairman of this committee.

Freshman and Sophomore Years

During his freshman and sophomore years, in addition to satisfying general University requirements in English composition*, physical education, health education, and military science, the student must complete satisfactorily the foreign-language requirement for the Bachelor of Arts degree. He must also complete five year sequences from the following list of courses in four fundamental fields of study. Any additional courses which the student may need to elect for the attainment of 93 term hours of credit by the end of his sophomore year must be selected from the courses approved for this curriculum.

Mathematics—one of the following sequences:

- Elementary Analysis (Mth 101, 102, 103)
Any three of the following: Intermediate Algebra (Mth 100), College Algebra (Mth 105), Plane Trigonometry (Mth 106), Analytical Geometry (Mth 200)

Literature—one of the following sequences:

- Latin Lit.: Aug. Age (CL 204, 205, 206)
Survey of German Lit. (GL 201, 202, 203)
Survey of French Lit. (RL 201, 202, 203)
Survey of Spanish Lit. (RL 207, 208, 209)
Survey of English Lit. (Eng 101, 102, 103)
Apprec. of Lit. (Eng 104, 105, 106)
Shakespeare (Eng 201, 202, 203)

Social Science—History of Western Civilization (Hst 101, 102, 103) and one of the following sequences:

- Gen Anthropology (Anth 101, 102, 103)
Principles of Econ. (Ec 201, 202, 203)
Intro. Geography (Geog 105, 106, 107)
American Govts. (PS 201, 202); American Govts. (PS 203) or European Govts. (PS 204)
General Psychology (Psy 201, 202), Applied Psych. (Psy 205), and General Psych. Lab. (Psy 208, 209, 210)
General Sociology (Soc 204, 205, 206)

Science—one of the following sequences:

- General Physics (Ph 201, 202, 203)
General Chemistry (Ch 201, 202, 203)
General Zoology (Bi 201, 202, 203 or
General Botany (Bi 204, 205, 206)

Junior and Senior Years

During his junior and senior years, the student is required to complete at least eight sequences from the following list of courses or from the courses listed above. At least two sequences must be chosen from the humanities, two from the social sciences, and two from the natural sciences. Not more than three sequences may be chosen from any one department.

Humanities

ART AND ARCHITECTURE

- Hist. of Arch. I (AA 337, 338, 339)
Hist. of Painting (AA 346, 347, 348)

CLASSICAL LANGUAGES

- First-Year Greek (CL 1, 2, 3)
Second-Year Greek (CL 314, 315, 316)
Greek Tragedy (CL 317, 318, 319)
Latin Literature (CL 341, 342, 343)

ENGLISH

- English Novel (Eng 320, 321, 322)
American Novel (Eng 391, 392, 393)
Romantic Poets (Eng 460, 461, 462)
Later 19th Century Poets (Eng 463, 464, 465)
18th Century Lit. (Eng 450, 451, 452)
English Drama (Eng 411, 412, 413)
17th Century Lit. (Eng 440, 441, 442)

* Any student registered in this curriculum who demonstrates his ability to write good English will be excused by the head of the Department of English from required work in English composition.

ENGLISH (continued)

- Lit. of Renaissance (Eng 430, 431, 432)
 19th Century Prose (Eng 470, 471, 472)
 Any three of the following: Chaucer (Eng 428), Spenser (Eng 434), Milton (Eng 444), Pope (Eng 455).

GERMANIC LANGUAGES

- Classical German Drama and Goethe's Faust (GL 411, 412, 413)

MUSIC

- Hist. of Music (Mus 360, 361, 362)
 Spec. Per. of Music Hist. (Mus 425, 426, 427)

ROMANCE LANGUAGES

- 17th Cent. French Lit. (RL 411, 412, 413)
 Dante & His Times (AL 477, 478, 479)

SPEECH

- Hist. of Oratory (Sp 421, 422, 423)

Social Science

ANTHROPOLOGY

- Primitive Thought (Anth 444, 445, 446)
 Beg. & Develop. of Civilizations (Anth 420, 421, 422)
 Problems of Race & Culture (Anth 411, 412, 413)

ECONOMICS

- Economic Theory (Ec 375, 376, 377)
 Labor Problems (Ec 425), Organized Labor (Ec 426), Labor Legislation (Ec 427)
 Hist. of Ec. Thought (Ec 470, 471, 472)

GEOGRAPHY

- Climatology (Geog 215), Geomorphology (Geog 316)
 Geog. of Pac. N.W. (Geog 323, 324, 325)

HISTORY

- English History (Hst 207, 208, 209)
 History of U. S. (Hst 201, 202, 203)
 Europe since 1815 (Hst 341, 342, 343)
 History of Greece (Hst 411), History of Rome (Hst 412, 413)
 Middle Ages (Hst 421, 422, 423)
 Renaissance (Hst 430, 431), Reformation (Hst 432)
 History of France (Hst 441, 442, 443)
 Constitutional Hist. of U. S. (Hst 483, 484, 485)

Science

BIOLOGY

- Evolution (Bi 315), Genetics (Bi 422), Genetics Lab. (Bi 443), Vertebrate Embryology (Bi 445)
 Intro. to Bacteriology (Bi 311), Human Physiology (Bi 312, 313)
 Any three of the following: Ferns & Mosses (Bi 332), Gymnosperms (Bi 333), Algae (454), Fungi (Bi 455), Higher Fungi (Bi 456), Invertebrate Zoology (Bi 462)

CHEMISTRY

- Analytical & Theoretical Chemistry (Ch 204, 205, 206)
 Organic Chemistry (Ch 430, 431, 432)

GEOLOGY

- General Geology (Geol 101, 102, 103)
 Intro. to Palaeontology (Geol 381, 382, 383)

Curriculum in General Arts and Letters

The curriculum in general arts and letters is designed for students who wish to build a program of general studies around a core of literature. The work of the

first two years serves as an introduction to the main aspects of Western culture. In the last two years the more intensive study of the history of ideas, of literary movements, and of art forms serves to interpret modern trends in civilization.

The major in general arts and letters leads to the Bachelor of Arts degree. The following courses are required:

Lower-Division

(1) Introduction to Literature (Eng 107, 108, 109), or Survey of English Literature (Eng 101, 102, 103), or Appreciation of Literature (Eng 104, 105, 106), or any sequence in foreign literature which has a prerequisite two years (or equivalent) of foreign language in college.

(2) Shakespeare (Eng 201, 202, 203).

(3) Two years of one foreign language.

(4) One of the following year sequences in history: History of Western Civilization (Hst 101, 102, 103); English History (Hst 207, 208, 209).

Upper-Division

(1) Dante and His Times (AL 477, 478, 479).

(2) Literature of the Ancient World (AL 311, 312, 313).

(3) One of the following sequences in philosophy: History of Philosophy (Phl 411, 412, 413); Philosophy and Literature (Phl 431, 432, 433); Development of Scientific Thought (Phl 451, 452, 453).

(4) History of Literary Criticism (Eng 414, 415, 416) or Aesthetics (Phl 441, 442, 443).

In addition the student must complete four upper-division sequences chosen from the major departments of the College of Liberal Arts; however, any of the following sequences may be elected for the satisfaction of this requirement: History of Music (Mus 360, 361, 362); Special Periods in Music History (Mus 425, 426, 427); History of Painting (AA 346, 347, 348).

The student's program of study should form an integrated whole. The electives in the main should support the objectives of this program.

Curriculum in General Science

The curriculum in general science is intended for students who wish to build a program of cultural studies around a central interest in science as an aspect of human civilization, and for prospective teachers in the secondary schools for whom a departmental science major may be too highly specialized.

The general-science major leads to the Bachelor of Arts or Bachelor of Science degree. The special requirements are—a minimum of 72 term hours in science (biology, chemistry, geology, mathematics, physics), distributed as follows:

(1) Four year sequences, numbered 100-110 or 200-210, one in each of four science departments.

(2) A minimum of 24 upper-division hours in science, including not less than 9 term hours in each of two science departments.

Curriculum in General Social Science

The curriculum in general social science is designed for students who wish broad cultural training, and for prospective teachers for whom a departmental

major may be too highly specialized. In addition to fulfilling the general University requirements, students following this program must take a minimum of 72 hours in social-science courses numbered 200 or above. This work must include four year sequences numbered 200-210, one in each of four of the following fields: anthropology, economics, geography, history, philosophy, political science, psychology, sociology. It must also include 36 upper-division hours in the social sciences, earned after attaining junior standing. The upper-division work must include two one-year sequences (not less than 18 hours) in one department, and one one-year sequence (not less than 9 hours) in each of two additional departments.

Curriculum in Far Eastern Studies

The curriculum in Far Eastern studies is a program of area training through groups of courses concerned with the Far East. The primary emphasis is on the Chinese culture sphere. The program is intended to provide necessary basic knowledge for students who are interested in commercial, governmental, journalistic, or educational work relating to the region, for students who are preparing for graduate work in Far Eastern studies, or for students who wish to broaden their understanding of the interrelated world in which they live. The curriculum is administered by a coordinator and an interdepartmental advisory committee.

The major in Far Eastern studies leads to the Bachelor of Arts or the Bachelor of Science degree. The requirements are as follows:

(1) Far East in Modern Times (Hst or PS 391, 392, 393); Geography of Asia (Geog 431); Peoples of Southern and Eastern Asia (Anth 438, 439, 440). These courses are required of all majors.

(2) Selections, with the approval of the student's adviser, from the following two groups of courses—for the B.S. degree, 24 term hours from group (a); for the B.A. degree, 39 term hours from both groups, of which not more than 24 term hours may be selected from group (b).

(a) Lecture-course group: Chinese and Japanese Classics in Translation (AL 317, 318, 319); Far Eastern Governments and Politics (PS 330, 331, 332); History of Oriental Art (AA 446, 447, 448); Civilizations of China and Japan (Hst 394, 395, 396); Economic Problems of the Pacific (Ec 345, 346, 347); Living Religions of the Orient (R 463); History of China (Hst 494, 495, 496); History of Japan (Hst 497, 498, 499).

(b) Language-course group: First-Year Japanese (OL 1, 2, 3); Second-Year Japanese (OL 4, 5, 6); First-Year Chinese (OL 21, 22, 23); Second-Year Chinese (OL 24, 25, 26).

Premedical Curriculum

A premedical curriculum, including courses prescribed by the American Medical Association for entrance to standard medical schools, is offered at the University. Students pursuing this curriculum work under the supervision of a special advisory committee, to insure a selection of studies which will satisfy medical-school entrance requirements and the cultural needs of students planning to enter the profession of medicine. The chairman of this committee is Dr. A. H. Kunz, head of the Department of Chemistry.

For entrance to a standard medical school, the student must not only com-

plete certain prescribed work but also show an aptitude for medical studies. The Medical College Admission Test is given each year to all students who expect to apply during the next academic year for admission to a medical school. Further knowledge of the student's ability is obtained through frequent conferences between the student and his instructors and authorized advisers.

The entrance requirements of the University of Oregon Medical School are as follows:

(1) High-School Preparation. The following high-school course, which meets all the formal requirements, is strongly recommended.

	Units		Units
English	4	Latin	2
Algebra	1½	History	1
Geometry	1	German or French	2
Physics	1	Electives	1½
Chemistry	1		
Total			15

Students entering college with less than the amount of work recommended in these fields (especially mathematics and science) may find it necessary to devote more than the minimum of three years to collegiate premedical preparation.

(2) Collegiate Preparation. The Medical School requires for admission at least three academic years of preparatory work (138 term hours, exclusive of credit in military science). The following work is prescribed:

	Term hours
Chemistry.....	23
General inorganic, which may include qualitative analysis.....	12
Quantitative analysis, emphasis on volumetric analysis.....	3
Organic	8
Biology	15
General biology or zoology.....	9
Selections from general embryology, vertebrate anatomy, or general physiology.....	6
Physics	12
Mathematics	6
English	9
Total prescribed credit	65

Foreign language is not specifically required for admission to the Medical School, but some knowledge of a major modern foreign language (German, French, Russian, Spanish) is highly recommended as a part of the cultural training of a physician. Students anticipating research in the medical sciences should obtain a basic knowledge of German and French. The premedical student should keep in mind that some medical schools require credit in foreign language for admission.

The work in organic chemistry must include the chemistry of both aliphatic and aromatic compounds. Biochemistry will not be accepted toward meeting the requirement. Students electing additional work are advised to take a course in elementary physical chemistry. At least 25 per cent of all chemistry must be for laboratory work.

Human anatomy is not accepted toward meeting the minimum requirements in biology. Students electing additional work are advised to take courses in embryology, vertebrate anatomy, histological technique, or general physiology.

The work in physics must include the divisions of mechanics, heat and sound, light and electricity. Students electing additional work are advised to take further courses in electricity or atomic physics.

The work in mathematics should be of standard college grade, and include subjects such as algebra, elementary analysis, or trigonometry. Students electing additional work in mathematics are advised to take calculus.

The premedical student is advised very strongly against taking any medical courses in his preparation for the study of medicine. Rather, he should devote his efforts to obtaining the best possible general cultural education and, in addition, a thorough training in the basic sciences of chemistry, physics, and biology.

Recommended Elective Subjects. The student preparing to study medicine is advised to plan a balance in elective courses between courses in liberal arts and courses, beyond the minimum requirements, in subjects prescribed for admission to the Medical School. Subjects suggested are: history, economics, sociology, psychology, English, public speaking, and foreign language.

The Medical School also requires that the student who enters without a Bachelor of Arts or a Bachelor of Science degree must complete the work for one of these degrees in the Oregon State System of Higher Education, or at the institution at which he received his premedical preparation, before entering upon the work of the third year at the Medical School. Under University regulations, a maximum of 48 term hours of work in medicine may be counted as credit earned in residence toward the bachelor's degree.

Before entering the Medical School, the student should satisfy all lower-division requirements and all other requirements for a degree (including University requirements and requirements for a major within the College of Liberal Arts) that cannot be satisfied at the Medical School. The courses taken during the first year of medical training, together with the science courses prescribed in the pre-medical curriculum, will satisfy major requirements in general science or biology. Students selecting other liberal-arts majors must satisfy all major requirements before entering the Medical School, except that Biochemistry (BCh 411, 412), offered at the Medical School, may be counted toward the satisfaction of the major requirement in chemistry.

The following premedical curriculum meets the requirements stated above. It provides a substantial foundation in the sciences basic to the study of medicine, together with opportunity for broad liberal education.

	First Year		
	Term hours		
	F	W	S
General Chemistry (Ch 201, 202, 203).....	5	5	5
General Zoology (Bi 201, 202, 203).....	4	4	4
*Mathematics	4	4	4
English Composition (Wr 111, 112, 113).....	3	3	3
Physical Education.....	1	1	1
Military Science	1	1	1
	18	18	18
	Second Year		
Analytical & Theoretical Chemistry (Ch 204).....	5	..	..
General Physics (Ph 201, 202, 203).....	4-5	4-5	4-5
Group requirement in literature.....	3	3	3
Group requirement in social science.....	3	3	3
Physical Education.....	1	1	1
Military (men).....	1	1	1
Electives .....	..	5	5
	17-18	17-18	17-18
	Third Year		
Vertebrate Embryology (Bi 445).....	..	..	4
Organic Chemistry (Ch 430, 431, 432).....	5	5	5
French or German.....	4	4	4
Electives	8-9	8-9	4-5
	17-18	17-18	17-18

Kenneth A. J. Mackenzie Memorial Scholarships. For information concerning these scholarships for premedical and medical students, see page 76.

* Students are registered in mathematics courses for which they have adequate preparation; as a basis for placement, high-school records are supplemented by a placement examination.

Predental Curricula

The Council on Dental Education of the American Dental Association has established the following minimum requirements for admission to approved dental schools: At least 90 term hours of collegiate courses, including one year of English, one year of general chemistry, one year of biology or zoology, one year of physics, and one-half year of organic chemistry; a grade-point average of at least 2.00.

The University offers a two-year and a three-year predental curriculum to prepare students for admission to the University of Oregon Dental School or other approved dental schools. Both of these curricula satisfy the requirements stated above. With proper choice of electives, students completing the three-year curriculum may qualify for a bachelor's degree after one or more years of dental-school work.

TWO-YEAR CURRICULUM

	First Year		
	Term hours		
	F	W	S
General Chemistry (Ch 201, 202, 203).....	5	5	5
General Zoology (Bi 201, 202, 203).....	4	4	4
*Mathematics	4	4	4
English Composition (Wr 111, 112, 113).....	3	3	3
Physical Education.....	1	1	1
Military Science.....	1	1	1
	18	18	18
	Second Year		
Organic Chemistry (Ch 226, 227).....	4	4	..
Analytical Chemistry (Ch 220).....	..	..	5
General Physics (Ph 201, 202, 203).....	4-5	4-5	4-5
Social Science.....	3	3	3
Literature	3	3	3
Physical Education.....	1	1	1
Military Science.....	1	1	1
	16-17	16-17	17-18

THREE-YEAR CURRICULUM

	First Year		
	Term hours		
	F	W	S
General Chemistry (Ch 201, 202, 203).....	5	5	5
*Mathematics	4	4	4
English Composition (Wr 111, 112, 113).....	3	3	3
Social Science or Literature.....	3	3	3
Physical Education.....	1	1	1
Military Science	1	1	1
	17	17	17
	Second Year		
Organic Chemistry (Ch 226, 227).....	4	4	..
Analytical Chemistry (Ch 220).....	..	..	5
General Zoology (Bi 201, 202, 203).....	4	4	4
Literature or Social Science.....	3	3	3
Physical Education	1	1	1
Military Science	1	1	1
Electives	3-5	3-5	3-4
	16-18	16-18	17-18
	Third Year		
General Physics (Ph 201, 202, 203).....	4-5	4-5	4-5
Advanced Biology	4	4	..
Electives—Sculpture (AA 293) and Jewelry (AA 257) recommended.....	8-9	8-9	9-12
	16-18	16-18	16-18

* See note (*), page 94.

Prenursing Curriculum

The Department of Nursing Education of the University of Oregon Medical School offers a four-year curriculum which leads to the Bachelor of Science degree and prepares for state examinations for nurse registration. The student takes five terms of pre-nursing work at the University of Oregon at Eugene or at Oregon State College at Corvallis, or at another accredited college or university. The pre-nursing curriculum is completed with one term of work on the campus of the Medical School, and is followed by ten terms of clinical instruction coordinated with practice in the hospitals and clinics of the Medical School.

Students in nursing education receive their degrees from the University of Oregon or from the institution at which they took their pre-nursing work.

	Term hours		
	F	W	S
First Year			
Elementary Chemistry (Ch 101, 102, 103).....	4	4	4
English Composition (Wr 111, 112, 113).....	3	3	3
English Literature	3	3	3
Backgrounds of Nursing (Nur 111).....	3	--	--
General Psychology (Phy 201, 202).....	--	3	3
Physical Education	1	1	1
Electives (not science).....	2	2	2
	16	16	16
Second Year			
At the University:			
General Zoology (Bi 201, 202).....	4	4	--
General Sociology (Soc 204, 205).....	3	3	--
Psychology of Adjustment (Psy 204).....	3	--	--
Principles of Dietetics (HEc 225).....	2	--	--
Foods (HEc 211).....	--	3	--
Physical Education	1	1	--
Electives (not science).....	4	6	--
At the Medical School:			
Anatomy (An 211).....	--	--	4
Bacteriology (Bac 211).....	--	--	4
Organic and Biochemistry (Ch 211).....	--	--	4
Orientation to Nursing Arts (Nur 211).....	--	--	4
	17	17	16

Preparatory Curriculum for Medical Technologists

The University offers a two-year curriculum which satisfies the standards of the Registry of Medical Technologists for admission to approved training schools for medical technologists. Dr. Arnold L. Soderwall of the Department of Biology acts as adviser to students in this curriculum. The preparatory work must total at least 90 term hours in college courses. Required and recommended courses are:

Required: Biology, 18 term hours, including General Zoology (Bi 201, 202, 203); chemistry, 18 term hours, including general inorganic chemistry and quantitative analysis.

Recommended: General Physics (Ph 201, 202, 203); Microtechnique (Bi 451); Histology (Bi 444); Vertebrate Embryology (Bi 445); Parasitology (Bi 463); Introduction to Bacteriology (Bi 311); General Bacteriology (Bi 412, 413); Human Physiology (Bi 312, 313); organic chemistry, biochemistry.

To be eligible for certification as a medical technologist, the student must, after completion of the preparatory curriculum, "have instruction for at least twelve consecutive months in an approved training school for medical technologists, or apprenticeship instruction of at least twelve consecutive months under a qualified clinical pathologist."

A training program which satisfies the requirements of the Registry of Medical Technologists is offered by the University of Oregon Medical School in Portland.

Interdepartmental Courses

CERTAIN courses offered by the College of Liberal Arts are broader in scope and objective than the instruction offered by any of the traditional liberal-arts departments. These courses are listed below under the headings: General Arts and Letters, General Science, and General Social Science.

General Arts and Letters

UPPER-DIVISION COURSES

AL 311, 312, 313. **Literature of the Ancient World.** 3 hours each term.

Fall: Homer and Greek epic; winter: the fifth century; spring: Latin poetry. Lectures and readings in English. Special attention to influence of Greek and Latin writers on English literature. Combella.

AL 314, 315, 316. **Introduction to Germanic Literature.** 3 hours each term.

In English. Lectures and assigned readings covering the whole range of German literature. Roecker.

AL 317, 318, 319. **Chinese and Japanese Classics in Translation.** 3 hours each term.

Fall and winter: Chinese literature; the classics, historians, philosophers; poetry and prose, including drama and the novel—both traditional and contemporary. Spring: Japanese literature, traditional and contemporary. Willis.

AL 321, 322, 323. **Classic Myths.** 1 hour each term.

The three major myths of the classical world: Troy, Thebes, and the Golden Fleece. Lectures and readings in English. Landros.

AL 331, 332, 333. **Russian Literature in Translation.** 3 hours each term.

A survey of Russian classical literature, with interpretation and criticism of selected texts from representative authors. Prerequisite: senior standing or consent of instructor. Strash.

AL 351, 352, 353. **Scandinavian Literature in Translation.** 3 hours each term.

Outstanding works of Scandinavian literature, studied in translation. Fall: Norwegian; winter: Swedish; spring: Danish. Prerequisite: upper-division standing. Williams.

AL 407. **Seminar.** (g) Hours to be arranged.

AL 477, 478, 479. **Dante and His Times.** (g) 3 hours each term.

Historical and literary background of the *Divine Comedy*; study of the poem and of Dante's minor works; Petrarch and Boccaccio. Lectures and readings in English. Prerequisite: upper-division course in literature. Beall.

General Science

LOWER-DIVISION COURSES

- GS 101, 102, 103. **Biological-Science Survey.** 4 hours each term.
Fundamental principles of plant and animal biology; man's interactions with the living world. 3 lectures; 1 two-hour laboratory period. Not open to students who have taken Bi 201, 202, 203 or Bi 204, 205, 206. Huestis, Detling.
- GS 104, 105, 106. **Physical-Science Survey.** 4 hours each term.
General introduction to the physical sciences; principles of physics and chemistry, geologic processes, and man's relation to them. Special emphasis on scientific method. 3 lectures; 1 quiz period. Ebbighausen.

UPPER-DIVISION COURSES

- GS 311, 312, 313. **Natural History of Oregon.** 3 hours each term.
The earth and life history of Oregon; kinds and distribution of contemporary plant and animal life; man and his relation to the environment. Prerequisite: upper-division standing, and a group-satisfying year sequence in general anthropology, biology, or geology. Detling, staff.

General Social Science

LOWER-DIVISION COURSES

- 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; attempts to create in the student the urge to independent thought through wide reading. Breen.
- SSc 104, 105. **Background of Social Science.** 5 hours each term, winter and spring.
A two-term sequence covering same ground as SSc 101, 102, 103.

UPPER-DIVISION COURSES

- SSc 408. **Social-Science Symposium.** (g) Hours to be arranged.
A cooperative study of the social problems of the state of Oregon. Open to qualified seniors and graduate students.
- SSc 411. **Social-Science Synthesis for Teachers.** (G) 3 hours fall or winter.
A study of economic, social, and political problems that are of local, state-wide, or national import. Designed especially for social-science teachers in secondary schools.

Department of Anthropology

Professors: L. S. CRESSMAN (department head), H. G. BARNETT.

Assistant Professors: W. S. LAUGHLIN, THEODORE STERN.

Assistants: JANET D. COLLINS, J. M. FORDE, L. J. POSPISIL.

THE courses offered by the Department of Anthropology are planned to provide a breadth of background and a depth of perspective in human society for students in other fields, as well as integrated programs for majors in anthropology.

A high-school student planning to major in anthropology is advised to take two years of high-school mathematics, preferably algebra. He should also come to the University with a sound background in English, so that he can read with understanding and express himself with clarity.

Majors in anthropology are required to take the following lower-division courses: Introduction to Cultural Anthropology (Anth 207, 208, 209); General Psychology (Psy 201, 202); Psychology of Adjustment (Psy 204) or Applied Psychology (Psy 205).

Upper-division and graduate majors select courses in anthropology and supporting fields in accordance with their individual interests. However, the following courses are required of all majors: (1) The American Indian (Anth 317, 318, 319); (2) a year sequence selected from Peoples of the Pacific (Anth 423, 424, 425), Peoples of Africa, the Near East, and Interior Asia (Anth 435, 436, 437), or Peoples of Southern and Eastern Asia (Anth 438, 439, 440); (3) Physical Anthropology (Anth 320, 321, 322); (4) American Archaeology (Anth 314, 315, 316) or Beginnings and Development of Civilizations (Anth 420, 421, 422). Mth 425 is recommended for majors.

The department offers work at the graduate level in the fields of archaeology, ethnology, linguistics, and physical anthropology. Graduate students must demonstrate competence in the fields of linguistics and physical anthropology to qualify for the master's degree.

The carefully selected anthropology collections of the Museum of Natural History in Condon Hall provide excellent material for class instruction, particularly in the culture of the American Indian.

LOWER-DIVISION COURSES

- Anth 101, 102, 103. **General Anthropology.** 3 hours each term.
Fall: man as a living organism; biological evolution; the human life cycle. Winter: evolution of man; human races, nature and problems. Spring: the development of culture; organization of culture; man, participant in and observer of culture. Cressman.
- 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. Barnett.

UPPER-DIVISION COURSES

- Anth 314, 315, 316. **American Archaeology.** 3 hours each term.
Problems and methods of archaeology in America. The peopling of the New World; problems of Early Man; development of cultures. 2 lectures, 1 two-hour laboratory period. Prerequisite: upper-division standing. Cressman.
- Anth 317, 318, 319. **The American Indian.** 3 hours each term.
Indian life in North, Central, and South America before white contact; contemporary Indian life where groups still survive. Prerequisite: upper-division standing. Stern.
- Anth 320, 321, 322. **Physical Anthropology.** 3 hours each term.
Study of human physical development, racial differentiation, and racial distributions. Man's place among the primates, morphological and genetic racial criteria, blood groups, constitutional types, prehistoric and historic racial movements. Prerequisite: course in biology. Laughlin.
- Anth 323, 324, 325. **Primitive Society.** 3 hours each term.
Social relationships and organizations among primitive peoples, including

kinship, fraternal, political, and religious forms and behaviors. Prerequisite: 9 hours in anthropology. Barnett.

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

Anth 403. **Thesis.** Hours to be arranged.

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

Anth 408. **Field Work in Anthropology.** (G) Hours to be arranged.

Anth 411, 412, 413. **Problems of Race and Culture.** (G) 3 hours each term.

The morphological and genetic basis of racial classification; stability of racial types, mental equality of races, race crossing; race prejudice as a cultural product. Socialization of the individual; adjustment of the group and individual to culture. Development of man's analysis of himself and his cultures. Prerequisite: upper-division standing. Laughlin.

Anth 420, 421, 422. **Beginnings and Development of Civilizations.** (G) 2 hours each term.

Fall: the palaeolithic world; its environment, technology, preagricultural economy, society, and art forms. Winter: the development of agriculture and sedentary life in the Near East; economy and society based on metallurgy; urban civilization; development of cultural complexes basic to Western civilization. Spring: diffusion of Near Eastern complexes to Europe and Asia; selected Asiatic and New World developments. Emphasis on cultural processes. Prerequisite: 9 hours in anthropology or consent of instructor.

Anth 423, 424, 425. **Peoples of the Pacific.** (G) 3 hours each term.

Life and customs among the native groups of the South Pacific, including Polynesia, Micronesia, Melanesia, Australia, and Indonesia. Prerequisite: upper-division standing. Barnett.

Anth 435, 436, 637. **Peoples of Africa, the Near East, and Interior Asia.** (G) 3 hours each term.

Fall: life and customs of the African native peoples; problems of culture change arising from European and Asiatic contact. Winter: ethnic groups of the Near East—Arabs, Jews, Druses, etc.; Islamic social structure; relations of the Near East with Africa and Asia. Spring: cultures of Interior Asia; palaeo-Siberians, Mongols, Manchus, Kirghiz, Kazaks, and other tribes of Asiatic Russia. Prerequisite: 9 hours in anthropology; upper-division standing. Stern.

Anth 438, 439, 440. **Peoples of Southern and Eastern Asia.** (G) 3 hours each term.

Introduction to the cultures of India, Farther India, China, Japan, and related areas. Development of distinctive cultural configurations. Interrelationships of cultures; impact of westernization. Racial, ethnic, and linguistic factors. Fall: the Hindu culture sphere; winter: the Chinese culture sphere; spring: southeastern Asia. Prerequisite: 9 hours in anthropology; upper-division standing. Stern.

Anth 441, 442, 443. **Linguistics.** (G) 2 hours each term.

The relation of language to culture; nature and forms of language; influence of linguistic patterns on thought; sounds of language—phonetics and phonemics; linguistic structures; morphophonemics and morphology; semantics; techniques of linguistic recording, analysis; field work. Prerequisite: upper-division standing; Anth 207, 208, 209 or two years of a foreign language; consent of instructor. Stern.

Anth 444, 445, 446. **Primitive Thought.** (g) 3 hours each term.

Fall: Primitive religion and magic; supernatural systems in the life of primitive people. Winter: primitive folklore and mythology; unwritten literature as an expression of the imaginative and creative thought of primitive people.

Spring: primitive art; the artist and aesthetic expression among primitive peoples. Any term may be taken separately, but it is recommended that the sequence be taken as a whole. Prerequisite: 9 hours of anthropology or consent of instructor. Stern.

Anth 450, 451, 452. **Cultural Dynamics.** (G) 3 hours each term.

Evaluation of approaches to the problem of cultural changes; analysis of invention and intergroup cultural borrowing; agents and conditions promoting change; mechanics of cultural growth; application of techniques for inducing change. Prerequisite: Anth 207, 208, 209 or consent of instructor. Barnett.

GRADUATE COURSES

Courses numbered 400-499 and designated (G) or (g) may be taken for graduate credit.

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

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

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

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

Anth 507. **Seminar.** 3 hours any term.

Anth 520, 521, 522. **Advanced Physical Anthropology.** 3 hours each term.

Observations and measurements of skeletons; morphological observations and anthropometry of the living. Genetic and morphological analysis of race. Dentition, biometric statistics, blood-group genetics and techniques. 2 lectures, 1 two-hour laboratory period. Prerequisite: Anth 320, 321, 322 or consent of instructor. Laughlin.

Department of Biology

Professors: P. L. RISLEY (department head), R. R. HUESTIS, A. R. MOORE (emeritus), H. B. YOCOM (emeritus).

Associate Professors: C. W. CLANCY, B. T. SCHEER, F. P. SIPE.

Assistant Professors: L. E. DETLING, B. H. MCCONNAUGHEY, A. L. SODERWALL.

Instructor: A. S. LOCKLEY.

Associate: GERTRUDE BEYL.

Assistants: JEAN BURNS, C. R. CURTIS, D. G. DELISLE, E. W. ELY, MARGERY GRAY, MARY E. GRIFFITHS,* LAWRENCE MACDOWELL, R. O. MORRISON, JR., W. D. PATTERSON, C. E. WIBERG, D. E. WILLIAMS, RUTH WILLOUGHBY.

THE courses offered by the Department of Biology are planned to provide: (1) a broad background in the fields of animal and plant biology; (2) thorough training for undergraduate and graduate major students, and for students planning to teach biology in the secondary schools; and (3) the work in biology required for admission to schools of medicine, nursing, dentistry, veterinary medicine, pharmacy, forestry, and medical technology.

Students intending to major in biology should include in their high-school course two years of work in mathematics; two years in foreign language, and two years in natural science.

* Resigned Dec. 31, 1950.

The following lower-division courses or their equivalents are required of biology majors: Intermediate Algebra (Mth 100); Elementary or General Chemistry (Ch 101, 102, 103 or Ch 201, 202); and 20 term hours selected from biology courses numbered in the 200s.

A total of at least 36 terms hours of upper-division courses in biology are to be selected with the advice of departmental advisers, in accordance with the objectives of the student.

Special curricula preparatory to training for biological professions are suggested on pages 92-95. These may be followed as recommended patterns for the selection of courses toward the biology major during the student's first two years.

Students preparing themselves to become teachers of biological science in the high schools should plan their upper-division programs to include adequate training in both botany and zoology. Requirements for the major may be adjusted within reasonable limits to the needs of the individual.

The department offers graduate work leading to the Master of Arts, Master of Science, and Doctor of Philosophy degrees. Candidates for a master's degree are expected to have met undergraduate major requirements or their equivalents before beginning graduate study. Facilities are available for graduate work in: plant taxonomy, plant morphology, vertebrate and invertebrate zoology, mammalogy, genetics, cytology, embryology, endocrinology, general physiology, and ecology.

The Museum of Natural History has representative collections of Oregon birds and mammals; the University Herbarium contains excellent collections of plants from Oregon and Pacific Northwest.

Institute of Marine Biology. The Oregon State System of Higher Education maintains an interinstitutional Institute of Marine Biology at Coos Bay on the Oregon coast during the summer months. The institute is located on a 100-acre tract of coastland, given to the University by the Federal government in 1932 and 1941. The deeds of gift provide that the land "shall be used by the University of Oregon solely for scientific and educational purposes." The institute occupies a group of buildings erected by the Civilian Conservation Corps.

Students working toward degrees in biology should plan to spend at least one summer at the Institute of Marine Biology or at another marine laboratory.

LOWER-DIVISION COURSES

Bi 201, 202, 203. **General Zoology.** 4 hours each term.

Animal biology, beginning with the invertebrates and including comparative vertebrate anatomy. 2 lectures; 2 two-hour laboratory periods. Risley, Lockley.

Bi 204, 205, 206. **General Botany.** 4 hours each term.

A study of the fundamental principles of plant biology. 2 lectures; 2 two-hour laboratory periods. Sipe.

UPPER-DIVISION COURSES

Bi 311. **Introduction to Bacteriology.** 3 hours fall.

Basic principles and techniques of bacteriology. Prerequisite to Bi 412, 413. 2 lectures; 2 two-hour laboratory periods. Prerequisite: one year of biology and one year of chemistry. McConnaughey.

Bi 312, 313. **Human Physiology.** 3 hours each term, winter and spring.

Required for majors in physical education, elective for others qualified. 2 lectures; 1 three-hour laboratory period. Prerequisite: one year of chemistry and one year of biology or consent of instructor. Soderwall.

Bi 315. **Evolution.** 2 hours winter.

Some of the facts which bear upon theories of plant and animal development. Huestis.

Bi 332. **Ferns and Mosses.** 4 hours winter.

A detailed study of the life histories of representative ferns, fern allies, liverworts, and mosses. Evolution among pteridophytes. 2 lectures; 2 three-hour laboratory periods. Prerequisite: general botany. Sipe.

Bi 333. **Gymnosperms.** 4 hours spring.

Comparative study of the gymnosperms. 2 lectures; 2 three-hour laboratory periods. Prerequisite: general biology. Sipe.

Bi 334. **Oregon Flora.** 3 hours spring.

Principles of plant classification; common plant families; collection and identification of Oregon plants. 2 lectures; 1 three-hour laboratory period. Prerequisite: Bi 204, 205, 206. Sipe.

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

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

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

Bi 407. **Seminar.** Hours to be arranged.

Bi 408. **Laboratory Projects.** (G) Hours to be arranged.

Special laboratory training in research methods.

Bi 412, 413. **General Bacteriology.** (g) 3 hours each term, winter and spring.

2 lectures; 2 two-hour laboratory periods. Prerequisite: Bi 311. McConnaughey.

Bi 441. **Introduction to Mammalian Physiology.** (g) 4 hours fall.

Introduction to the physiology of mammalian organs and organ systems. 3 lectures, 3 hours laboratory. Prerequisite: Bi 203, one year of chemistry. Soderwall.

Bi 442. **Genetics.** (g) 3 hours fall.

Heredity and variation in plants and animals; similarities and differences among related organisms. Lectures may be taken without laboratory (Bi 443) by liberal-arts majors who have upper-division standing, or who have had one year of biology. 3 lectures. Huestis.

Bi 443. **Genetics Laboratory.** (g) 2 hours fall.

It is recommended that this course be taken concurrently with Bi 442. 2 three-hour laboratory periods. Prerequisite: one year of biology. Clancy.

Bi 444. **Histology.** (g) 4 hours winter.

Systematic study, description, and identification of histological structures. 2 lectures; 2 three-hour laboratory periods. Prerequisite: Bi 203. Clancy.

Bi 445. **Vertebrate Embryology.** (g) 4 hours spring.

Early development stages of vertebrates. 2 lectures; 2 three-hour laboratory periods. Prerequisite: Bi 203. Huestis, Clancy.

Bi 451. **Microtechnique.** (g) 4 hours winter.

Laboratory experience in preparing tissues for microscopic study. 2 lectures; 2 three-hour laboratory periods. Prerequisite: Bi 203 or Bi 206. McConnaughey.

Bi 454. **Algae.** (G) 4 hours.

Structure and life histories of representative fresh-water and marine algae. 2 lectures; 2 three-hour laboratory periods. Prerequisite: general botany. Sipe.

- Bi 455. **Fungi.** (G) 4 hours.
Structure, physiology, and classification of fungi. 2 lectures, 2 three-hour laboratory periods. Prerequisite: general botany. Sipe.
- Bi 456. **Higher Fungi.** (G) 4 hours fall.
Structure and classification of the more common fungi. 2 lectures; 2 three-hour laboratory periods. Prerequisite: Bi 455. Sipe.
- Bi 461. **Protozoology.** (G) 4 hours.
Structure, classification, life histories, physiology, and ecology of the protozoa. 2 lectures; 2 three-hour laboratory periods. Prerequisite: one year of biology and junior standing. McConnaughey.
- Bi 462. **Invertebrate Zoology.** (G) 4 hours fall.
A survey of invertebrate phyla, with particular emphasis in nonparasitic forms. 2 lectures; 2 three-hour laboratory periods. Prerequisite: one year of zoology and junior standing. McConnaughey.
- Bi 463. **Parasitology.** (G) 4 hours winter.
Biological relationships of parasite and host, and the effect of such relationships on each. 2 lectures; 2 three-hour laboratory periods. Prerequisite: one year of zoology and junior standing. McConnaughey.
- Bi 464. **Principles of Ecology.** (G) 4 hours spring.
Fundamental principles underlying the relationship between organisms and environment; survey of past and present trends in ecological studies. 3 lectures; 1 three-hour laboratory period. Prerequisite: one year of chemistry; two years of biology. Lockley.
- Bi 465. **Aquatic Biology.** (G) 3 hours winter.
Lake and stream environments, cycles, aquatic organisms, economic phases. 2 lectures; 1 three-hour laboratory period or field trip. Prerequisite: one year of chemistry, two years of biology, senior standing. Lockley.
- Bi 471, 472, 473. **Advanced Systematic Botany.** (G) 4 hours each term.
Classification of the seed plants of the Pacific Northwest, with emphasis on distribution and speciation. 2 lectures; 2 three-hour laboratory periods. Prerequisite: two years of botany, including work in plant classification. Detling.
- Bi 475, 476, 477. **Advanced Plant Morphology.** (G) 4 hours each term.
Structure and life histories of the plant phyla above the thallophytes. 2 lectures; 2 three-hour laboratory periods. Prerequisite: two years of botany. Detling.
- Bi 481. **Mammalian Embryology.** (G) 3 hours.
Early developmental stages of the mammal. 1 demonstration period; 2 three-hour laboratory periods. Prerequisite: vertebrate embryology. Huestis.
- Bi 482. **Advanced Anatomy.** (G) 3 hours.
Special studies in animal morphology, with emphasis on contemporary anatomical methods and literature. 1 discussion period, 2 three-hour laboratory periods. Prerequisite: two years of zoology.
- Bi 485. **Endocrinology.** (G) 4 hours spring.
Morphology and physiology of the glands of internal secretion, and their role in normal body functions of the organisms. 3 lectures; 1 three-hour laboratory period. Prerequisite: two years of zoology; organic chemistry. Soderwall.
- Bi 491. **Introduction to General Physiology.** (G) 4 hours fall.
The properties of living matter; the cell as a physicochemical system; osmotic pressure; ion effects; contraction of muscle; conduction of the nerve impulse. Prerequisite: general zoology; chemistry. 3 lectures; 1 three-hour laboratory period. Scheer.

- Bi 492, 493. **Physiology Foundations of Behavior.** (G) 4 hours each term, winter and spring.
Physiology of animal behavior, nerve physiology, tropisms, conditioned reflexes; effects of environment and internal secretions on animal conduct. 3 lectures; 1 three-hour laboratory period. Prerequisite: Bi 491 or consent of instructor. Scheer.

GRADUATE COURSES

Courses numbered 400-499 and designated (G) or (g) may be taken for graduate credit.

- Bi 501. **Research.** Hours to be arranged.
- Bi 503. **Thesis.** Hours to be arranged.
- Bi 505. **Reading and Conference.** Hours to be arranged.
- Bi 507. **Seminar.** Hours to be arranged.
- Bi 523. **Modern Genetics.** 2 hours.
Lectures and assigned readings in current genetic literature, with demonstrations and laboratory practice in various experimental techniques of modern genetics. With the consent of the instructor, additional experimental work may be carried on in connection with this course under Bi 501. Prerequisite: two years of biology; elementary genetics; and organic chemistry. Clancy.
- Bi 525. **Experimental Morphogenesis.** 2 hours.
Problems and techniques of experimental morphogenesis and development. Lectures. With the consent of the instructor, experimental work may be carried on in connection with this course under Bi 501. Prerequisite: two years of zoology, including vertebrate embryology. Risley.
- Bi 527. **Cytology.** 3 hours winter.
The problems of cytology; methods of study of the cell as the fundamental unit of structure and function in living organisms; experimental procedures. 2 lectures; 1 three-hour laboratory period. Prerequisite: Bi 444, Bi 445, Bi 451, Bi 491, or consent of instructor. Risley.
- Bi 531. **Physiology of the Cell.** 4 hours.
Physiological mechanisms, including biochemical and biophysical factors, in cellular activities and metabolism. 3 lectures; 1 three-hour laboratory period. Prerequisite: Bi 491, Bi 492. Scheer.

Department of Chemistry

Professors: A. H. KUNZ (department head), F. L. SHINN (emeritus), PIERRE VAN RYSELBERGHE.*

Associate Professor: F. J. REITHEL.

Assistant Professors: R. B. DEAN, V. R. GAETNER, D. F. SWINEHART.

Instructors: D. W. CLEAVES, TRUMAN TEETER.

Fellows: E. R. COX,† K. E. HAYES, C. W. YOUNG, R. G. YOUNG.

Assistants: H. V. ARAKAKI,‡ G. R. DECKER,§ DORIS DOWIE, HERSCHEL FRYE, D. C. GATEWOOD,‡ L. F. GRILL, CHARLOTTE HERZOG, M. G. HOROWITZ, G. W. KITTINGER, R. D. MCCOY, GORDON MURDOCK, W. L. ST. JOHN, S. M. SHERMAN, HENRY TOBEY.

* On sabbatical leave 1950-51.

† Resigned Nov. 15, 1950.

‡ Resigned Jan. 6, 1951.

§ Resigned Oct. 31, 1950.

THE undergraduate courses in chemistry offered by the department are planned to provide a broad knowledge of the field as a part of the University's program of liberal education, and to provide a substantial foundation in chemistry for students planning (1) to become professional chemists, (2) to take advanced work in other sciences, (3) to enter a medical or dental school, or (4) to teach science in the secondary schools.

High-school preparation for major work in chemistry should include at least one unit each in algebra and geometry and two units in science. The student's high-school program should also include substantial courses in English, social science, literature, and foreign languages. Students entering with insufficient preparation in mathematics must make up their deficiencies through elementary courses offered by the University.

The standard curriculum for majors includes the following courses in chemistry and related fields:

Freshman Year. General Chemistry (Ch 201, 202, 203); year sequence in mathematics (students will be registered in a mathematics course for which they have adequate preparation; as a basis for placement, high-school records are supplemented by a placement examination).

Sophomore Year. Analytical and Theoretical Chemistry (Ch 204, 205, 206); General Physics (Ph 201, 202, 203); German.

Junior Year. Organic Chemistry (Ch 430, 431, 432); Differential and Integral Calculus (Mth 201, 202, Mth 313); German.

Senior Year. Physical Chemistry (Ch 440, 441, 442); Physical-Chemical Measurements (Ch 443, 444, 445).

Majors should elect at least one additional advanced sequence in chemistry, such as Advanced Inorganic Chemistry (Ch 411, 412, 413), Biochemistry (Ch 450, 451, 452, Ch 453, 454, 455), Colloid Chemistry (Ch 460, 461, 462). Additional courses in physics and mathematics are strongly recommended. Upper-division electives should include courses in the humanities as well as in the sciences. Majors in chemistry who intend to enter a medical school must take required work in biology (see page 94).

To be recommended by the department for the teaching of chemistry in the secondary schools, a student must have completed satisfactorily at least two year sequences in chemistry, together with supporting work in mathematics and physics.

The department offers graduate work leading to the Master of Arts, Master of Science, and Doctor of Philosophy degrees. The graduate program consists of thesis work, seminars, and broad fundamental courses. The graduate student is advised to elect some advanced courses in other fields of science. In most cases, professional chemical-research positions are open only to persons having an advanced degree.

The University of Oregon is on the approved list of schools whose chemistry faculties, facilities, and curricula have been investigated by the Committee on the Professional Training of Chemists of the American Chemical Society.

LOWER-DIVISION COURSES

Ch 101, 102, 103. **Elementary Chemistry.** 4 hours each term.

Similar to Ch 201, 202, 203 but less rigorous. Does not serve as a foundation for advanced courses in chemistry. Concurrent work in mathematics recommended. 3 lectures; 1 three-hour laboratory period, including 1 hour recitation. Cleaves.

Ch 201, 202, 203. **General Chemistry.** 5 hours each term.

Standard first-year college chemistry. Third-term laboratory work devoted to qualitative analysis. Prerequisite: Mth 10 or equivalent. 3 lectures; 2 three-hour laboratory periods, including 1 hour recitation. Kunz, Teeter.

Ch 204, 205, 206. **Analytical and Theoretical Chemistry.** 5 hours each term.

A second-year sequence for students expecting to do further work in chemistry. Laboratory in quantitative analysis. Prerequisite: Ch 203. 3 lectures; 2 three-hour laboratory periods. Swinehart.

Ch 220. **Analytical Chemistry.** 4 or 5 hours.

Lectures on the fundamentals of quantitative analysis. Laboratory work devoted mainly to quantitative analysis. Prerequisite: Ch 203. 3 lectures; 1 or 2 three-hour laboratory periods. Dean.

Ch 226, 227. **Introductory Organic Chemistry.** 4 hours each term.

Chemistry of the carbon compounds; the aliphatics, aromatics, and derivatives. 3 lectures; 1 three-hour laboratory period. Dean.

Ch 231. **Qualitative Analysis.** 4 hours.

Classification, separation, and identification of the common anions and cations. Prerequisite: Ch 205 or equivalent. 1 lecture; 3 three-hour laboratory periods.

UPPER-DIVISION COURSES

Ch 320. **Quantitative Analysis.** 2 or 3 hours.

An extension of the laboratory work of Ch 204, 205, 206, which is prerequisite. 2 or 3 three-hour laboratory periods.

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

For advanced undergraduates. An introduction to the methods of chemical investigation.

Ch 403. **Thesis.** Hours to be arranged.

Open only to students eligible to work for the bachelor's degree with honors in chemistry.

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

Ch 411, 412, 413. **Advanced Inorganic Chemistry.** (G) 2 or 3 hours each term.

A comprehensive study of the chemical elements and their compounds, including atomic, molecular, and crystal structures. Lectures and laboratory. Prerequisite: three years of college chemistry. Swinehart.

Ch 430, 431, 432. **Organic Chemistry.** (g) 5 hours each term.

Comprehensive study of the chemistry of the compounds of carbon. 3 lectures; 2 laboratory periods. Prerequisite: two years of college chemistry. Gaertner.

Ch 440, 441, 442. **Physical Chemistry.** (g) 3 hours each term.

Comprehensive study of the theoretical aspects of physical-chemical phenomena. 3 lectures. Prerequisite: two years of college chemistry; one year of calculus. Cleaves.

Ch 443, 444, 445. **Physical-Chemical Measurements.** (g) 1 hour each term.

A laboratory sequence; fundamental experiments illustrating physical-chemical principles. Normally taken with Ch 440, 441, 442. Cleaves.

Ch 449. **Survey of Physical Chemistry.** (g) 4 hours spring.

Fundamental principles of physical chemistry. Prerequisite: Ch 205. 3 lectures; 1 three-hour laboratory period. Cleaves, Teeter.

- Ch 450, 451, 452. **Biochemistry.** (G) 3 hours each term.
The chemical interpretation of biological phenomena; study of compounds having biological significance. 3 lectures. Prerequisite: organic and analytical chemistry, and biology. Reithel.
- Ch 453, 454, 455. **Biochemistry Laboratory.** (G) 1 or 2 hours each term.
Designed to accompany Ch 450, 451, 452. Chemical analysis of biological materials and laboratory investigation of biochemical phenomena. 1 or 2 three-hour laboratory periods. Reithel.
- Ch 460, 461, 462. **Colloid Chemistry.** (G) 2 or 3 hours each term.
The chemistry of surfaces, small particles, and large molecules, including naturally occurring high polymers and synthetic plastics. 2 lectures; 1 three-hour laboratory period (optional for nonmajors). Prerequisite: organic and analytical chemistry. Dean.

GRADUATE COURSES

Courses numbered 400-499 and designated (G) or (g) may be taken for graduate credit.

- Ch 501. **Research.** Hours to be arranged.
- Ch 503. **Thesis.** Hours to be arranged.
- Ch 505. **Reading and Conference.** Hours to be arranged.
- Ch 507. **Seminar.** Hours to be arranged.
- Ch 520, 521, 522. **Advanced Analytical Chemistry.** 2 or 3 hours each term.
Special topics in analytical chemistry, such as microanalysis, electrometric titration, conductimetric analysis, spectroscopic analysis, etc. 1 lecture; 1 or 2 laboratory periods.
- Ch 530, 531, 532. **Advanced Organic Chemistry.** 2 or 3 hours each term.
An advanced discussion of the fundamental reactions of organic compounds. Gaertner.
- Ch 533, 534, 535. **Advanced Organic Laboratory.** 2 hours each term.
Designed to accompany Ch 530, 531, 532. Gaertner.
- Ch 540, 541, 542. **Advanced Physical Chemistry.** 2 or 3 hours each term.
The work of each term is selected from such topics as: classical kinetic theory of gases, statistical mechanics, statistical thermodynamics, chemical kinetics in the gas phase and in solution, catalysis. Swinehart.
- Ch 543, 544, 545. **Electrochemistry.** 2 hours each term.
Systematic study of electrode potentials, galvanic cells, electrolysis, polarization phenomena, reversible and irreversible electrode reactions, with applications in electrometric analytical procedures, polarography, electrolytic organic preparations, etc.
- Ch 550, 551, 552. **Chemical Thermodynamics.** 3 hours each term.
The laws of thermodynamics, and their application to physicochemical problems, with special emphasis on free energies, chemical potentials, and statistical partition functions.
- Ch 560, 561, 562. **Advanced Biochemistry.** 2 or 3 hours each term.
Detailed consideration of such phases of biochemistry as carbohydrate and lipid metabolism, structure of nucleoproteins, enzyme action, antibiotics. Reithel.

Department of Economics

Professors: C. W. MACY (department head), CALVIN CRUMBAKER (emeritus), J. H. GILBERT (emeritus), P. L. KLEINSORGE, V. P. MORRIS, L. A. WOOD (emeritus).

Associate Professors: P. W. ELLIS, P. B. SIMPSON.

Assistant Professors: L. R. SORENSON, M. D. WATTLES.

Instructors: H. T. KOPLIN, E. C. ROBBINS, JR.

Fellows: L. B. McALLISTER, W. J. MEAD.

Assistants: H. W. BROWN, SHIRLEY A. BURR, F. E. PRICE, D. A. SEASTONE.

THE curriculum of the Department of Economics is intended not only to meet the needs of majors but also to provide nonmajor students with an insight into economic facts and problems as a part of their liberal education and as training for intelligent citizenship. The study of economics is basic for professional training in law, business, and public service.

Undergraduate Major. The undergraduate major in economics, leading to the Bachelor of Arts or Bachelor of Science degree, normally includes the following:

Sophomore Year. Principles of Economics (Ec 201, 202, 203), required of all majors. Majors are strongly urged to complete at least one year's work in college mathematics and one year of accounting by the end of the sophomore year.

Junior and Senior Years. Economic Theory (Ec 375, 376, 377), required of all majors; in addition, majors must complete 27 term hours of work in upper-division courses in economics, of which at least 18 hours must be in related sequences.

Option in Statistical Economics. This option, leading to the Bachelor of Arts or Bachelor of Science degree with a major in economics, is intended to prepare students for the investigation of economic and business problems through the application of modern statistical methods. The lower-division work is planned to provide a general foundation in the fields of mathematics, economics, and business. In the junior and senior years, advanced work in economic theory is supplemented by intensive training in pure and applied statistics. The following program is recommended:

Freshman Year. Elementary Analysis (Mth 101, 102, 103); Constructive Accounting (BA 111, 112, 113).

Sophomore Year. Principles of Economics (Ec 201, 202, 203); Differential and Integral Calculus (Mth 201, 202, 203); Elements of Statistical Methods (Mth 425, 426).

Junior Year. Year sequence in statistical economics (Ec 483, 484, 485); Economic Theory (Ec 375, 376, 377).

Senior Year. Money and Banking (Ec 411, 412, 413); Mathematical Economics (Ec 480, 481); Statistical Economics (Mth 447, 448, 449).

Graduate Work in Economics. The Department of Economics offers graduate work leading to the degrees of Master of Arts, Master of Science, and Doctor of Philosophy. For the general requirements for these degrees, see GRADUATE SCHOOL.

All candidates for the Ph.D. degree in economics must present evidence of a working knowledge of statistics and accounting. A candidate normally selects one or two minors in other schools or departments of the University, and is expected to devote not to exceed forty per cent of his time to work in his minor or minors.

Comprehensive written preliminary examinations and an oral preliminary examination in five fields of economics are required; all candidates are examined in the fields of economic theory and history of economic thought; the three additional fields may be elected by the candidate. The completion of a course or courses in any of these fields will not be accepted as a substitute for the required comprehensive examination.

A candidate for the Ph.D. degree in another field may present a minor in economics, provided he has had proper preparation. Work in economic theory is required of all minors; other fields may be elected by the candidate. Written comprehensive examinations are required in each field of economics included in the minor.

LOWER-DIVISION COURSES

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

Principles that underlie production, exchange, distribution, etc. Prerequisite: sophomore standing. Ellis, Koplín, Macy, Mead, Morris, Robbins, Wattles.

Ec 204, 205. **Principles of Economics.** 5 hours each term, winter and spring.

Two-term sequence covering same material as Ec 201, 202, 203.

UPPER-DIVISION COURSES

Ec 345, 346, 347. **Economic Problems of the Pacific.** 3 hours each term.

Application of the principles of international economics to the countries of the Pacific area, with special emphasis on the Far East. Primarily for nonmajors. Wattles.

Ec 375, 376, 377. **Economic Theory.** 3 hours each term.

Systematic study of the concepts and methods of current economic analysis, with special attention to the neoclassical school. Includes work in the fields of value and distribution, fluctuations, employment, etc. Required of all majors. Prerequisite: Ec 201, 202, 203. Koplín.

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

Prerequisite: consent of instructor.

Ec 411, 412, 413. **Money and Banking.** (G) 3 hours each term.

Nature and functions of money and credit; monetary theory and policy; principles and theory of commercial banking; historical development of the present monetary and banking institutions of the United States; comparative study of banking systems; international banking. Prerequisite: Ec 201, 202, 203. Robbins.

Ec 415. **National Income Analysis.** (G) 3 hours fall.

Analysis of statistical estimates of gross national production, national income, and related series. Emphasis on theory and limitations. Use of forecasting and economic analysis. Prerequisite: Ec 201, 202, 203; BA 111, 112, 113 or consent of instructor. Ellis.

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

Technological development of the major manufacturing industries; competitive conditions in each; effects of the business cycle on each; relation to general economic theory. Prerequisite: Ec 201, 202, 203. Ellis.

Ec 417. **Contemporary Economic Problems.** (G) 3 hours spring.

A study of contemporary business conditions and problems; the impact of war upon our economic system; problems of adjustment to a permanent basis. Prerequisite: Ec 201, 202, 203. Ellis.

Ec 418, 419, 420. **Public Finance.** (G) 3 hours each term.

Expenditures; taxes and other revenues; debt and fiscal policies of Federal, state, and local governments; budgeting. Principles, administration, and quantitative data. Prerequisite: Ec 201, 202, 203. Macy.

Ec 425. **Labor Problems.** (G) 5 hours fall.

Conditions of labor since the industrial revolution. The labor market; wages, hours, conditions of work; unemployment; etc. Prerequisite: Ec 201, 202, 203. Kleinsorge.

Ec 426. **Organized Labor.** (G) 3 hours winter.

History of the labor movement; aims, methods, and policies of trade unions, conservative and radical. Prerequisite: Ec 425. Kleinsorge.

Ec 427. **Labor Legislation.** (G) 3 hours spring.

Labor legislation in the United States; problems facing employee, employer, and public which call for regulation through public authority. Prerequisite: Ec 425. Kleinsorge.

Ec 432, 433. **Economics of Business Organization and Finance.** (G) 2 hours each term, fall and winter.

A descriptive study of the principal characteristics of the several types of business organization; the rights, duties, and obligations of investors and managing officials; the problems of promoting, organizing, and financing business; the political and economic problems of the modern giant corporation. Prerequisite: Ec 201, 202, 203. Simpson.

Ec 434. **Government Control of Private Business.** (G) 3 hours fall.

Survey of the general movement to subject business and personal and property rights to regulation by state or Federal agencies. Prerequisite: Ec 201, 202, 203. Koplín.

Ec 435. **Economics of Public Utilities.** (G) 3 hours winter.

Economic relationships which establish a public interest in a business enterprise. Economic and political problems of the organization, financing, management, and public relations of public utilities. Prerequisite: Ec 201, 202, 203. Koplín.

Ec 436. **Economics of Transportation.** (G) 3 hours spring.

Economic problems of contract and common carriers by water, highway, airway, railway. Passenger, freight, express, mail services; theories of rate making; public policy on subsidies and aids; competition and coordination. Prerequisite: Ec 201, 202, 203. Koplín.

Ec 437, 438. **Economic Problems of Government Regulation.** (G) 2 hours each term, fall and winter.

The development and application of antitrust and unfair-trade-practices legislation; government regulation of pricing; the problems of public policy in specific industries. Prerequisite: Ec 201, 202, 203. Koplín.

Ec 440, 441, 442. **International Trade and Economic Policies.** (G) 3 hours each term.

Theory of international trade; nature and effects of government interference in the form of bounties, subsidies, import and export duties; commercial policies of the more important nations. Economic causes and effects of the two world wars; remedial policies proposed. Prerequisite: Ec 201, 202, 203. Wattles.

- Ec 448, 449. **Collective Bargaining Systems.** (G) 2 hours each term, winter and spring.
Major techniques of negotiation; union and management policies; strikes and lockouts. Methods of settling labor disputes, including grievance procedures, conciliation, fact finding, and arbitration. Prerequisite: Ec 425. Kleinsorge.
- Ec 450, 451, 452. **Comparative Economic Systems.** (G) 2 hours each term.
An analytical comparison of capitalism and other economic systems. Prerequisite: Ec 201, 202, 203. Ellis.
- Ec 453. **Land Economics.** (G) 3 hours fall.
Economic principles underlying the utilization of agricultural, forest, recreational, and urban lands. Attention to rural and urban planning and zoning. Prerequisite: Ec 201, 202, 203.
- Ec 454. **Agriculture and the National Economy.** (G) 3 hours winter.
The place of American agriculture in the national and world economy. Problems of agricultural credit and finance, tenancy, housing, and labor; government control of production and of foreign and domestic marketing, with particular emphasis on price-control legislation; agricultural cooperatives. Prerequisite: Ec 201, 202, 203.
- Ec 455. **Conservation of Natural Resources.** (G) 3 hours spring.
Inventory of national resources in water, water power, soil, timber, and mineral wealth, with particular emphasis on the public domain; practices leading to wasteful and extravagant use; public policy calculated to prevent waste, promote restoration, and encourage conservation. Prerequisite: Ec 201, 202, 203.
- Ec 465. **Economic Problems of Social Security.** (G) 3 hours fall.
Fiscal, administrative, and constitutional problems of social security. Unemployment and old-age insurance, with special reference to Oregon; compensation for industrial injuries and occupational diseases. Prerequisite: Ec 201, 202, 203.
- Ec 466, 467, 468. **Economic History of Modern Europe.** (G) 3 hours each term.
European economic development and its effect upon society from the beginning of the modern era. Fall: the commercialization of economic life, 1500-1750; winter: the beginnings of industrialization, 1750-1850; spring: the spread of industrialism, 1850 to the present. Sorenson.
- Ec 470, 471, 472. **History of Economic Thought.** (G) 3 hours each term.
The evolution of man's ideas about economic matters; the classical school and the development of modern economic thought. Prerequisite: Ec 201, 202, 203. Kleinsorge.
- Ec 475, 476, 477. **Recent Economic Theories.** (G) 2 hours each term.
A detailed analysis and critique of theories of recent major economists. Prerequisite: Ec 375, 376, 377. Robbins.
- Ec 480, 481. **Mathematical Economics.** (G) 3 hours each term, winter and spring.
Construction and fitting of mathematical models of economic life. Prerequisite: Mth 101, 102, 103; Ec 201, 202, 203. Simpson.
- Ec 483. **Compilation of Economic Data.** (G) 3 hours fall.
Economic source material; adjusting time series for continuity and seasonal variation; cost of living, price, and production index numbers. Prerequisite: Mth 425, 426. Simpson.
- Ec 484. **Correlation Analysis of Economic Data.** (G) 3 hours winter.
Simple and multiple correlation and regression analysis of time series, supply-and-demand studies. Prerequisite: Mth 425, 426. Simpson.

- Ec 485. **Research and Survey Methods in Economics.** (G) 3 hours spring.
Sampling methods used in market research and in surveys of economic data. Prerequisite: Mth 425, 426. Simpson.
- Ec 487, 488, 489. **American Economic History.** (G) 3 hours each term.
All phases of the economic development of the United States. Sorenson.

GRADUATE COURSES

Courses numbered 400-499 and designated (G) may be taken for graduate credit.

- Ec 501. **Research.** Hours to be arranged.
- Ec 503. **Thesis.** Hours to be arranged.
- Ec 505. **Reading and Conference.** Hours to be arranged.
- Ec 507. **Seminar.** Hours to be arranged.
Economic Theory. Robbins.
Government Regulation. Koplin.
Industrial Relations. Kleinsorge.
International Economics. Wattles.
Money and Credit. Robbins.
Public Finance and Taxation. Macy.
Statistical Economics. Simpson.
- Ec 514, 515, 516. **National-Income Analysis and Forecasting.** 2 hours each term.
Investigation of the more important theoretical problems of national-income classification and analysis. Methods and procedures for the use of national-income analysis for economic forecasting. Ellis.
- Ec 520. **Fiscal Policy.** 2 hours.
Analysis of the effects of government expenditure, tax, and debt policies upon the nation's economy. Macy.

Department of English

Professors: P. W. SOUERS (department head), C. V. BOYER (emeritus), F. G. BLACK, R. H. ERNST,* H. H. HOELTJE, R. D. HORN, E. C. A. LESCH, E. G. MOLL, MARY H. PERKINS (emeritus), W. F. G. THACHER (emeritus), HOYT TROWBRIDGE.

Associate Professors: ROBESON BAILEY,† ALICE H. ERNST (emeritus), J. C. McCLOSKEY.

Assistant Professors: E. D. KITTOE, R. V. MILLS, CARLISLE MOORE, T. F. MUNDLE, N. H. OSWALD, J. C. SHERWOOD, HELEN SOEHREN, O. M. WILLARD.

Instructors: F. W. BLISS, JR., J. I. CHURCH, M. D. CLUBB, ROSE V. COLEMAN, D. G. DE BRODT, ROBERT DE MARIA, W. J. FEENEY, J. C. FINK, R. C. GORDAN, W. E. HOUSTON, S. N. KARCHMER, MARTHA McMULLEN, E. A. WAGES.

Fellows: RENATE M. KAUFMANN, R. E. SHERMAN.

Assistants: HARRIET BROEKER, J. S. HART, D. H. HENSLEY, J. J. KAARHUS, L. J. LAWSON,‡ G. H. LUNDY, JOAN L. MIMNAUGH, G. F. PROVOST, D. F. RAUBER,§ H. C. SHIRLEY.

* Retirement effective June 30, 1951.

† Resigned Mar. 24, 1951.

‡ Resigned Feb. 28, 1951.

§ Resigned Dec. 31, 1950.

THE Department of English offers instruction in English and American literature and in writing. Its lower-division courses are designed to supply the training essential for good writing, to serve as an introduction to humanistic studies, and to impart the fundamental knowledge requisite for a major in English. Its upper-division courses are designed to develop an intelligent and just appreciation of literature, to give some insight into the continuity of literature and the interrelation of literary movements, and to provide the opportunity for a well-rounded knowledge of the history of English and American literature and of the English language.

The department offers undergraduate and graduate majors in English literature and in American literature, and an undergraduate major in writing.

Major Requirements. The Department of English expects its majors to acquire, in addition to a knowledge of English literature, a general knowledge of philosophy and history and a reading knowledge of at least one foreign language. The general major requirements for the degree of Bachelor of Arts in the Department of English are as follows:

- (1) Greek, Latin, French, Italian, Spanish, or German during both the freshman and sophomore years (two successive years in one of the six languages).
- (2) English History (Hst 207, 208, 209) or History of Western Civilization (Hst 101, 102, 103); and a year sequence in biological or physical science.
- (3) Survey of English Literature (Eng 101, 102, 103), or Appreciation of Literature (Eng 104, 105, 106), or Introduction to Literature (Eng 107, 108, 109); and Shakespeare (Eng 201, 202, 203).
- (4) Additional courses, as follows:

Major in English Literature. Twenty-seven term hours in upper-division courses in English, with at least 15 hours in the 400 group. To assure variety and distribution of knowledge, these upper-division courses must include: (a) courses in periods of literature, not less than 9 hours; (b) courses in single authors, not less than 6 hours; (c) courses in types of literature, major literary expressions, and language, not less than 6 hours. Within this minimum requirement of 27 hours, the student must avoid choosing courses in single authors and periods of literature that will involve a repetition of work or concentration on a particular century. Three term hours in American literature may be counted in meeting the requirement. It is expected that at least 3 term hours be devoted to a course dealing with mediaeval literature.

Major in American Literature. (a) Fifteen term hours in upper-division courses in English literature, including not less than 9 hours in the 400 group; for the satisfaction of this minimum requirement, the student may not count more than 3 hours in nineteenth-century literature; the English major requirement of 6 hours in single-author courses must be satisfied. (b) Twenty-one term hours in American literature, 12 of which must be in upper-division courses and at least 6 in the 400 group.

Major in Writing. (a) Twenty-four term hours in upper-division courses in English or American literature, of which at least 15 must be in the 400 group; of these courses, at least 15 term hours must be in English literature, including at least 9 term hours in the 400 group and not more than 3 term hours in nineteenth-century literature; not more than 9 term hours may be in American literature—of which maximum, 6 hours must be in the 400 group. (b) Nine term hours in upper-division courses in writing, of which 6 must be in the 400 group.

Honors in English. For superior upper-division students, the Department of English offers a program leading to the degree of Bachelor of Arts with Honors (for regulations governing eligibility, see page 58). In addition to the regular requirements for a major in English, candidates for the degree with honors must submit a thesis that displays an aptitude for original and independent study or a literary composition that displays an aptitude for good writing, and must pass a comprehensive examination. All work in English and related subjects should be of honor grade.

To support the work in honors, the Department of English offers courses in Reading and Conference (Eng 305, 405) and Thesis (Eng 403). The candidate chooses a member of the faculty authorized to give such courses, who acts as his adviser, directs his reading, and oversees his thesis during his junior and senior years. Ordinarily, not more than a total of 3 hours per term, or a total of 18 hours for the two years, may be earned in Reading and Conference and Thesis. In special cases, credit for Reading and Conference may be substituted for course requirements.

State Teacher's Certificate. English majors intending to teach in the secondary schools must satisfy the education and subject requirements for a state teacher's certificate. (See SCHOOL OF EDUCATION).

English Literature

LOWER-DIVISION COURSES

*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. Black, Bliss, Clubb, Ernst, Fink, Gordon, Horn, McCloskey, Mills, Moore, Mundle, Oswald, Willard.

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

The aim is to stimulate enjoyment and understanding of literature through study of outstanding works in prose and poetry, selected from all periods, including the twentieth century; includes works in English and translations from other literatures. Moll, Moore, Mundle, Trowbridge, Willard.

*Eng 107, 108, 109. **Introduction to Literature.** 3 hours each term.

The aim is to stimulate the appreciation and criticism of literature through an examination of its motives and ideas. Study of some masterpieces in ancient, modern, and contemporary literature. Ernst, Sherwood.

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

Study of the important plays—comedies, histories, and tragedies. Required for majors. Ernst, Hoeltje, Horn, Lesch, McCloskey, Moll, Oswald, Trowbridge.

UPPER-DIVISION COURSES

Eng 305. **Reading and Conference.** Hours to be arranged.

Eng 311. **Tragedy.** 3 hours.

A study of the nature of tragedy and of its expression in various literary forms. R. Ernst.

Eng 312. **The Prose Tradition in English Literature.** 3 hours.

Thought and attitude of mind in their relation to prose style. Moore, Trowbridge.

* A student may register for only one of three sequences: Eng 101, 102, 103; Eng 104, 105, 106; Eng 107, 108, 109.

- Eng 313. **Epic.** 3 hours.
The heroic spirit in western European literature, with emphasis on English literature. Lesch.
- Eng 315. **Comedy.** 3 hours.
The comic view in nondramatic forms, as well as in the stage tradition. Main emphasis on English masters, but with attention also to classical and continental writers. Principal theories of the comic and of the corresponding literary forms and types. Horn.
- Eng 316. **Satire.** 3 hours.
Satire, or criticism through ridicule, as a major type of literary expression. Examples from various literary forms—dramatic, narrative, and poetic—and from ancient and foreign literatures, as well as English. Special emphasis on contemporary satire. Trowbridge.
- Eng 320, 321, 322. **English Novel.** 3 hours each term.
From Richardson and Fielding to the present. Black.
- Eng 394, 395, 396. **Twentieth-Century Literature.** 3 hours each term.
British and American literature since 1900. This sequence may not be offered toward the satisfaction of the minimum requirement for a major in English. Sherwood.
- Eng 403. **Thesis for Honors Candidates.** Hours to be arranged.
- Eng 405. **Reading and Conference.** Hours to be arranged.
- Eng 407. **Seminar in Special Authors.** (G) Hours to be arranged.
- Eng 411, 412, 413. **English Drama.** (G) 3 hours each term.
The development of English dramatic forms from the beginnings to modern times. Fall: mediaeval to Elizabethan; winter: 1642 to 1870; spring: contemporary drama. R. Ernst.
- Eng 414, 415, 416. **History of Literary Criticism.** (G) 3 hours each term.
Studies in the theory and practice of literary criticism from Plato and Aristotle to the present. Trowbridge.
- Eng 420, 421, 422. **Anglo-Saxon.** (G) 3 hours each term.
Grammar; translation of selected passages and the entire *Beowulf*. Souers.
- Eng 425. **Late Mediaeval Literature.** (G) 3 hours.
The literature of the Middle Ages, in relation to the social and literary ideas of the period. Souers.
- Eng 427. **Arthurian Legend in English Literature.** (G) 3 hours.
The origin and growth of the Arthurian legend; its use as poetic material by English and American writers. Souers.
- Eng 428. **Chaucer.** (G) 3 hours.
As much of Chaucer's work read as time permits. Required for graduate students in English. Souers.
- Eng 430, 431, 432. **Literature of the Renaissance.** (G) 3 hours each term.
Fall: Renaissance thought; winter: Renaissance epic and prose narrative; spring: English lyric from Wyatt to Herrick. Trowbridge.
- Eng 434. **Spenser.** (G) 3 hours.
Lesch.
- Eng 436. **Advanced Shakespeare.** (G) 3 hours.
Intensive study of several plays, with primary emphasis on textual problems and sources. Prerequisite: year sequence in Shakespeare. Lesch.

- Eng 440, 441, 442. **Seventeenth-Century Literature.** (G) 3 hours each term.
The poetry and prose from Jonson to Dryden studied in relation to the trends of thought and feeling which characterize the century. Black.
- Eng. 444. **Milton.** (G) 3 hours.
Lesch.
- Eng 450, 451, 452. **Eighteenth-Century Literature.** (G) 3 hours each term.
The prose and poetry of the century studied in relation to the social, political, and aesthetic ideas which gave the period its peculiar character. Horn.
- Eng. 455. **Pope.** (G) 3 hours.
Trowbridge.
- Eng 460, 461, 462. **The Romantic Poets.** (G) 3 hours each term.
Fall: Wordsworth and Coleridge; winter: Scott, Byron, and others; spring: Keats, Shelley, and others. Moll.
- Eng 463, 464, 465. **The Later Nineteenth-Century Poets.** (G) 3 hours each term.
Fall: Tennyson and Browning; winter: Arnold, the pre-Raphaelites, Swinburne, and others; spring: Morris, Thomson, Thompson, Hopkins, and others. Not offered 1951-52. Moll.
- Eng 470, 471, 472. **Nineteenth-Century Prose.** (G) 3 hours each term.
Main currents of thought as reflected in Carlyle, Mill, Newman, Ruskin, Huxley, Arnold, Pater. Mundle.
- Eng 490, 491, 492. **Development of the English Language.** (G) 3 hours each term.
The English language from Old English through Middle English to the present day. Vocabulary, inflection, syntax, and phonetics. Willard.

GRADUATE COURSES

Courses numbered 400-499 and designated (G) may be taken for graduate credit.

- Eng 501. **Research.** Hours to be arranged.
- Eng 503. **Thesis.** Hours to be arranged.
- Eng 505. **Reading and Conference.** Hours to be arranged.
- Eng 507. **Seminar.** Hours to be arranged.
- Topics to be assigned each year:
- Old and Middle English.
 - Sixteenth Century.
 - Seventeenth Century.
 - Eighteenth Century.
 - Nineteenth Century.
 - Drama.
 - Criticism.
- Eng 540. **Problems and Methods of Literary Study.** 2 hours fall.
Bibliography and the methods of literary research as an introduction to graduate work. Willard.

COURSES OFFERED ONLY IN SUMMER SESSIONS

- Eng 422, 423. **Types of Prose Fiction.** (G) 3 hours each term.

American Literature

The general purpose of the major in American literature is to provide the student with a background in English literature through a study of the acknowledged masters and the main currents in our English heritage, and to help him to gain an understanding and appreciation of the literature of his own country. For the major requirements, see page 114.

LOWER-DIVISION COURSES

Eng 261, 262, 263. **Survey of American Literature.** 3 hours each term.
American literature from its beginning to the present day. Two consecutive terms will satisfy the high-school teaching-field requirement in English. Black, Hoeltje, Mills.

UPPER-DIVISION COURSES

- Eng 305. **Reading and Conference.** Hours to be arranged.
Eng 328. **American Drama.** 3 hours.
A study of major American dramatists. McCloskey.
Eng 329. **Literature of the West.** 3 hours.
The literature of the trans-Mississippi region from the days of exploration to the present, with emphasis on the influence of the frontier. Some attention to Oregon literature. Mills.
Eng 391, 392, 393. **American Novel.** 3 hours each term.
Development of the American novel from its beginnings to the present. McCloskey.
Eng 403. **Thesis for Honors Candidates.** Hours to be arranged.
Eng 405. **Reading and Conference.** Hours to be arranged.
Eng 407. **Seminar in Special Authors.** (G) Hours to be arranged.
Eng 475, 476, 477. **Literary Foundations of American Life.** (G) 3 hours each term.
Study of those authors whose writings have largely given shape to American thought—from Bradford and the Puritans, through Woolman and Franklin, to Emerson. Required of all majors in American literature who have not taken Eng 261, 262, 263. Two consecutive terms will satisfy the high-school teaching-field requirement in English. Hoeltje.
Eng 478, 479, 480. **The Modern Spirit in American Literature.** (G) 3 hours each term.
From Whitman to the present. McCloskey.
Eng 481, 482, 483. **Major American Writers: The Romantic Idealists.** (G) 3 hours each term.
Fall: Emerson and Thoreau; winter: Hawthorne and Melville; spring: Poe and Lowell. Not offered 1951-52. Hoeltje.
Eng 484, 485, 486. **Major American Writers: The Realists.** (G) 3 hours each term.
Fall: Whitman and Twain; winter: Howells and James; spring: Robinson and Eliot. Hoeltje.

GRADUATE COURSES

Courses numbered 400-499 and designated (G) may be taken for graduate credit.

- Eng 501. **Research.** Hours to be arranged.
Eng 503. **Thesis.** Hours to be arranged.
Eng 505. **Reading and Conference.** Hours to be arranged.
Eng 507. **Seminar.** Hours to be arranged.

Writing

The major in writing offered by the Department of English is planned to offer students of demonstrated talent an opportunity to develop their abilities through practice in a variety of literary forms. Seniors are expected to undertake a sustained project of some length, such as a novel, a biography, a long poem or play, etc.

The department also offers required and elective courses in writing for all University students, to help them develop the ability to express themselves clearly in good English. English Composition (Wr 111, 112, 113) is a freshman sequence required of all students in the University; each term's work must be taken in its sequential order. A student who demonstrates, through examination, that his writing ability meets the standard aimed at in English Composition, may be excused from all or part of this required sequence. Students who do superior work in the first two terms of English Composition may substitute the first term of Advanced Writing (Wr 211) for Wr 113. Students planning to major in writing are advised to complete at least 6 term hours in Wr 211, 212, 213.

Students who receive a low rating in a placement examination given to all entering freshmen are required to take Corrective English (Wr K) before they are permitted to register for English Composition.

LOWER-DIVISION COURSES

- Wr K. **Corrective English.** 1 hour any term.
No-grade course. One-term course in the mechanics of English, required of freshmen who receive low ratings in the entrance placement examination. For such students Wr K is a prerequisite for any other work in written English.
Wr 111, 112, 113. **English Composition.** 3 hours any term.
The fundamentals of English composition; frequent written themes. Special attention to correctness in fundamentals and to the organization of papers. Sherwood, staff.
Wr 211, 212, 213. **Advanced Writing.** 3 hours each term.
Practice in a variety of literary forms, including fiction. Prerequisite: Wr 111, 112, with grade of A or B; Wr 113 with grade of B; or consent of instructor.
Wr 214. **Business English.** 3 hours any term.
Study of modern practices in business correspondence, primarily for students of business administration. Analysis and writing of the principal types of correspondence. Prerequisite: Wr 111, 112, 113. Church, Kittoe, McMullen.

UPPER-DIVISION COURSES

- Wr 311. **English Composition for Teacher.** 3 or 4 hours any term.
For students expecting to teach English in high school. Practice in writing and a review of the rules of composition. Required for satisfaction of the high-

school teaching-field requirement in English. Prerequisite: Wr 111, 112, 113, Mills.

Wr 316, 317. **Advanced Expository Writing.** 3 hours each term, winter and spring.

Practice in various forms of expository writing. Willard.

Wr 321, 322, 323. **Play Writing.** 3 hours each term.

Creative experiment in the writing of plays, with incidental study of models. Analysis and discussion of student work. Prerequisite: consent of instructor. Karchmer.

Wr 324, 325, 326. **Short-Story Writing.** 3 hours each term.

For students interested in creative writing, or in professional writing for magazines. Prerequisite: consent of instructor. Bailey.

Wr 341, 342, 343. **Versification.** 2 hours each term.

Verse writing; study of various verse forms as mediums of expression. Analysis of class work. Open to freshmen and sophomores. Prerequisite: consent of instructor. Moll.

Wr 408. **Individual Instruction.** Hours to be arranged.

Wr 420, 421, 422. **Novel Writing.** 3 hours each term.

Designed to offer apprentice training in the writing of novels, and to develop a critical grasp of fiction problems. Sustained work on a writing project continued throughout the year. Individual assigned readings. Prerequisite: consent of instructor. Bailey.

Wr 451, 452, 453. **Projects in Writing.** 3 hours each term.

The student is expected to plan and substantially complete a book-length project in a nonfiction form. Credit granted only after the completion of two terms of work in sequence. Prerequisite: consent of instructor. Bailey.

Department of Foreign Languages

Department Head: D. M. DOUGHERTY

Classical Languages

Associate Professor: F. M. COMBELLACK.

Assistant Professor: EDNA LANDROS.

Germanic Languages

Professor: E. P. KREMER.

Assistant Professors: W. A. ROECKER, ASTRID M. WILLIAMS.

Instructor: R. H. HEATLIE.

Oriental Languages

Assistant Professor: D. S. WILLIS.

Romance Languages

Professors: C. B. BEALL, R. P. BOWEN (emeritus), D. M. DOUGHERTY, L. O. WRIGHT.

Associate Professor: C. L. JOHNSON.*

Assistant Professors: GUSTAVO CORREA, CHRISTINA CRANE, BERNARDO GICOVATE, R. L. PICARD, P. J. POWERS.†

Instructors: J. D. DEVINE, W. H. MYER, RAYMONDE RICHARD, G. A. WHITE.

Fellow: D. G. HANNAN.

Assistants: HAROLD BAUMAN, BARBARA FISK,‡ EVA GALL, ELIZABETH KRAFT, CARLYLE-JANET MARKHAM, J. C. MCKEGNEY, J. G. SNOW, ROBERT SONDERGARD.

Slavic Languages

Assistant Professor: V. C. STRASH.

THE Department of Foreign Languages offers instruction in the following languages: Chinese, French, German, Greek, Italian, Japanese, Latin, Norwegian, Portuguese, Russian, Spanish, and Swedish. Major curricula leading to baccalaureate and advanced degrees are offered in Classical languages, Germanic languages, and Romance languages. The undergraduate instructional program has been planned to provide:

(1) A foundation for graduate study and teaching of Greek, Latin, German, French, Italian, and Spanish.

(2) A thorough reading knowledge of the languages for the satisfaction of the language requirement for the Bachelor of Arts degree, and as preparation for advanced studies in the natural sciences, social sciences, and humanities.

(3) A competent speaking knowledge of German, French, and Spanish through courses in conversation and through practical use of the languages in student-faculty language clubs and societies.

Major Requirements. Departmental requirements for the Bachelor of Arts degree with a major in the Department of Foreign Languages are as follows:

Classical Languages. Greek: 30 term hours beyond the first-year course; History of Greece (Hst 411), History of Rome (Hst 412, 413) (students majoring in Greek are normally expected to take courses in Latin). Latin: 24 term hours in upper-division courses in Latin; two year sequences in either Greek or a modern European language; Hst 411, Hst 412, 413.

French, German, or Spanish. 30 term hours beyond the second-year course; normally the survey of literature, composition and conversation, and two additional upper-division year sequences (at least one a literature sequence). Attainment of a reading knowledge of a second foreign language is recommended.

Romance Languages. 30 term hours beyond the second-year sequence in one language and 15 term hours beyond the second-year sequence in a second language.

Honors in Foreign Languages. For superior upper-division students, the Department of Foreign Languages offers a program leading to the degree of Bachelor of Arts with Honors (for regulations governing eligibility, see page 58). Honors candidates must, in addition to satisfying major requirements, submit a thesis and pass a comprehensive examination.

* On sabbatical leave 1950-51.

† On leave of absence 1950-51.

‡ Resigned Dec. 31, 1950.

State Teacher's Certificate. Foreign-language majors who plan to teach in the secondary schools must satisfy the education and subject requirements for a state teacher's certificate. See SCHOOL OF EDUCATION.

Classical Languages

GREEK

LOWER-DIVISION COURSES

- CL 1, 2, 3. **First-Year Greek.** 4 hours each term.
Thorough study of the forms and syntax of Attic Greek. Reading of selected passages of Xenophon's *Anabasis*. Landros.
- CL 214, 215, 216. **Second-Year Greek: Works of Homer and Plato.** 4 hours each term.
Fall and winter: Homer's *Iliad*, I-VI; practice in reading Greek verse; lectures and discussions on Homer and his times. Spring: Plato's *Euthyphro*, *Crito*, and *Apology*. Combella.
- CL 231, 232, 233. **New Testament Greek.** 4 hours each term.
Given alternate years. Prerequisite: one year of college Greek. Combella.

UPPER-DIVISION COURSES

- AL 311, 312, 313. **Literature of the Ancient World.** 3 hours each term.
For description, see page 97. Combella.
- CL 314, 315, 316. **Second-Year Greek: Works of Homer and Plato.** 4 hours each term.
For description see CL 214, 215, 216. Not open to students who have completed that sequence. Combella.
- CL 317, 318, 319. **Greek Tragedy.** 3 hours each term.
Selected plays of Euripides and Sophocles; survey of the history of Greek drama and of Greek stage antiquities. Prerequisite: two years of college Greek. Combella.
- CL 321, 322, 323. **Greek Historians.** 2 hours each term.
Herodotus, Thucydides, and Xenophon. Lectures on the minor historians. Fall: Persian Wars. Winter: Sicilian Expedition. Spring: selected portions of Xenophon, *Hellenica*. Prerequisite: two years of college Greek. Combella, Landros.
- CL 324, 325, 326. **Greek Comedy.** 3 hours each term.
The development of comedy from the beginning to the perfected New Comedy. Reading of Aristophanes and Menander. Prerequisite: two years of college Greek. Combella.
- CL 351, 352, 353. **Greek Prose Composition.** 1 hour each term.
Practice in the writing of Attic prose. Special attention to syntax, word order, use of particles. Prerequisite: two years of college Greek. Combella.
- CL 405. **Reading and Conference.** Hours to be arranged.
- CL 407. **Seminar.** (g) Hours to be arranged.
- CL 411, 412, 413. **Plato and Aristotle.** (G) 3 hours each term.
Plato, *Republic*; Aristotle, *Ethics* and *Politics*. Emphasis on Plato's literary art and on his attitude toward literature; Aristotle's relationship to Plato. Prerequisite: two years of college Greek. Combella.

- CL 414, 415, 416. **Attic Orators.** (G) 2 hours each term.
The beginnings and development of Attic oratory. Reading from Lysias, Aeschines, Demosthenes, and Isocrates. Lectures and discussions on ancient rhetoric. Prerequisite: two years of college Greek. Combella.

GRADUATE COURSES

Courses numbered 400-499 and designated (G) or (g) may be taken for graduate credit.

- CL 503. **Thesis.** Hours to be arranged.
Not offered 1951-52.
- CL 505. **Reading and Conference.** Hours to be arranged.
Not offered 1951-52.
- CL 507. **Seminar.** Hours to be arranged.
Not offered 1951-52.
- CL 517, 518, 519. **Greek Literature.** Hours to be arranged.
Introduction to methods and materials for research in the classics. Special attention to literary problems. Intensive study of one of the following: Homer's *Odyssey*, Sophocles, Thucydides, Plato's *Republic*, Alexandrian poetry. Not offered 1951-52. Combella.

LATIN

LOWER-DIVISION COURSES

- CL 4, 5, 6. **First-Year Latin.** 4 hours each term.
The sequence begins with the fundamentals of Latin and closes with the reading of three books of Caesar's *Gallia*. Landros.
- CL 7, 8, 9. **Second-Year Latin.** 4 hours each term.
Brief review of Latin grammar. Reading of selected passages from Cicero and from Vergil's *Aeneid*. Prerequisite: one year of college Latin or two years of high-school Latin. Landros.
- CL 10, 11. **First-Year Latin.** 6 hours each term, winter and spring.
A two-term sequence covering the work of CL 4, 5, 6. For student who wish to begin Latin in the winter term. Landros.
- CL 204, 205, 206. **Latin Literature: Augustan Age.** 3 hours each term.
Vergil, *Eclogues*; Livy, Books I and II; Horace, *Odes*; selections from other Augustan writers. Close study of poetic technique of Vergil and Horace. Prerequisite: two years of college Latin or equivalent. Combella.

UPPER-DIVISION COURSES

- CL 331, 332, 333. **Latin Literature: Augustan Age.** 3 hours each term.
For description see CL 204, 205, 206. Not open to students who have completed that sequence. Combella.
- CL 340. **Advanced Latin Grammar.** 3 hours spring.
Survey of the sounds, forms, and syntax of classical Latin; relation of Latin to other languages; basis of Latin verse; introduction to the principles of philology. Landros.
- CL 341, 342, 343. **Latin Literature: Silver Age.** 3 hours each term.
Tacitus, *Agricola* and *Germania*; Pliny, selected *Letters*; Martial, selected *Epigrams*; Suetonius, selected *Lives*. Prerequisite: two years of college Latin or equivalent. Landros.

- CL 344, 345, 346. **Latin Literature: Ovid.** 2 hours each term.
Reading of the major myths in the fifteen books of the *Metamorphoses*. Study of prosody and practice in reading of Latin verse. Landros.
- CL 405. **Reading and Conference.** Hours to be arranged.
- CL 407. **Seminar.** (g) Hours to be arranged.
- CL 461, 462, 463. **Latin Literature: Historians.** (G) 3 hours each term.
A general survey of Latin historiography from its beginnings to about 400 A.D. Reading concentrated mainly in Livy, Tacitus, and Ammianus Marcellinus. Lectures and reports. Intensive study of Livy's style. Combella.

GRADUATE COURSES

Courses numbered 400-499 and designated (G) or (g) may be taken for graduate credit.

- CL 503. **Thesis.** Hours to be arranged.
Not offered 1951-52.
- CL 505. **Reading and Conference.** Hours to be arranged.
Not offered 1951-52.
- CL 507. **Seminar.** Hours to be arranged.
Not offered 1951-52.
- CL 511, 512, 513. **Readings in Mediaeval Latin.** Hours to be arranged.
Not offered 1951-52. Landros.
- CL 514, 515, 516. **History of Latin Literature.** Hours to be arranged.
Survey of the literature of Rome, with reading of specimens of the various literary forms; Latin literary forms in the Middle Ages and the Renaissance. Not offered 1951-52. Landros.
- CL 526, 527, 528. **Historical Latin Grammar.** Hours to be arranged.
The morphology, phonology, syntax, and semantics of Latin in its changes from the classical period to the development of modern Romance languages. Reading of mediaeval texts. Not offered 1951-52. Landros.

Germanic Languages

GERMAN

LOWER-DIVISION COURSES

- GL 1, 2, 3. **First-Year German.** 4 hours each term.
Provides a thorough grammatical foundation and an elementary reading knowledge of German, as well as an understanding of the spoken language. Kremer, Roecker, Heatlie.
- GL 4, 5, 6. **Second-Year German.** 4 hours each term.
Review of grammar and composition. Reading of modern German authors. Conversation. Roecker, Williams, Heatlie.
- GL 7, 8. **First-Year German.** 6 hours each term, winter and spring.
A two-term sequence covering the work of GL 1, 2, 3. For students who wish to begin German in the winter term. Kremer.
- GL 201, 202, 203. **Survey of German Literature.** 3 hours each term.
German literature from the Middle Ages to the present; readings from representative authors. Prerequisite: two years of college German. Williams.

UPPER-DIVISION COURSES

- AL 314, 315, 316. **Introduction to Germanic Literature.** 3 hours each term.
For description, see page 97. Roecker.
- GL 320, 321, 322. **Scientific German.** 3 hours each term.
Intensive practice in the reading of scientific texts of increasing difficulty. Prerequisite: two years of college German; or completion of GL 1, 2, 3 or GL 7, 8, with a grade of A or B. Kremer.
- GL 331, 332, 333. **German Literature of the Nineteenth Century.** 3 hours each term.
The "novelle," principal dramatic works of the postclassical period, representative lyrics. Prerequisite: survey course in German literature.
- GL 334, 335, 336. **Intermediate German Conversation and Composition.** 2 hours each term.
Extensive practice in speaking and writing. Required of German majors. Prerequisite: two years of college German or equivalent. Conducted in German. Heatlie.
- GL 340, 341, 342. **German Culture and Civilization.** 2 hours each term.
Historical and political backgrounds of German literature and art. Prerequisite: two years of college German. Kremer.
- GL 343, 344, 345. **Survey of German Literature.** 3 hours each term.
For description see GL 201, 202, 203. Not open to students who have completed that sequence. Williams.
- GL 403. **Thesis.** Hours to be arranged.
- GL 405. **Reading and Conference.** 1 to 3 hours any term.
- GL 407. **Seminar.** (g) Hours to be arranged.
- GL 411, 412, 413. **Classical German Drama and Goethe's "Faust."** (G) 3 hours each term.
The dramatic masterpieces of the classical period of German literature. Goethe's *Faust*, Parts I and II. Prerequisite: survey of German literature. Roecker.
- GL 421, 422, 423. **Modern German Literature.** (g) 3 hours each term.
Study of representative texts of prose, poetry, and drama from 1889 to the present, with particular attention to works of Hauptmann, Sudermann, Schnitzler, and Thomas Mann. Prerequisite: survey of German literature.
- GL 424, 425, 426. **Advanced German Composition and Conversation.** 2 hours each term.
Systematic review of grammar. Historical survey of the German language; translation of modern literary texts into German; writing of original themes. Conducted in German. Normally required of German majors. Kremer.

GRADUATE COURSES

Courses numbered 400-499 and designated (G) or (g) may be taken for graduate credit.

- GL 503. **Thesis.** Hours to be arranged.
Not offered 1951-52.
- GL 505. **Reading and Conference.** 1 to 3 hours any term.
Not offered 1951-52.
- GL 507. **Seminar.** Hours to be arranged.
Not offered 1951-52.

- GL 508. **Seminar: German Philology.** 3 hours any term.
Not offered 1951-52.

SCANDINAVIAN

LOWER-DIVISION COURSES

- GL 11, 12, 13. **Elementary Norwegian.** 3 hours each term.
Designed to give a thorough grammatical foundation in idiomatic Norwegian, with emphasis on both the reading and speaking of the language. Alternates with GL 24, 25, 26. Williams.
- GL 14, 15, 16. **Second-Year Norwegian.** 3 hours each term.
Review of grammar, composition, conversation; reading of modern Norwegian authors. Alternates with GL 21, 22, 23. Williams.
- GL 21, 22, 23. **Elementary Swedish.** 3 hours each term.
Designed to give a thorough grammatical foundation in idiomatic Swedish, with emphasis on both the reading and speaking of the language. Alternates with GL 14, 15, 16. Williams.
- GL 24, 25, 26. **Second-Year Swedish.** 3 hours each term.
Review of grammar, composition, conversation; reading of modern Swedish authors. Alternates with GL 11, 12, 13. Williams.

UPPER-DIVISION COURSES

- AL 351, 352, 353. **Scandinavian Literature in Translation.** 3 hours each term.
For description, see page 97. Williams.

Oriental Languages

LOWER-DIVISION COURSES

- OL 1, 2, 3. **First-Year Japanese.** 4 hours each term.
Elementary conversation, reading, and composition in *kana* and *kanji*. Willis.
- OL 4, 5, 6. **Second-Year Japanese.** 4 hours each term.
Continuation of OL 1, 2, 3, with emphasis on reading, grammar, and conversation. Willis.
- OL 21, 22, 23. **First-Year Chinese.** 4 hours each term.
Elementary conversation, reading, and composition in the *kuoyü*. Willis.
- OL 24, 25, 26. **Second-Year Chinese.** 4 hours each term.
Continuation of OL 21, 22, 23, with emphasis on reading, grammar, and conversation. Willis.

UPPER-DIVISION COURSES

- AL 317, 318, 319. **Chinese and Japanese Classics in Translation.** 3 hours each term.
For description, see page 97. Willis.

Romance Languages

FRENCH

LOWER-DIVISION COURSES

- RL 1, 2, 3. **First-Year French.** 4 hours each term.
An introduction to French, stressing reading and speaking. Exercises in elementary composition. Picard, staff.

- RL 4, 5, 6. **Second-Year French.** 4 hours each term.
Reading of modern French authors, rapid review of grammar; considerable attention to practical use of the language by the student. Crane, staff.
- RL 7, 8. **First-Year French.** 6 hours each term, winter and spring.
Covers in two terms the work of RL 1, 2, 3. For students who wish to begin French in the winter term. Snow.
- RL 201, 202, 203. **Survey of French Literature.** 3 hours each term.
French literature from the Middle Ages to the present; readings from representative authors. Prerequisite: two years of college French or equivalent. Picard, Crane.

UPPER-DIVISION COURSES

- RL 311, 312, 313. **Survey of French Literature.** 3 hours each term.
For description, see RL 201, 202, 203. Not open to students who have completed that sequence. Picard, Crane.
- RL 314, 315, 316. **Intermediate French Composition and Conversation.** 2 hours each term.
Exercises in pronunciation, comprehension, and composition. Ample opportunity for conversation. Prerequisite: two years of college French or equivalent. Conducted in French. Richard, White.
- RL 320, 321, 322. **French Pronunciation and Phonetics.** 2 hours each term.
A thorough study of the fundamentals of French pronunciation with personal attention to each student's difficulties. Prerequisite: two years of college French or equivalent. Johnson, Dougherty.
- RL 403. **Thesis.** Hours to be arranged.
For students reading for honors in Romance languages.
- RL 405. **Reading and Conference.** Hours to be arranged.
- RL 411, 412, 413. **Seventeenth-Century French Literature.** (G) 3 hours each term.
Systematic study of the principal movements, types, and writers, with special emphasis on Pascal, Corneille, Molière, and Racine. Prerequisite: survey course in French literature. Dougherty.
- RL 417, 418, 419. **Nineteenth-Century French Prose.** (G) 3 hours each term.
The main types and currents; romanticism, realism, naturalism. Readings in representative authors. Prerequisite: survey course in French literature. Picard.
- RL 420, 421, 422. **Nineteenth-Century French Drama and Poetry.** (G) 3 hours each term.
Study of selected works of the great poets and playwrights of the nineteenth century; Lamartine, Hugo de Musset, Baudelaire, Verlaine, and others. Prerequisite: survey course in French literature. Johnson.
- RL 423, 424, 425. **Twentieth-Century French Literature.** (G) 3 hours each term.
Study of the writers and dominant literary currents in France since 1900. Readings, lectures, and recitations. Conducted in French. Prerequisite: survey course in French literature. Picard.
- RL 429, 430, 431. **French Culture and Civilization.** (G) 3 hours each term.
The political and social backgrounds of French literature; introduction to French music and art. Johnson.
- RL 467, 468, 469. **Advanced French Composition.** (G) 2 or 3 hours each term.
Translation of modern literary texts into French, and writing of original themes. Conducted in French. Normally required of French majors. Prerequisite: RL 314, 315, 316 or equivalent. Picard.

GRADUATE COURSES

Courses numbered 400-499 and designated (G) may be taken for graduate credit.

- RL 503. **Thesis.** Hours to be arranged.
- RL 505. **Reading and Conference.** Hours to be arranged.
- RL 507. **French Seminar.** Hours to be arranged.
- RL 511, 512, 513. **Nineteenth-Century French Literature.** 3 hours each term.
- RL 514, 515, 516. **Eighteenth-Century French Literature.** 3 hours each term.
Study of the principal authors of the Enlightenment, particularly in their relationships to European currents of thought; emphasis on Montesquieu, Voltaire, Rousseau, and the Encyclopaedists. Beall.
- RL 517, 518, 519. **Sixteenth-Century French Literature.** 3 hours each term.
A general survey of literature in the Renaissance, with emphasis on Marguerite de Navarre, Rabelais, du Bellay, d'Aubigné, and Montaigne. Beall.
- RL 538, 539, 540. **Old French Readings.** 2 hours each term.
Study of the principal mediaeval genres; romances, chronicles, lyric poetry, and drama. Special attention to works of fourteenth and fifteenth centuries.

ITALIAN

LOWER-DIVISION COURSES

- RL 31, 32, 33. **First-Year Italian.** 3 hours each term.
Grammar, pronunciation, composition, and translation of modern authors. Powers, Beall.
- RL 34, 35, 36. **Second-Year Italian.** 3 hours each term.
Reading of modern authors. Composition, pronunciation, grammar. Beall.

UPPER-DIVISION COURSES

- RL 371, 372, 373. **Third-Year Italian.** 3 hours each term.
Reading of selections from representative works of great authors. Reports. Outline of Italian literature. Beall.
- RL 474, 475, 476. **Fourth-Year Italian.** (g) 2 hours each term.
Emphasis upon the classical writers. Beall.
- AL 477, 478, 479. **Dante and His Times.** (g) 3 hours each term.
For description, see page 97. Beall.

PORTUGUESE

UPPER-DIVISION COURSES

- RL 391, 392, 393. **First-Year Portuguese.** 2 hours each term.
Translation of simple prose, conversation, composition, and grammar. Not offered 1951-52.
- RL 491, 492, 493. **Second-Year Portuguese.** 2 hours each term.
Review of grammar; composition, conversation; translation of selections from representative Portuguese and Brazilian authors. Not offered 1951-52.

SPANISH

LOWER-DIVISION COURSES

- RL 11, 12, 13. **First-Year Spanish.** 4 hours each term.
An introduction to Spanish, stressing speaking and reading. Exercises in elementary composition. Wright, staff.
- RL 14, 15, 16. **Second-Year Spanish.** 4 hours each term.
Intensive oral and written exercises designed to help the student acquire accurate and fluent use of Spanish. Reading of representative authors. Gicovate, staff.
- RL 17, 18. **First-Year Spanish.** 6 hours each term, winter and spring.
Covers in two terms the work of RL 11, 12, 13. For students who wish to begin Spanish in the winter term. Hannan.
- RL 207, 208, 209. **Survey of Spanish Literature.** 3 hours each term.
Spanish literature from the Middle Ages to the present; readings from representative texts. Prerequisite: two years of college Spanish or equivalent. Powers, Wright, Gicovate, Correa, Myer.

UPPER-DIVISION COURSES

- RL 341, 342, 343. **Survey of Spanish Literature.** 3 hours each term.
For description see RL 207, 208, 209. Not open to students who have completed that sequence. Powers, Wright, Gicovate, Correa, Myer.
- RL 347, 348, 349. **Intermediate Spanish Composition and Conversation.** 2 hours each term.
Fundamentals of pronunciation. Extensive oral and written practice. Conducted in Spanish. Prerequisite: two years of college Spanish. Correa, Devine.
- RL 350, 351. **Spanish Phonetics.** 2 hours each term.
Scientific study of Spanish sounds, rhythm, and intonation. Supervised practice, with individual use of recording equipment. Prerequisite: consent of instructor. Myer, Gicovate.
- RL 403. **Thesis.** Hours to be arranged.
For students reading for honors in Romance languages.
- RL 405. **Reading and Conference.** Hours to be arranged.
- RL 438, 439, 440. **Nineteenth-Century Spanish Literature.** (G) 3 hours each term.
Reading and study of representative works in drama, poetry, and prose from the romanticists to the generation of 1898. Conducted in Spanish. Prerequisite: survey course in Spanish literature. Correa.
- RL 441, 442, 443. **Modern Spanish Literature.** (G) 3 hours each term.
Spanish literature since 1898. Principal types and authors. Extensive reading of texts. Conducted in Spanish. Prerequisite: survey course in Spanish literature.
- RL 444, 445, 446. **Spanish-American Literature.** (G) 3 hours each term.
Study of the principal authors of Spanish America since the beginning of the sixteenth century. Selections from the works of Ercilla, Sor Juana, Bello, Heredia, Sarmiento, Darío, Silva, Nervo, González Prada, Mistral, and others. Conducted in Spanish. Prerequisite: survey course in Spanish literature. Gicovate.
- RL 451, 452, 453. **Spanish Literature of the Golden Age.** (G) 3 hours each term.
Study of the outstanding authors of Spain's classical period: Garcilaso, Cer-

vantes, Lope de Vega, Calderón, Quevedo, Góngora, and others. Prerequisite: survey course in Spanish literature. Powers, Correa.

RL 461, 462, 463. **Advanced Spanish Composition and Conversation.** (G) 2 or 3 hours each term.

Normally required of all Spanish majors. Prerequisite: RL 347, 348, 349 or equivalent. Conducted in Spanish. Wright.

GRADUATE COURSES

Courses numbered 400-499 and designated (G) may be taken for graduate credit.

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

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

RL 508. **Spanish Seminar.** Hours to be arranged.

RL 541, 542, 543. **Old Spanish Readings.** 2 hours each term.

Study of representative texts of the three centuries preceding the Golden Age. Development of the principal genres: the chronicle, the ballad, the romance. Detailed study of *El Libro de Buen Amor*, *El Conde Lucanor*, and *Amadís de Garella*. Wright.

RL 554, 555, 556. **Drama of the Golden Age.** 3 hours each term.

Interpretation and criticism of selected comedies of Lope de Vega, Calderón, Tirso de Molina, Ruiz de Alarcón, Augustín Moreto, and Rojas Zorrilla. Conducted in Spanish. Powers.

RL 557, 558, 559. **The "Modernista" Movement.** 3 hours each term.

Leading "Modernista" poets, essayists, and short-story writers: Darío, Rodó, Quiroga, A. Machado, Valle Inclán, and others. Effect of their reform on literary language and style. Conducted in Spanish. Gicovate.

RL 561, 562, 563. **Spanish-American Novel.** 3 hours each term.

Intensive study of literary and social movements as reflected in the novels of Fernández de Lizardi, Isaacs, Rivera, Gallegos, Azuela, Guzmán, and others. Conducted in Spanish. Gicovate.

ROMANCE PHILOLOGY

GRADUATE COURSES

RL 520, 521, 522. **Old French.** 3 hours each term.

Phonology and morphology. Reading of principal literary monuments. History of French literature through the thirteenth century. Dougherty.

RL 523, 524, 525. **Vulgar Latin and Old Provençal.** 2 hours each term.

RL 535, 536, 537. **Old Spanish.** 3 hours each term.

Phonology, morphology, and syntax of early texts; ecclesiastical glosses, legal documents, *Auto de Los Reyes Magos*, the *Roncesvalles* fragment, the *Cantar de Mio Cid*, ancient ballads. Wright.

Slavic Languages

LOWER-DIVISION COURSES

SL 11, 12, 13. **First-Year Russian.** 4 hours each term.

Designed to develop rapid acquisition of a reading knowledge of Russian. Exercises in elementary composition and conversation. Strash.

SL 14, 15, 16. **Second-Year Russian.** 4 hours each term.

Continuation of SL 11, 12, 13. Reading of Russian classics, supplemented by review of grammar. Ample opportunity for practical use of the language. Strash.

UPPER-DIVISION COURSES

SL 311, 312, 313. **Russian Literature.** 3 hours each term.

Russian literature from the Middle Ages to the present; reading of representative texts. Prerequisite: two years of Russian or equivalent. Strash.

AL 331, 332, 333. **Russian Literature in Translation.** 3 hours each term.

For description, see page 97. Strash.

Department of Geography and Geology

Professor: S. N. DICKEN (department head).

Associate Professors: E. M. BALDWIN, L. W. STAPLES.

Assistant Professors: S. D. ERICKSEN, J. E. GAIR, J. C. STOVALL.

Instructor: J. W. GIERHART.

Assistants: W. R. ASHWILL, W. E. BALES, C. L. KALBFUS, J. D. MEYERS.

THE Department of Geography and Geology serves three classes of students; (1) professional major students; (2) nonprofessional major students, who wish to build a broad cultural education around a central interest in geography and geology; and (3) students majoring in other fields who wish some acquaintance with the contribution of these studies to the understanding of the world and its problems.

For major students, the department provides work in four general fields of specialization: (1) petrology, mineralogy, and economic geology; (2) historical geology and palaeontology; (3) physical geography; (4) economic geography. The first of these fields has a natural alliance with physics and chemistry, the second a natural alliance with botany and zoology, and the third and fourth a natural alliance with the social sciences. The student should keep these alliances in mind when he chooses elective courses. Students may specialize in these fields, or may elect a broad program combining work in both geography and geology.

High-school students planning to major in geology or geography at the University are advised to include in their high-school course work in: algebra, plane geometry, trigonometry, geography, science (physics, chemistry, or general science).

Major Curriculum in Geography. The following courses are required for an undergraduate major in geography:

Lower Division—Regional Economic Geography (Geog 201, 202, 203); Climatology (Geog 215); Field Geography (Geog 221); Cartography (Geog 219, 220).

Upper Division—Geomorphology (Geog 316); Geography of the Pacific Northwest (Geog 323, 324, 325); Political Geography (Geog 320); Urban Geography (Geog 435); at least two regional continental courses and one seminar.

Major Curriculum in Geology. The following courses are required for an undergraduate major in geology:

Lower Division—General Geology (Geol 101, 102, 103); Mathematics (Mth 100, 105, 106); General Chemistry (Ch 201, 202, 203); General Physics (Ph 201, 202, 203); Principles of Economics (Ec 201, 202, 203).

Upper Division—Mineralogy (Geol 312, 313, 314); Geomorphology (Geog 316); Introduction to Field Geology (Geol 391); Structural Geology (Geol 421); Introduction to Palaeontology (Geol 381, 382, 383); Stratigraphy (Geol 393); Economic Geology (Geol 411, 412, 413); Petrology and Petrography (Geol 414); Advanced Field Geology (Geol 406); Seminar (Geol 507).

Major Curriculum in Geography and Geology. The requirements for a combined major in geography and geology are:

Lower Division—Introductory Geography (Geog 105, 106, 107) or Regional Economic Geography (Geog 201, 202, 203); General Geology (Geol 101, 102, 103).

Upper Division—A minimum of two upper-division year sequences in geography and two upper-division year sequences in geology.

Graduate Study. Candidates for a master's degree with a major in geology are required to take advanced courses in the three fields of economic geology, petrology, and palaeontology. Suggested minor fields are: chemistry, physics, biology, or mathematics.

Graduate work leading to a master's degree in geography is offered in three fields of specialization: physical geography, economic geography, and regional geography.

Facilities. The department has laboratory facilities for work in cartography, mineralogy, palaeontology, and petrography, including equipment for the making of thin sections. Working collections of maps, ores, minerals, rocks, and fossils are available for student use. The Condon Museum of Geology contains excellent collections of rocks, minerals, and vertebrate fossils from the John Day Valley. Oregon is especially rich in field material for both geology and geography.

Geography

LOWER-DIVISION COURSES

Geog 105, 106, 107. **Introductory Geography.** 4 hours each term.

A general introduction to the field of geography, in sequence as follows: Geog 105, physical elements; Geog 106, earth resources; Geog 107, cultural elements. 3 lectures; 1 two-hour laboratory period.

Geog 201, 202, 203. **Regional Economic Geography.** 3 hours each term.

A study of the major types of production and their geographic background.

Geog 215. **Climatology.** 3 hours.

The elements of weather and climate; intensive study and comparison of climates of the earth, based on Köppen, Thornthwaite, and human-use classifications.

Geog 219, 220. **Cartography.** 3 hours each term, fall and winter.

Study and practice of map making and map projection. Use of aerial photographs. Comparative study of different types used in the United States and in other countries.

Geog 221. **Field Geography.** 2 or 3 hours spring.

Intensive study of a limited area near Eugene; elementary map making and studies of economic and human geography. Prerequisite: Geog 219, 220.

UPPER-DIVISION COURSES

Geog 316. **Geomorphology.** 3 hours.

Systematic study of land forms in their relation to the cultural landscape. Prerequisite: Geog 105, 106, 107 or Geol 101, 102, 103. Stovall.

Geog 317. **Geomorphology of the United States.** 3 hours.

Continuation of Geog 316. Detailed study of the geomorphology of the United States. Stovall.

Geog 320. **Political Geography.** 3 hours spring.

Geopolitical principles; boundaries and aspirations of nations as they grow out of natural regional settings. The strategy of men, lands and raw materials, colonies, migration, foreign-trade relations. Ericksen.

Geog 323, 324, 325. **Geography of the Pacific Northwest.** 3 hours each term.

A study of the land forms, climates, population, resources, products, and lines of communication of the Pacific Northwest. Fall: Oregon; winter: northern California, northern Nevada, Idaho, and western Montana; spring: Washington, British Columbia, and Alaska.

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

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

Geog 406. **Advanced Field Geography.** (G) Hours to be arranged.

Field techniques in geography, applied to special areas and problems. Dicken.

Geog 426. **Geography of Europe.** (G) 3 hours.

Some of the special problems of Europe today studied in light of the geographic background of the continent. Prerequisite: Geog 105, 106, 107 or Geog 201, 202, 203. Dicken.

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

Regional geography of the Soviet Union; its resources, peoples, and world position. Prerequisite: Geog 105, 106, 107 or Geog 201, 202, 203. Ericksen.

Geog 428. **Geography of the Pacific.** (G) 3 hours.

Physical geography and natural resources of the Pacific region; social economic, and political problems related to the geography of the region. Prerequisite: Geog 105, 106, 107 or Geog 201, 202, 203. Ericksen.

Geog 429. **Geography of North America.** (G) 3 hours.

Regional geography of the continent north of the Rio Grande. Prerequisite: Geog 105, 106, 107 or Geog 201, 202, 203. Stovall.

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

Physical, economic, and human geography of the continent. Prerequisite: Geog 105, 106, 107 or Geog 201, 202, 203. Stovall.

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

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

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

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

Geog 433. **Geography of Middle America.** (G) 3 hours.

Regional geography of Mexico, Central America, and the islands of the Caribbean. Prerequisite: Geog 105, 106, 107 or Geog 201, 202, 203. Stovall.

Geog 435. Urban Geography. (G) 3 hours.

World distribution of great cities; urban patterns, forms, and functions; systems of urban land classification; forces affecting urban land use; geographic aspects of city planning. Prerequisite: Geog 201, 202, 203; Geog 219. Ericksen.

GRADUATE COURSES

Courses numbered 400-499 and designated (G) may be taken for graduate credit.

Geog 501. Research. Hours to be arranged.**Geog 503. Thesis.** Hours to be arranged.**Geog 505. Reading and Conference.** Hours to be arranged.**Geog 507. Seminar.** Hours to be arranged.

Principles of Geography.
Periodical Literature.
Historical Geography.
History of Geography.

Geology

LOWER-DIVISION COURSES

Geol 101, 102, 103. General Geology. 4 hours each term.

Processes of nature affecting the surface of the earth; formation of economic geologic deposits; the main events in the history of the earth. Lectures, laboratory, and field trips.

Geol 290. Introduction to the Geology of Oregon. 3 hours.

Lectures, assigned reading, and field trips, to acquaint the student with some of the salient features of the geology of the state. Prerequisite: Geol 101, 102, 103. Baldwin.

Geol 291. Rocks and Minerals. 3 hours.

A study of the common minerals and rocks; origin, lore, and properties of precious, semiprecious, and ornamental stones; economically important rocks and minerals. 2 lectures; 1 three-hour laboratory period. Staples.

Geol 292. Elementary Areal Geology. 3 hours.

A study of regional geology primarily for nonmajors; areal distribution of sedimentary, igneous, and metamorphic rocks in Oregon. Field studies of selected areas emphasizing the relationships between rock type, structure, and topography. Prerequisite: Geol 101, 102, 103. 1 lecture, 6 hours field work. Gair.

UPPER-DIVISION COURSES

Geol 312, 313, 314. Mineralogy. 4 hours each term.

Methods used in determinative mineralogy; crystallographic studies; occurrence and properties of some of the important minerals; optical mineralogy. 2 lectures; 2 laboratory periods. Prerequisite: Ch 201, 202, 203; Geol 101, 102, 103. Staples.

Geol 321, 322, 323. Geologic History of Life. 3 hours each term.

Fall: origins and early history of life, as revealed by the fossil remains of animals and plants; winter: geologic history of vertebrates; spring: geologic history of the Primates. Baldwin.

Geol 381, 382, 383. Introduction to Palaeontology. 3 hours each term.

Elementary study of representative forms of extinct animals, principally from

several phyla of the invertebrates and vertebrates. Prerequisite: Geol 103. Baldwin.

Geol 391. Introduction to Field Geology. 3 hours any term.

Elementary topographic mapping; use of field instruments; geological mapping of a small selected area near Eugene. Gair.

Geol 393. Stratigraphy. 3 hours.

Genesis and subsequent history of stratified rocks; sedimentation, induration, weathering; the methods of correlation of such formations. Essential for students in archaeology. Prerequisite: Geol 101, 102, 103. Baldwin.

Geol 405. Reading and Conference. Hours to be arranged.**Geol 406. Advanced Field Geology.** Hours to be arranged.**Geol 411, 412, 413. Economic Geology.** (G) 3 hours each term.

The general principles of the formation of metallic and nonmetallic economic geologic deposits; principal economic deposits, domestic and foreign. 2 lectures; 1 laboratory period. Prerequisite: Geol 312, 313, 314. Staples.

Geol 414, 415, 416. Petrology and Petrography. (G) 4 hours each term.

Study of rocks and their alteration products; use of the petrographic microscope. 2 lectures; 2 laboratory periods. Prerequisite: Geol 312, 313, 314; Ph 101, 102, 103 or Ph 201, 202, 203. Gair.

Geol 421. Structural Geology. (g) 3 hours.

Origin, interpretation, and mapping of minor rock structures and of major structures such as faults and folds. 3 lectures. Prerequisite: Geol 101, 102, 103; Ph 101, 102, 103 or Ph 201, 202, 203. Baldwin.

Geol 451, 452. Pacific Coast Geology. (G) 3 hours each term.

Advanced study of the general geology of the west coast of the United States and Canada from Alaska to southern California; special problems of the region. Prerequisite: Geol 101, 102, 103; senior or graduate standing.

Geol 454, 455. Pacific Basin Geology. (G) 3 hours each term.

General survey of the geology of the Pacific Basin, with some consideration of the special problems of individual regions. Prerequisite: Geol 101, 102, 103; senior or graduate standing.

GRADUATE COURSES

Courses numbered 400-499 and designated (G) or (g) may be taken for graduate credit.

Geol 501. Research. Hours to be arranged.**Geol 503. Thesis.** Hours to be arranged.**Geol 505. Reading and Conference.** Hours to be arranged.**Geol 506. Advanced Field Geology.** Hours to be arranged.**Geol 507. Seminar.** Hours to be arranged.

Periodical Literature.
Founders of Geology.
Geologic Problems.
Regional Geologic Studies.
Classical Geologic Treatises.

Geol 511, 512, 513. Advanced Microscopy. 4 hours each term.

Designed to familiarize the student with microscopic technique in connection with immersion methods, polished sections, heavy mineral residues, and microchemical mineral determination. 2 lectures; 2 laboratory periods. Prerequisite: Geol 314. Staples.

- Geol 514, 515, 516. **Advanced Petrology and Petrography.** 3 hours each term.
Systems of rock classification. Studies of suites illustrating special petrographic problems. Prerequisite: Geol 414, 415, 416. Gair.
- Geol 520. **Advanced Economic Geology.** 3 hours.
Emphasis on theories of the origin of mineral deposits; study of examples illustrating general principles. Student reports on selected types of deposits. Review of current literature. Prerequisite: Geol 411, 412, 413. Staples.
- Geol 531, 532, 533. **Advanced Palaeontology.** 3 hours each term.
Methods of collecting, preparing, and identifying faunas; emphasis on taxonomy and palaeoecology. Prerequisite: Geol 381, 382, 383. Baldwin.

Department of History

Professors: D. E. CLARK (department head),* QUIRINUS BREEN, ANDREW FISH (emeritus), GORDON WRIGHT.†

Associate Professors: P. S. DULL, E. S. POMEROY.

Assistant Professors: R. W. SMITH, L. R. SORENSON, J. F. WEIR.

Instructors: E. R. BINGHAM, C. F. DELZELL.

Associates: MABEL McCLAIN (emeritus), LANCASTER POLLARD.

Fellows: H. D. CARLIN, W. D. FARNHAM, R. L. TYLER.

Assistants: J. M. BURKE, R. S. CRAMER, K. A. LeBEAU, N. M. MALOUF.

THE curriculum of the Department of History includes a comprehensive program of elementary and advanced courses in United States, European, English, Oriental, and Latin American history. The department's course offerings are planned to provide not only intensive instruction in special fields for majors in history but also background or foundational studies for students majoring in other departments.

Requirements for the Bachelor's Degree. For a bachelor's degree with a major in history a student must complete a minimum of 36 term hours in history (of which 24 must be upper division), including: History of Western Civilization (Hst 101, 102, 103); a year sequence (9 hours) in United States history. A seminar in historical method is recommended for seniors who definitely plan to do graduate work. Students planning to teach history in the secondary schools should consult the School of Education in regard to the requirements for a high-school teacher's certificate and the subject-preparation requirement in social science.

Graduate Degrees. The department offers graduate work toward the masters degree in a wide variety of fields. Work toward the degree of Doctor of Philosophy is offered in a limited number of fields.

LOWER-DIVISION COURSES

- Hst 101, 102, 103. **History of Western Civilization.** 3 hours each term.
Origins and development of Western civilization from ancient times to the present. Sorenson, Bingham.

* Retirement effective June 30, 1951.

† On sabbatical leave 1950-51.

- Hst 201, 202, 203. **History of the United States.** 3 hours each term.
From colonial times to the present day. Bingham, Carlin, Pomeroy, Weir.
- Hst 207, 208, 209. **English History.** 3 hours each term.
A general survey, covering political, economic, social, intellectual, and religious developments. Smith.

UPPER-DIVISION COURSES

- Hst 341, 342, 343. **Europe since 1815.** 3 hours each term.
Political, social, economic, and cultural trends from the fall of Napoleon to the present. Fall: 1815 to 1890; winter 1890 to 1929; spring: 1929 to the present. Wright.
- Hst 350, 351, 352. **Hispanic America.** 3 hours each term.
From the establishment of the Spanish empire to the present; necessary background consideration of Spanish history. Weir.
- Hst 377. **Oregon History.** 2 hours any term.
Brief survey of the building of civilization in the Oregon Country. Bingham.
- Hst 391, 392, 393. **Far East in Modern Times.** 3 hours each term.
Political, economic, and diplomatic history of China, Japan, and Korea, with some attention to Asiatic Russia and the Philippines, from the middle of the nineteenth century to the present. Dull.
- Hst 394, 395, 396. **Civilizations of China and Japan.** 2 hours each term.
Origin, development, and influence of factors shaping the culture and civilization of China and Japan. Not offered 1951-52. Dull.
- Hst 403. **Thesis.** Hours to be arranged.
- Hst 405. **Reading and Conference.** Hours to be arranged.
Readings and conferences with members of the faculty. For honors students.
- Hst 411. **History of Greece.** (G) 3 hours fall.
Political and cultural history of ancient Greece. Breen.
- Hst 412, 413. **History of Rome.** (G) 3 hours each term, winter and spring.
Winter: history of Rome from its earliest beginnings to the end of the Republic; spring: the period of the Empire. Breen.
- Hst 421, 422, 423. **Middle Ages.** (G) 3 hours each term.
History of Europe from the decline of the Western Roman Empire to the Age of the Councils. Fall: to 1000 A.D.; winter: to 1200 A.D.; spring: to the Council of Constance. Breen.
- Hst 430, 431. **Renaissance.** (G) 3 hours each term, fall and winter.
The Italian phase of the Renaissance; its spread to other sections of Europe. Not offered 1951-52. Breen.
- Hst 432. **Reformation.** (G) 3 hours spring.
The disruption of the Church in Western Europe, the Counterreformation, and the religious wars. Not offered 1951-52. Breen.
- Hst 433. **Europe 1600-1789.** (G) 3 hours.
Political, economic, social, and cultural development of European states from the close of the Reformation to the French Revolution. Not offered 1951-52. Wright.
- Hst 437, 438, 439. **Economic History of Modern Europe.** (G) 3 hours each term.
European economic development and its effect upon society from the beginning

Hst 507. **Seminar.** Hours to be arranged.

European History. Breen, Wright.
 English History. Smith.
 American History. Clark, Pomeroy, Sorenson.
 History of the Pacific Northwest. Clark.
 History of the Far East. Dull.
 Historical Method. Clark.

Department of Home Economics

Professors: MABEL A. WOOD (department head), LILIAN E. TINGLE (emeritus).

Assistant Professors: FAITH JOHNSTON, FRANCES VAN VOORHIS, MARGARET J. WIESE, L. MILDRED WILSON.

LOWER-DIVISION and service courses in home economics are offered at the University. By action of the State Board of Higher Education on March 7, 1932, all major work in the Oregon State System of Higher Education leading to baccalaureate and advanced degrees in home economics was confined to the School of Home Economics at the State College, and lower-division work (instruction in the freshman and sophomore years) was assigned to both the State College and the University.

The lower-division work in home economics is essentially the same at both institutions. While it is recommended that students intending to major in home economics enter the institution at which major work is offered at the beginning of their freshman year, they may, if they wish, spend their freshman and sophomore years at the University, and transfer to the State College for their major work at the beginning of the junior year, without loss of credit and with fundamental requirements for upper-division standing fully met. University students wishing to complete the first two years of Curriculum B (technical curriculum) should have their programs carefully planned by the head of the Department of Home Economics.

At both institutions, the lower-division program is intended, not only to lay the foundation for specialization in home economics, but also to serve the needs of students majoring in other fields. In addition to lower-division work, the University offers upper-division service courses in home economics.

The Department of Home Economics occupies the entire third floor of Chapman Hall, erected in 1939. The foods and clothing laboratories are designed and equipped in accordance with the best modern standards.

LOWER-DIVISION COURSES

HEc 111, 112, 113. **Clothing Construction.** 2 hours each term.

Adaptation of patterns, fitting of garments, and the basic processes of the construction of artistic clothing. Students must have had HEc 114, 115, 116, or must take this sequence at the same time. 2 two-hour laboratory periods.

HEc 114, 115, 116. **Clothing Selection.** 1 hour each term.

Selection of clothing from the standpoints of design, textile material, hygiene, and cost for homemade and ready-made garments.

HEc 125. **Textiles.** 2 hours any term.

Textile fibers and their relation to dress and household textiles. Suggested parallel for HEc 111.

HEc 211, 212, 213. **Foods.** 3 hours each term.

Introduction to foods; selection, preparation, and serving of meals. 2 recitations; 2 two-hour laboratory periods.

HEc 222. **Family Relationships.** 2 hours any term.

Designed to give the student with no particular background in sociology or psychology an understanding of the problems and adjustments of family life. Does not satisfy any requirements in sociology.

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

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

HEc 250. **Camp Cookery.** 1 hour any term.

Fundamental principles of cookery applied to simple meals in home and camp. 1 three-hour laboratory period. Open to men only.

UPPER-DIVISION COURSES

HEc 325. **Child Care and Training.** 3 hours any term.

The growth, development, and training of the young child. No prerequisite.

HEc 331. **Home Planning and Furnishing.** 3 hours any term.

Principles involved in the planning and furnishing of a home.

HEc 339. **Household Management.** 3 hours any term.

Application of the principles of scientific management to the home; household operations and finances; family and community relationships.

HEc 340. **Purchasing Problems of the Home.** 3 hours.

Designed to provide the student with information needed as a basis for wise selection of household consumer goods; evaluation of sources of consumer information; the legal protection and responsibility of the consumer.

Department of Mathematics

Professors: A. F. MOURSUND (department head), I. M. NIVEN.

Associate Professors: PAUL CIVIN, W. J. DIXON, K. S. GHENT, T. S. PETERSON, F. E. WOOD.

Assistant Professor: F. J. MASSEY.

Instructors: I. J. CHRISTOPHER, K. G. CLEMANS, MARIE R. MASON, J. E. MAXFIELD, O. S. ROTHHAUS,* W. L. SHEPHERD, J. H. SKELTON.

Fellows: P. H. CHEO, MARGARET W. MAXFIELD.

Assistants: J. R. BORSTING, C. R. FRIESE,† A. E. LIVINGSTON, C. T. LONG, E. A. MAIER, C. R. MCALISTER, W. L. NICHOLSON, C. K. TSAO, L. J. WARREN, L. H. WEGNER.

MATHEMATICS courses at the University are designed to provide the training in rigorous thinking and analytical processes which is fundamental to a liberal education; to provide basic mathematical training for students in the social, biological, and physical sciences and in the professional schools; to prepare prospective teachers of mathematics; and to provide advanced and graduate work for students specializing in the field.

* On leave for war service.

† Resigned Nov. 22, 1950.

High-School Preparation for Major Work. Students intending to major in mathematics at the University should take high-school courses in algebra (at least one and one-half years), plane geometry, and, if possible, trigonometry and solid geometry. Majors usually begin their University work in mathematics with College Algebra (Mth 105) or Elementary Analysis I (Mth 101); if they are not prepared for these courses, they must make up their deficiencies by taking one or more of the following courses: Elements of Algebra (Mth 10), Intermediate Algebra (Mth 100), Elements of Plane and Solid Geometry (Mth 20, 21, 22). These courses may not be counted toward the satisfaction of the major requirements for a bachelor's degree. It is strongly recommended that prospective mathematics majors take as many high-school courses in science as possible.

Courses Satisfying Science Group Requirement. Any three one-term courses in mathematics numbered 100-110 will satisfy the group requirement in science. Any two of these courses, followed by the Mth 200, will also satisfy the group requirement. Mth 100 may not be taken for credit after the completion of any other course in the 100-110 group, except with the approval of the department. The courses in each of the sequences listed below are correlated to make up an integrated year's work. Majors in business administration should choose a sequence containing Mth 108.

(1) For students entering with only one year of high-school algebra: Mth 100, 105, 106; Mth 100, 105, 108.

(2) For students entering with one and one-half years of high-school algebra: Mth 101, 102, 103; Mth 101, 102, 108; Mth 105, 106, 200; Mth 105, 106, 108.

Sophomore Sequences. Any three one-term courses numbered 200-210 will satisfy the group requirement in science. Differential and Integral Calculus (Mth 201, 202, 203) is the standard sequence for students in the physical, biological, and social science.

Requirements for Bachelor's Degree. For a bachelor's degree with a major in mathematics, a student must complete 48 term hours of work in the field, including Differential and Integral Calculus (Mth 201, 202, 203) and at least 24 hours in upper-division mathematics courses.

The following courses are recommended as electives: General Physics (Ph 201, 202, 203) and other physics courses; General Chemistry (Ch 201, 202, 203); Principles of Economics (Ec 201, 202, 203); Compilation of Economic Data (Ec 483); Logic (Phl 461, 462, 463); Philosophy of Science (Phl 471, 472, 473); Constructive Accounting (BA 111, 112, 113).

Recommendations for Prospective Teachers. Students intending to teach high-school mathematics must plan their programs to include the courses required for certification (see SCHOOL OF EDUCATION). To receive the unqualified recommendation of the department, prospective mathematics teachers should also complete two terms of Differential and Integral Calculus (Mth 201, 202), Advanced Euclidean Geometry (Mth 415), and either Advanced College Algebra (Mth 314) or Theory of Equations (Mth 412). It is also recommended that, to supplement the courses listed above, the student's program include 12 additional term hours in courses selected from: Mth 108, Mth 203, and upper-division mathematics courses. Special upper-division courses in algebra, geometry, and the foundations of mathematics, offered during summer sessions, are acceptable substitutes for the upper-division mathematics courses listed above (see page 146).

Graduate Degrees. The Department of Mathematics offers graduate work leading to the Master of Arts, Master of Science, and Doctor of Philosophy degrees. Candidates for a master's degree with a major in mathematics should plan

to take a year sequence in the 511-599 group, in addition to the research and seminar work required by the Graduate School.

Candidates for the Ph.D. degree are accepted in the fields of algebra and number theory, analysis, and mathematical statistics. Students interested in work toward the doctor's degree should consult the head of the department concerning departmental requirements.

Statistics. A major option in statistical theory has been arranged for students wishing to specialize in this field. Students interested in this work should consult Dr. W. J. Dixon, associate professor of mathematics.

At the University of Oregon all basic courses in statistical theory are offered by the Department of Mathematics. The following courses in applied statistics are offered by the Department of Economics, the Department of Psychology, the School of Business Administration, and the School of Education: Mathematical Economics (Ec 480, 481); Compilation of Economic Data (Ec 483), Correlation Analysis of Economic Data (Ec 484), Research and Survey Methods in Economics (Ec 485); Psychometrics (Psy 443, 444, 445); Advanced Business Statistics (BA 433); Educational Statistics (Ed 515, 516, 517). Mth 425, 426 or equivalent is a prerequisite for all of these courses except Ed 515, 516, 517. A major option in applied statistics, with special emphasis on application to economic and business problems, is offered by the Department of Economics (see page 109).

Through the cooperation of the several schools and departments offering work in statistics, a Statistical Laboratory, equipped with electric and hand-operated calculating machines, is maintained in Emerald Hall. The facilities of the laboratory and the advice of laboratory assistants are available to all students whose work involves statistics.

Computational Service. The Department of Mathematics provides a computational service for University schools, departments, faculty members, and graduate students who need assistance or advice in connection with statistical or other mathematical problems. No charge is made for this service, except for long computations, which are performed by competent students at standard rates set by the department.

LOWER-DIVISION COURSES

Mth 10. Elements of Algebra. 3 hours.

For students entering with less than one year of elementary algebra. Open to others only on recommendation of the department. May not be taken for credit after completion of other courses in college mathematics. 4 recitations.

Mth 20, 21, 22. Elements of Plane and Solid Geometry. 2 hours each term.

For students entering with less than one year of high-school geometry. Students having credit for plane geometry but not for solid geometry enter the third term.

Mth 100. Intermediate Algebra. 4 hours.

Prerequisite: one year of high-school algebra.

Mth 101, 102, 103. Elementary Analysis I, II, III. 4 hours each term.

Algebra, trigonometry, plane and solid analytical geometry, introduction to the simple notions of the calculus. Prerequisite: one and one-half years of high-school algebra; high-school trigonometry.

Mth 105. College Algebra. 4 hours.

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

Mth 106. Plane Trigonometry. 4 hours.

Prerequisite: Mth 105.

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 200. Analytical Geometry. 4 hours.

Prerequisite: college algebra and plane trigonometry, or Mth 101, 102.

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

Standard sequence for students of physical, biological, and social sciences. Prerequisite: Mth 200 or Mth 101, 102, 103.

Mth 230. Spherical Trigonometry and Elements of Navigation. 3 hours.

Spherical trigonometry and application of plane and spherical trigonometry to navigation. Prerequisite: plane trigonometry, consent of instructor.

UPPER-DIVISION COURSES

Mth 311. History of Mathematics. 3 hours.

Ancient, mediaeval, and modern mathematics; emphasis on the great human interest of this most ancient and most modern of the sciences. Prerequisite: one year of college mathematics. Wood.

Mth 313. Calculus. 4 hours.

Applications of differential and integral calculus. Prerequisite: Mth 201, 202 and junior standing. Ghent, Wood.

Mth 314. Advanced College Algebra. 3 hours.

An extension of the work in algebra given in freshman mathematics. Prerequisite: one year of college mathematics. Ghent, Niven.

Mth 316. Solid Analytical Geometry. 3 hours.

An analytical treatment of curves and surfaces in three-dimensional space. Prerequisite: calculus or Mth 314. Ghent, Wood.

Mth 341. Mathematics of Life Insurance. 3 hours.

A mathematical treatment of the theory of life-insurance and annuity premiums and reserves. Prerequisite: Mth 108, consent of instructor. Civin.

Mth 403. Thesis. Hours to be arranged.**Mth 405. Reading and Conference.** Hours to be arranged.**Mth 411. Number Theory.** (G) 3 hours.

Congruences, Diophantine equations, quadratic residues, the Fermat-Euler theorem. Prerequisite: calculus or Mth 314. Ghent, Niven.

Mth 412. Theory of Equations. (g) 3 hours.

Methods of solution of algebraic equations and related topics. Prerequisite: calculus. Ghent, Niven.

Mth 413, 414. Higher Algebra. (G) 3 hours each term.

Basic concepts of algebra, matrices, linear transformations, quadratic forms. Prerequisite: calculus and Mth 412, or consent of instructor. Ghent, Niven.

Mth 415. Advanced Euclidean Geometry. (G) 3 hours.

Modern developments in geometry based on the plane geometry of Euclid, dealing with the geometry of triangles and circles. Prerequisite: calculus or consent of instructor. Moursund, Wood.

Mth 416, 417. Projective Geometry. (G) 3 hours each term.

Elements of synthetic and analytical projective geometry. Prerequisite: calculus. Wood.

Mth 421, 422, 423. Introduction to Applied Mathematics. (G) 3 hours each term.

Fundamental concepts of differential equations, Fourier series, vector analysis, complex variables, probability, and numerical analysis, with applications to the physical sciences. Prerequisite: calculus. Peterson.

Mth 425, 426, 427. Elements of Statistical Methods. (g) 3 hours each term.

A basic course in statistical analysis. Presentation of data; sampling theory; tests of significance; analysis of variance and covariance; regression and correlation; sequential analysis; design of experiments; distribution-free techniques. Prerequisite: one year of high-school algebra; junior standing or consent of instructor. Dixon, Massey.

Mth 431, 432, 433. Advanced Calculus. (G) 3 hours each term.

A rigorous treatment of the elements of the calculus, including such advanced topics as line integrals, elliptic integrals, Green's theorem, and allied topics. Prerequisite: calculus. Civin, Moursund.

Mth 447, 448, 449. Mathematical Statistics. (G) 3 hours each term.

Development of distribution theory from the theory of probability. Derivation of sampling distributions. Introduction to theory of statistical estimation and inference. Prerequisite: calculus; Mth 425, 426. Dixon, Massey.

GRADUATE COURSES

Courses numbered 400-499 and designated (G) or (g) may be taken for graduate credit.

Mth 501. Research. Hours to be arranged.**Mth 503. Thesis.** Hours to be arranged.**Mth 505. Reading and Conference.** Hours to be arranged.**Mth 507. Seminar.** Hours to be arranged.

Algebra and Number Theory. Ghent, Niven.
Applied Mathematics. Peterson.
Differential Geometry. Wood.
Fourier Series and Summability. Civin, Moursund.
Integral Equations. Peterson.
Probability and Statistics. Dixon, Massey.
Topology. Civin.

Mth 521, 522, 523. Advanced Differential Equations. 3 hours each term.

Ordinary and partial linear differential equations and boundary value problems, with applications. Peterson.

Mth 533, 534, 535. Fourier Series. 3 hours each term.

Elements of the theory of convergence and summability of Fourier series. Civin, Moursund.

Mth 541, 542, 543. Abstract Algebra. 3 hours each term.

Group theory, fields, Galois theory, algebraic numbers, matrices, rings, ideals. Ghent, Niven.

Mth 551, 552, 553. Functions of a Real Variable. 3 hours each term.

Number, sets and functions, convergence, continuity and the derivative, primitives, limits and higher derivatives, Riemann and Lebesgue integrals, series. Civin, Moursund.

Mth 554, 555, 556. Functions of a Complex Variable. 3 hours each term.

Complex numbers, analytical functions, differentiation and integration, mapping, linear fractional transformations, infinite series, general properties of single- and multiple-valued functions. Civin, Moursund.

Mth 571, 572, 573. **Topology.** 3 hours each term.

Topological spaces, metrizable, continuous transformations, mapping theorems, cyclic element theory, Jordan curve theorem, semicontinuous collections. Civin.

Mth 581, 582, 583. **Theory of Estimation and Testing Hypotheses.** 3 hours each term.

General theory of estimation and of testing hypotheses; mathematical theory of design of experiments; theory and application of sequential analysis. Massey.

Mth 591, 592, 593. **Advanced Mathematical Statistics.** 3 hours each term.

Distribution and sampling theory; estimation; tests of hypotheses; regression; analysis of variance; combinatorial theory; multivariate analysis. Dixon, Massey.

COURSES OFFERED ONLY IN SUMMER SESSIONS

Mth 479. **Algebra.** (g) 3 hours.

Mth 489. **Geometry.** (g) 3 hours.

Mth 499. **Foundations of Mathematics.** (g) 3 hours.

Mth 579. **Algebra.** 3 hours.

Mth 589. **Geometry.** 3 hours.

Mth 599. **Foundations of Mathematics.** 3 hours.

Department of Nursing Education

Professor: HENRIETTA DOLTZ (director of department).

Assistant Professor: OLIVE A. SLOCUM.

THE University offers on the campus in Eugene: (1) a prenursing curriculum in preparation for professional work in basic nursing at the University of Oregon Medical School in Portland; and (2) work in liberal arts and sciences required as a part of the Medical School's degree curricula for graduate nurses. For the prenursing curriculum, see page 96. For the programs for graduate nurses, see the published announcements of the Department of Nursing Education.

LOWER-DIVISION COURSES

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. Slocum.

Nur 230. **Home Nursing.** 2 hours.

Home care of the sick; demonstration of ordinary nursing techniques under home conditions; improvising equipment. Designed primarily for students who are not preparing for professional nursing. 1 lecture; 3 hours laboratory. Slocum.

UPPER-DIVISION COURSES

Nur 311, 312, 313. **Modern Nursing Problems.** 1 or 2 hours each term.

Aims and problems of nursing at home and abroad. Open only to registered nurses. Slocum.

Department of Philosophy

Professor: ALBUREY CASTELL (department head), H. N. WIEMAN.

Associate Professor: B. E. JESSUP.

Assistant Professor: ARTHUR PAP.

Instructor: R. A. STRAIN.

Assistants: L. R. GEISELMAN, P. B. SHEPARD.

THE lower-division courses in philosophy are designed for students who desire a brief introductory survey. The upper-division courses provide a more intensive study of selected philosophical problems. The department offers a major program leading to the Bachelor of Arts or Bachelor of Science degree. History of Philosophy (Phl 411, 412, 413) is required of all majors.

Students may satisfy the social-science group requirement with any three of the four courses, Phl 201, Phl 202, Phl 203, Phl 204; these courses may be taken in any order.

LOWER-DIVISION COURSES

Phl 201. **Elementary Logic.** 3 hours.

An introduction to the study of reasoning. How to recognize, analyze, criticize, and construct the main types of argument and proof.

Phl 202. **Problems of Philosophy.** 3 hours.

An introduction to the study of some of the persistent problems of philosophy.

Phl 203. **Elementary Ethics.** 3 hours.

An introduction to the philosophical study of morality, e.g., right and wrong, free will and determinism, morals and society, etc.

Phl 204. **Elementary Aesthetics.** 3 hours.

An elementary study of aesthetic fact and value, and of the relation of aesthetic interest to other human interests, such as the moral, the intellectual, and the religious. Jessup.

UPPER-DIVISION COURSES

Phl 311, 312, 313. **Ethical and Political Theory.** 3 hours each term.

Moral judgment and moral theory. Institutions as embodiments of moral ideas. The legislative way of life in modern times. Castell.

Phl 322. **Philosophy of Mind.** 2 hours.

Analysis of basic concepts of psychology, such as "mind," "unconscious desire," etc.; discussion of theories of mind, the mind-body problem, and methodological issues in psychology. Planned especially for psychology majors. Pap.

Phl 323. **Introduction to Semantics.** 2 hours.

Current theories of linguistic meaning. Implications of semantic principles for philosophy, science, and religion. Critical examination of the popular claims of "general semantics." Pap.

Phl 331, 332, 333. **Contemporary Philosophy.** 2 hours each term.

Some common phases of recent philosophical theory. No prerequisites, but not open to lower-division students. Jessup.

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

For students who have had previous study of philosophy.

Phl 407. **Undergraduate Seminar.** Hours to be arranged.

For students who have had previous study of philosophy.

- Phl 411, 412, 413. **History of Philosophy.** (g) 3 hours each term.
Survey of European philosophy from Socrates to the present. Castell.
- Phl 421, 422. **Philosophy in America.** (g) 3 hours each term.
Survey of philosophical history in America from colonial times to the present. Puritanism, transcendentalism, idealism, pragmatism, and realism. Castell.
- Phl 431, 432, 433. **Philosophy and Literature.** (G) 2 hours each term.
The philosophical backgrounds of the literature of modern Europe and America. Jessup.
- Phl 441, 442, 443. **Aesthetics.** (G) 3 hours each term.
Major theories of beauty and the aesthetic experience—ancient, mediaeval, renaissance, modern, and contemporary. Prerequisite: consent of instructor. Jessup.
- Phl 451, 452, 453. **Development of Scientific Thought.** (g) 2 hours each term.
Analysis of selected writings of some great scientists, such as Galileo and Newton, with emphasis on scientific method. Prerequisite: at least one year of college science or mathematics. Pap.
- Phl 461, 462, 463. **Logic.** (G) 2 hours each term.
Elements of modern, symbolic logic. Fall and winter: formal methods of determining logical validity and consistency. Spring: probability and induction.
- Phl 471, 472, 473. **Philosophy of Science.** (G) 3 hours each term.
Analysis of basic concepts of science, such as "explanation," "chance," "causation," etc. Nature of mathematics and its relation to empirical science. Emphasis in the spring term on methodological and value problems in social science. Pap.

GRADUATE COURSES

Courses numbered 400-499 and designated (G) or (g) may be taken for graduate credit.

- Phl 503. **Thesis.** Hours to be arranged.
- Phl 505. **Reading and Conference.** Hours to be arranged.
- Phl 507. **Seminar.** Hours to be arranged.

Department of Physics

Professors: R. T. ELLICKSON (department head), A. E. CASWELL (emeritus), W. V. NORRIS.

Associate Professors: S. Y. CH'EN, E. G. EBBIGHAUSEN.

Assistant Professors: F. E. DART, G. D. HOYT.

Fellows: E. D. CLAYTON, C. C. HUDSON, E. B. NEHER,* R. S. PAUL.

Assistants: SAM ADLER, D. W. BERRIMAN, R. W. KAVANAUGH, JR., J. H. LEWIS, I. E. LINDSTROM, V. L. LONG, J. T. NELSON, T. J. WISNIEWSKI, NOBUYUKI YOKOGAWA.

COURSES offered by the Department of Physics are planned to provide basic training for (1) professional physics majors, (2) persons desiring a broad liberal-arts education centered around a major in physics, (3) major students in other science fields, (4) premedical students, and (5) students planning to teach the physical sciences in the secondary schools. The major requirements for a bachelor's degree in physics are:

* Resigned Feb. 10, 1951.

Freshman Year. General Physics (Ph 201, 202, 203); College Algebra (Mth 105), Plane Trigonometry (Mth 106), Analytical Geometry (Mth 200), or equivalent.

Sophomore Year. Analytical Mechanics (Ph 311, 312, 313); Differential and Integral Calculus (Mth 201, 202, 203); General Chemistry (Ch 201, 202, 203).

Junior and Senior Years. Electricity and Electronics (Ph 431, 432, 433); and three additional sequences chosen from the following: Modern Physics (Ph 411, 412, 413); Advanced Optics (Ph 441, 442, 443); Thermodynamics and Chemical Physics (Ph 471, 472, 473); Applied Mathematics (Mth 421, 422, 423); Physical Chemistry (Ch 440, 441, 442).

Students planning to teach in the secondary schools must take General Psychology and required courses in education (see SCHOOL OF EDUCATION).

Advanced Degrees. The Department of Physics offers graduate work leading to the degrees of Master of Arts, Master of Science, and Doctor of Philosophy.

Course requirements for a master's degree with a major in physics normally include, in addition to the substantial equivalent of the undergraduate requirements listed above: two year sequences in physics, at least one of which must be a 500 sequence; a year sequence in advanced chemistry; one of the following sequences in mathematics: Advanced Calculus (Mth 431, 432, 433); Introduction to Applied Mathematics (Mth 421, 422, 423); seminar in applied mathematics (Mth 507); or Functions of a Complex Variable (Mth 554, 555, 556).

The department is prepared to accept candidates for the doctor's degree in the fields of electronics, nuclear physics, physics of solids, and spectroscopy.

LOWER-DIVISION COURSES

- Ph 101, 102, 103. **Essentials of Physics.** 3 hours each term.
Fundamental principles of physics, intended for students not majoring in science; requires less mathematical preparation than Ph 201, 202, 203. Prerequisite: Mth 10. 2 lectures; 1 three-hour laboratory period. Ellickson.
- Ph 161. **Rudiments of Photography.** 2 hours.
Intended for students interested in photography as an avocation. No prerequisite. 1 lecture; 1 three-hour laboratory period. Ch'en.
- Ph 201, 202, 203. **General Physics.** 4 or 5 hours each term.
Standard first-year college physics. Prerequisite: mathematics equivalent of Mth 105, 106 or consent of instructor. 3 or 4 lectures and recitations; 1 three-hour laboratory period. Norris.
- Ph 207. **Elementary Meteorology.** 3 hours.
Elementary treatment of weather phenomena. 2 lectures; 1 laboratory period. Ebbighausen.
- Ph 208, 209. **Descriptive Astronomy.** 3 hours each term.
Descriptive treatment of the more important facts relating to the heavenly bodies. First term: the solar system; second term: the stellar system. 2 lectures; 1 observation or laboratory period. Ebbighausen.

UPPER-DIVISION COURSES

Unless an exception is noted in the course description, general physics and calculus are prerequisite to all advanced and graduate courses.

- Ph 311, 312, 313. **Analytical Mechanics.** 3 hours each term.
Statics, dynamics of a particle, dynamics of rigid bodies. Prerequisite: Ph 201, 202, 203; must be preceded by or accompanied by calculus. 3 lectures. Hoyt.

- Ph 314, 315, 316. **Physical Measurements.** 1 or 2 hours each term.
A laboratory course open only to physics majors. Students carry out experiments of their own choice from the fields of mechanics, heat, electricity, and optics. 1 or 2 three-hour laboratory periods.
- Ph 369, 370, 371. **Architectural Physics.** 1 hour each term.
Physical principles involved in heating, ventilation, illumination, acoustics, etc. Prerequisite: one year of college physics. Norris.
- Ph 411, 412, 413. **Modern Physics.** (G) 3 hours each term.
Atomic and molecular physics: introduction to nuclear physics; physics of solids. Prerequisite: Ph 201, 202, 203; must be preceded by or accompanied by calculus. 3 lectures. Ebbighausen.
- Ph 431, 432, 433. **Electricity and Electronics.** (g) 4 hours each term.
Electrostatics; electrolytics; d-c and a-c currents; electromagnetism; electronics; circuit theory; ultra-high frequencies; high-voltage generators; elementary electric particles. 3 lectures; 1 three-hour laboratory period. Dart.
- Ph 441, 442, 443. **Advanced Optics.** (G) 4 hours each term.
Theory of optical images, aberration, effects of apertures, optical instruments, interference, diffraction, polarization, double refraction, optical activity, dispersion, absorption, scattering, theory of reflection, radiation by solids, molecules, atoms, and atomic nuclei, magneto- and electro-optics. Ch'en.
- Ph 451, 452, 453. **Thermodynamics and Chemical Physics.** (G) 3 hours each term.
Thermodynamics, statistical mechanics, kinetic theory; applications to gases, liquids, solids, atoms, molecules, and the structure of matter. Hoyt.
- Ph 461, 462, 463. **Introduction to Biophysics.** (g) 3 hours each term.
Physical methods and techniques used in biological and biochemical research; biophysical characteristics of the eye, ear, structures, and membranes; nerve conduction. Prerequisite: Ph 203; Bi 491, Bi 492, 493. 2 lectures; 1 three-hour laboratory period. Dart.
- Ph 471, 472, 473. **Introduction to Theoretical Physics.** (G) 3 hours each term.
Intended to serve as a foundation for more advanced theoretical courses. Major emphasis on basic problems in mechanics, electro-magnetic theory, and quantum mechanics. Ellickson.

GRADUATE COURSES

Courses numbered 400-499 and designated (G) or (g) may be taken for graduate credit.

- Ph 501. **Research.** Hours to be arranged.
- Ph 503. **Thesis.** Hours to be arranged.
- Ph 505. **Reading and Conference.** Hours to be arranged.
- Ph 507. **Seminar.** Hours to be arranged.
Current Periodical Literature.
Theory of Relativity.
Quantum Theory of Radiation.
Physics of Solids.
- Ph 511, 512, 513. **Theoretical Mechanics.** 3 hours each term.
Lagrange's equations; Hamilton's principle and equations; potential theory; applications to gravitation, hydrodynamics, and theory of elasticity. 3 lectures.
- Ph 516, 517, 518. **Advanced Physical Measurements.** 1 or 2 hours each term.
Laboratory work, open only to physics majors. Development of experimental techniques in such fields as high vacua, interferometry, electronics, nuclear

- physics and radio-activity, and X-ray diffraction and absorption. 1 or 2 three-hour laboratory periods.
- Ph 521, 522, 523. **Theory of Electricity and Magnetism.** 3 hours each term.
Electrostatics, magnetostatics; dia-, para-, and ferromagnetism; electromagnetic fields; electromagnetic induction; Maxwell's equations; propagation of waves; diffraction; dispersion; electro- and magneto-optics. 3 lectures. Hoyt.
- Ph 531, 532, 533. **Quantum Mechanics.** 3 hours each term.
Mathematical theories of the structures of molecules, atoms, and atomic nuclei, and their interactions with one another and with radiation. Quantum laws of radiation and relativistic quantum mechanics. 3 lectures. Ellickson.
- Ph 541, 542, 543. **Nuclear Physics and Cosmic Radiation.** 3 hours each term.
Fundamental experimental evidences of nuclear structure; natural and artificial radioactivities; relation of nuclear physics to cosmic radiation; nuclear forces. 3 lectures. Ebbighausen.
- Ph 551, 552. **Atomic Spectra and Atomic Structure.** 3 hours each term.
Relation of observed spectra to atomic theory; quantum mechanical model, electronic structure, spectral terms, Zeeman and Paschen-Back effects, Stark effect, Pauli exclusion principle, complex spectra, hyperfine structure, the broadening of spectral lines. Ch'en.
- Ph 553. **Principles of Spectrochemical Analysis.** 3 hours.
Methods of excitation, qualitative analysis, photographic photometry; methods of quantitative analysis, analysis by absorption spectra; practical applications to various fields of industry and research. 2 lectures, 1 three-hour laboratory period. Ch'en.
- Ph 561, 562. **Molecular Spectra and Molecular Structure.** 3 hours each term.
Production of molecular spectra, energy levels of diatomic molecules, structure of rotation and vibration bands, electronic states and electronic bands, infra-red and Raman spectra, energy of dissociation, spectra and structure of polyatomic molecules. Ch'en.
- Ph 563. **Experimental Spectroscopy.** 2 hours.
Spectroscopic instruments (prismatic and grating); flame, arc, and spark spectra of elements; analysis of series lines in atomic spectra, Zeeman effect, analysis of band spectra of diatomic molecules, absorption spectra, Raman spectra. 1 lecture, 1 three-hour laboratory period. Ch'en.

Department of Political Science

Professors: E. S. WENGERT (department head), J. D. BARNETT (emeritus), E. L. JOHNSON, G. H. SABINE,* C. P. SCHLEICHER, WALDO SCHUMACHER.

Associate Professors: P. S. DULL, HERMAN KEHRLI.

Assistant Professors: H. E. DEAN,† I. G. NAGY, V. A. OSTROM.

Lecturer: D. M. DUSHANE.

Fellows: A. D. BARRE, M. L. HAGGARD, F. W. NEUBER.

Assistant: JOHN HAKANSON.

* Appointment for spring term, 1950-51, only.

† On leave for military service.

POLITICAL SCIENCE embraces the study of government and its problems, ranging from international governmental relations to local town and city administration. Its central concern is with human efforts to reconcile the claims of public authority and individual liberty.

The courses of the Department of Political Science are designed: (1) to provide a general knowledge of government and public affairs essential to participation in a democratic society; (2) to assist in the preparation of students, both majors in the department and students specializing in other fields, for positions in public service; and (3) to prepare students for teaching and research in political science.

The introductory courses offered at the lower-division level provide two terms of study in American national government (PS 201, 202), after which the student may elect a third term's work in American state and local governments (PS 203), European governments (PS 204), or international relations (PS 205).

The upper-division course offerings fall into the following broad fields: (1) foreign and comparative governments; (2) international relations; (3) public administration; (4) American government and public law; (5) political parties and public opinion; (6) political theory. Majors in political science are required to take courses in at least three of these fields. Principles of Political Science (PS 490) is required of all majors.

The Department of Political Science offers graduate work leading to the Master of Arts or Master of Science degree. The department also offers, in cooperation with other social-science departments, a special program leading to the Ph.D. degree for students preparing for college teaching in the social sciences; these students may choose political science as their major field.

LOWER-DIVISION COURSES

PS 201, 202, 203. **American Governments.** 3 hours each term.

Fall and winter: national government. Spring: state and local governments. Ostrom, Schleicher, Schumacher, Wengert.

PS 204. **European Governments.** 3 hours winter or spring.

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. Nagy, Schumacher.

PS 205. **International Relations.** 3 hours fall or spring.

Analysis of the nature of relations among states, with particular reference to contemporary international issues; a study of motivating factors, including nationalism, imperialism, economic rivalries, quest for security, etc.; study of the problem of national sovereignty and its relation to international cooperation. Nagy, Schleicher.

UPPER-DIVISION COURSES

PS 314, 315, 316. **Problems of State and Local Government.** 3 hours each term.

A study of the major problems in the organization and function of state, county, city, and other local governments, with special attention to Oregon. Ostrom.

PS 320, 321. **World Politics.** 3 hours each term, fall and winter.

Basic principles of the modern state system; analysis of factors making for conflict and cooperation. Emphasis, during second term, on the foreign policies of the leading states, exclusive of the United States. Nagy.

PS 322. **American Diplomacy.** (G) 3 hours spring.

Contemporary foreign relations of the United States; objectives, world and

domestic factors affecting American foreign policy, governmental institutions concerned with development and execution of foreign policy, major issues and problems. Schleicher.

PS 325. **British Government.** 3 hours fall.

Organization and operation of the national government, with special attention to the relations between Parliament and the executive; local government in England. DuShane.

PS 326, 327. **Governments of Continental Europe.** 3 hours each term, winter and spring.

A study of the governments of Europe, with special attention to France, Italy, Germany, and Russia. DuShane.

PS 328. **Governments in the British Commonwealth.** 3 hours.

Special attention to the governments of Canada and Australia.

PS 329. **Governments of Latin America.** 3 hours.

Study of governmental systems and practices of the major states of Central and South America.

PS 330, 331, 332. **Far Eastern Governments and Politics.** 3 hours each term.

A study of the forms of government, internal politics, and international relations of the Far East; the foreign policy of the United States with reference to China, Korea, and Japan. Dull.

PS 391, 392, 393. **Far East in Modern Times.** 3 hours each term.

Political, economic, and diplomatic history of China, Japan, and Korea, with some attention to Asiatic Russia and the Philippines, from the middle of the nineteenth century to the present. Dull.

PS 403. **Thesis.** Hours to be arranged.

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

PS 407. **Seminar.** Hours to be arranged.

PS 411, 412. **Introduction to Public Administration.** (G) 3 hours each term, fall and winter.

Study of the organization and activities of government in carrying out public policy, with special reference to the Federal government and to the government of Oregon. Ostrom, Wengert.

PS 413. **City Administration.** (G) 3 hours spring.

A study of the operation of city government, including planning, improvements, public health and safety, public utilities, and finance. Prerequisite: PS 411, 412. Kehrl.

PS 414. **Political Parties and Election Problems.** (G) 4 hours fall.

The nature, organization, and operation of political parties; election and recall of officers; proportional representation; initiative and referendum; civil-service reform. Schumacher.

PS 415. **Public Opinion.** (G) 4 hours winter.

Study of the methods of formation and control of public opinion. Schumacher.

PS 419, 420. **International Organization.** (G) 3 hours each term, fall and winter.

A survey and analysis of the development of public international organization, with chief emphasis on the United Nations and its affiliated organizations; consideration of the leading problems of the United Nations; international administration. Schleicher.

PS 421. **International Law.** (G) 3 hours spring.

Introduction to international public law. Forces influencing its development; the nature and sources of international law; codification; the International

Court of Justice. Rules of international law respecting more important subjects. Nagy.

- PS 430, 431, 432. **European Political Theory.** (G) 3 hours each term.
Study of the leading ideas of major political theorists. Fall: from Plato to the Renaissance; winter: from the Renaissance to the French Revolution; spring: from the French Revolution to the present. Dean, Sabine, Dull.
- PS 433. **American Political Theory.** (G) 3 hours fall or spring.
The development of American political theories from early colonial days to the present.
- PS 482. **The Legislature in American Government.** (G) 3 hours fall.
Study of the work of representative lawmaking bodies in a modern technological society; how legislatures are organized and operate in the Federal and state governments. Wengert.
- PS 483. **The Executive in American Government.** (G) 3 hours spring.
Study of the executive branch in American government, with particular emphasis on the part played by the executive, and agencies attached to it, in legislative and judicial matters. Johnson.
- PS 484, 485. **The Supreme Court in American Government.** (G) 3 hours each term, winter and spring.
The part of the Supreme Court in shaping American public policy; study of leading cases and other materials. Wengert.
- PS 490. **Principles of Political Science.** (G) 3 hours spring.
A comprehensive course dealing with the principles underlying all aspects of the study of politics and administration. Designed to assist advanced political-science majors to integrate and evaluate the facts and principles presented in their previous studies in the field. Wengert.

GRADUATE COURSES

Courses numbered 400-499 and designated (G) may be taken for graduate credit.

- PS 501. **Research.** Hours to be arranged.
- PS 503. **Thesis.** Hours to be arranged.
- PS 505. **Reading and Conference.** Hours to be arranged.
- PS 507. **Seminar.** Hours to be arranged.

Department of Psychology

Professors: H. R. TAYLOR (department head), R. W. LEEPER.

Associate Professors: J. V. BERREMAN, H. R. CROSLAND, L. N. MARX, LEONA TYLER.

Assistant Professors: J. S. CARLSON, R. A. LITTMAN.

Instructors: W. R. HUBBARD, J. A. PIERCE-JONES.

Fellow: HAROLD MOLENKAMP.

Assistants: SIDNEY DEAN, GEORGE KENT, SARNOFF MEDNICK, ROMAN RHINE, HENRY VAN HOLT, EDWARD WADE.

LOWER-DIVISION courses in psychology are intended to lay a foundation for further study of the subject, to provide an understanding of the biological and psychological principles which underlie all the social sciences, and to provide a scientific approach to the understanding of the individual student's own experience and conduct.

Freshmen are not admitted to sections of General Psychology (Psy 201, 202) which begin in the fall term; they may, however, register in sections beginning in the winter term.

Freshmen who intend to major in psychology are advised to take Biological Science Survey (GS 101, 102, 103) and Intermediate Algebra (Mth 100); students whose high-school work in mathematics is deficient may need to take Elements of Algebra (Mth 10) in preparation for Mth 100.

A minimum of 9 term hours of lower-division work in psychology (including Psy 201, 202 or equivalent) is prerequisite to all upper-division courses. Not more than 12 term hours in lower-division psychology courses may be counted toward a major in the field.

To qualify for a bachelor's degree, majors in psychology must have earned a grade average of C or higher in the 36 term hours of work presented for satisfaction of the minimum major requirement.

A maximum of 6 term hours of work in upper-division courses in fields closely allied to psychology may be counted toward the satisfaction of the major requirement, if the courses are approved in advance as relevant to the student's major program.

Unless exception is granted by the department, the following courses are required of all majors: General Psychology (Psy 201, 202); Psychology of Adjustment (Psy 204) or Applied Psychology (Psy 205); General Psychology Laboratory (Psy 208, 209, 210); Individual Differences (Psy 341, 342); Individual Differences Laboratory (Psy 351, 352) or Elements of Statistical Methods (Mth 425).

The following courses are recommended for all majors: Genetic Psychology (Psy 411), Adolescence, Maturity, and Senescence (Psy 412), Abnormal Psychology (Psy 413).

Listed below are groups of courses providing basic psychological training combined with specialized vocational preparation in several fields. Majors in psychology should recognize, however, that a bachelor's degree is seldom a sufficient qualification for positions involving professional applications of psychology; completion of a program of vocational training will ordinarily require at least a year of graduate study.

College Teaching and Research. *Required:* Elements of Statistical Methods (Mth 425, 426); Abnormal Psychology (Psy 413); Advanced Laboratory (Psy 415, 416, 417) or equivalent experimental projects (Psy 401 or 403); Advanced Experimental Psychology (Psy 551, 552, 553); Systematic Psychology (Psy 521, 522, 523).

Recommended: Social Psychology (Psy 334, 335); Introduction to General Physiology (Bi 491); Physiological Foundations of Behavior (Psy 492, 493); Comparative Psychology (Psy 470, 471); History of Psychology (Psy 473, 474, 475).

Preclinical. *Required:* Psychology of Adjustment (Psy 204); Elements of Statistical Method (Mth 425, 426); Clinical Methods in Psychology (Psy 431, 432); Mental-Testing Laboratory (Psy 433, 434); Counseling Procedures (Psy 435); Character and Personality (Psy 436); Genetic Psychology (Psy 411); Adolescence, Maturity, and Senescence (Psy 412); Abnormal Psychology (Psy 413).

Recommended: Projective Techniques (Psy 437); Projective-Testing Laboratory (Psy 438); Psychometrics (Psy 443, 444, 445); Nature of Intelligence (Psy 458); Theories of Mental Organization (Psy 459); Motivation (Psy 465).

Educational Counseling and Guidance. *Required.* Psychology of Adjustment (Psy 204); Abnormal Psychology (Psy 413); Clinical Methods in Psychology (Psy 431, 432); Mental-Testing Laboratory (Psy 433, 434); Counseling Procedures (Psy 435); Industrial Psychology (Psy 462); Occupational Selection and Placement (Psy 463). (See also requirements for the Oregon special-education certificate under SCHOOL OF EDUCATION.)

Recommended: Social Psychology (Psy 334, 335); Learning (Psy 467, 468, 469); Genetic Psychology (Psy 411); Adolescence, Maturity, and Senescence (Psy 412).

Personnel Work. *Required:* Elements of Statistical Methods (Mth 425, 426); Psychometrics (Psy 443, 444, 445); Industrial Psychology (Psy 462); Occupational Selection and Placement (Psy 463); Personnel Procedures (Psy 464).

Recommended: Applied Psychology (Psy 205); Social Psychology (Psy 334, 335); Clinical Methods in Psychology (Psy 431, 432); Counseling Procedures (Psy 435); Character and Personality (Psy 436); Motivation (Psy 465).

LOWER-DIVISION COURSES

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. Crosland, Hubbard, Leeper, Littman, Marx, Molenkamp, Pierce-Jones, Taylor.

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

The nature and origins of differences in personality; means of making desired changes. Prerequisite: Psy 201, 202. Hubbard, Leeper, Littman, Molenkamp, Pierce-Jones.

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. Crosland, Marx, Taylor.

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

Introduction to experimental methods. Laboratory work coordinated with Psy 201, 202, Psy 204, Psy 205. 1 laboratory period each week. Littman.

UPPER-DIVISION COURSES

Psy 334, 335. **Social Psychology.** 3 hours each term.

Analysis of the psychological and sociological processes involved in personality formation and in various forms of group behavior. Particular attention to origin, function, ideologies, membership, and leadership. Prerequisite: Psy 201, 202 or Soc 204, 205. Berreman, Littman.

Psy 341, 342. **Individual Differences.** 2 hours each term, fall and winter.

Importance and extent of individual differences in various human traits; origin, measurements, and practical significance. Marx, Tyler.

Psy 351, 352. **Individual-Differences Laboratory.** 1 hour each term.

Collection and statistical analysis of data illustrating the more important types of comparison between individuals; the inferences which can be drawn from these data. 3 hours laboratory. Marx, Tyler.

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

Open only to students eligible to work for honors.

Psy 403. **Thesis.** Hours to be arranged.

Open only to students eligible to work for honors.

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

Open only to students eligible to work for honors.

Psy 411. **Genetic Psychology.** (G) 3 hours fall.

Growth of behavior during the prenatal period, infancy, and childhood. Development of muscular activities, perception, emotional adjustment, intelligence, language, and social behavior in childhood. Not open to students who have completed Ed 460. Marx, Pierce-Jones.

Psy 412. **Adolescence, Maturity, and Senescence.** (G) 3 hours winter.

Study of the behavior changes during pre-adolescence, adolescence, maturity, and old age. Intended to follow Psy 411. Not open to students who have completed Ed 461. Marx, Pierce-Jones.

Psy 413. **Abnormal Psychology.** (G) 3 hours spring.

Various forms of unusual behavior, including anxiety states, hysteria, hypnotic phenomena, and psychoses. Normal motives and adjustment mechanisms as they are exaggerated in the so-called neurotic person. Hubbard, Marx.

Psy 415, 416, 417. **Advanced Laboratory.** (G) 2 hours each term.

Thorough training in laboratory techniques used in the study of problems of general psychology. Littman.

Psy 431, 432. **Clinical Methods in Psychology.** (G) 2 hours each term.

Application of psychological methods to the study of the individual; survey of intelligence, achievement, special-aptitude, and personality tests; theoretical and statistical background for interpretation of test scores; training in diagnosis of actual cases. Hubbard, Tyler.

Psy 433, 434. **Mental-Testing Laboratory.** (G) 2 hours each term.

Supervised practice in the administration and scoring of individual and group intelligence tests and various tests of achievement, special aptitude, and personality. 2 two-hour laboratory periods. Hubbard, Tyler.

Psy 435. **Counseling Procedures.** (G) 3 hours.

Counseling problems of various types. Methods of interviewing for different purposes. Sources of vocational information. Diagnosis of individual cases. Evaluation of counseling programs. Prerequisite: Psy 431, 432 or equivalent. Marx, Tyler.

Psy 436. **Character and Personality.** (G) 3 hours spring.

Development, functioning, and measurement of personality in normal individuals; emphasis on the mode of operation of the social environment on personality. Prerequisite: Psy 204 or equivalent. Leeper.

Psy 437. **Projective Techniques.** (G) 3 hours.

History and theory of projective methods in the analysis of personality structure. Emphasis on the administration and interpretation of the Rorschach and thematic apperception tests. Tyler.

Psy 438. **Projective-Testing Laboratory.** (G) 2 hours.

Clinical practice in administering and interpreting selected projective tests, especially Rorschach and thematic apperception tests. 2 two-hour laboratory periods. Tyler.

Psy 443, 444, 445. **Psychometrics.** (G) 2 hours each term.

Selection and construction of test items; methods of item analysis; use of multiple regression in the construction of test batteries; problems of weighting applied to a particular project; the use of norms and systems of derived

scores; factor analysis in the construction of tests and attitude scales. Prerequisite: Mth 425, 426 or equivalent. Tyler.

- Psy 458. **Nature of Intelligence.** (G) 2 hours winter.
History and theory of intelligence testing. Individual and group testing. What such tests measure. Evaluation of the concept of "general intelligence." Prerequisite: Psy 341, 342; or Mth 425; or Ed 515. Taylor.
- Psy 459. **Theories of Mental Organization.** (G) 2 hours spring.
Methods of classifying traits. Experimental studies of "primary" abilities. Vocational significance of trait analysis. Testing proficiency and aptitudes. Prerequisite: Psy 341, 342 or Mth 425, 426. Taylor.
- Psy 461. **Psychology of Testimony.** (G) 3 hours fall.
Psychological analysis of the reliability of testimony and proof of guilt. Prerequisite: junior standing. Crosland.
- Psy 462. **Industrial Psychology.** (G) 2 hours fall.
Problems of industrial motivation and morale; measurement of proficiency; acquisition of skill; prevention of fatigue, monotony, and accidents; effects of improved working conditions. Prerequisite: Psy 341, 342; or Mth 425, 426; or equivalent. Taylor.
- Psy 463. **Occupational Selection and Placement.** (G) 2 hours winter.
Principles underlying job analysis and classification; use of psychological tests in the selection and placement of employees. Prerequisite: Psy 341, 342; or Mth 425, 426; or equivalent. Taylor.
- Psy 464. **Personnel Procedures.** (G) 2 hours spring.
Improvement of interviews, questionnaires, attitude scales, and ratings as psychological measures; evaluation of service. Prerequisite: Psy 341, 342; or Mth 425, 426; or equivalent. Taylor.
- Psy 465. **Motivation.** (G) 2 hours spring.
Review of changing conceptions of motivation, particularly as a result of psychological studies, experimental work on animal behavior, and the contributions of topological psychology. Leeper.
- Psy 467, 468, 469. **Learning.** (G) 2 hours each term.
A critical study of the psychology of learning; experimental work and related theoretical formulations on conditioning, concept formation, trial-and-error learning, problem solving, and development of skills. Leeper.
- Psy 470, 471. **Comparative Psychology.** (G) 2 hours each term, fall and winter.
The contribution of research on animal behavior to basic experimental and theoretical problems of psychology, such as maturation, inheritance of abilities, learning, and nervous mechanisms of behavior. Leeper.
- Psy 473, 474, 475. **History of Psychology.** (G) 2 hours each term.
Contemporary psychological concepts traced back to their origins; the influence of chronological and biographical factors stressed in connection with each topic. Crosland.
- Psy 481. **Psychology of Pain.** (G) 3 hours.
The sense organs and neural connections involved in pain sensitivity; physiological and psychological components of the conscious experience of pain; relationships to the psychology of perception, emotion, illusions, hallucinations, and other abnormal phenomena. Not offered 1951-52. Crosland.
- Psy 492, 493. **Physiological Foundations of Behavior.** (G) 4 hours each term, winter and spring.
Physiology of animal behavior, nerve physiology, tropisms, conditioned reflexes; effects of environment and internal secretions on animal conduct. Prerequisites: Bi 491 or consent of instructor.

GRADUATE COURSES

Courses numbered 400-499 and designated (G) may be taken for graduate credit.

- Psy 501. **Research.** Hours to be arranged.
- Psy 502. **Research Symposium.** Hours to be arranged.
Orientation with reference to qualifying examinations and other graduate requirements; choice of a research project; practice in compiling bibliographies and summarizing experimental literature. Discussion of current research. Required of graduate majors during their first term of residence.
- Psy 503. **Thesis.** Hours to be arranged.
- Psy 505. **Reading and Conference.** Hours to be arranged.
- Psy 507. **Seminar.** Hours to be arranged.
Abnormal Psychology. Hubbard, Marx.
Adolescence. Marx, Pierce-Jones.
Experimental Psychology. Crosland.
Genetic Psychology. Marx, Pierce-Jones.
Individual Differences. Marx, Taylor, Tyler.
Industrial Psychology. Taylor.
Learning. Leeper.
Personality Theory. Leeper.
Physiological Psychology. Crosland, Littman.
Social Psychology. Littman.
- Psy 508. **Seminar (Biopsychology).** 1 to 3 hours each term.
Discussion of literature and experimental techniques. Not offered 1951-52.
- Psy 511. **Psychology of Attention and Perception.** 2 hours fall.
Phenomena of attention, perception, and apperception considered from various points of view, with demonstrations and consideration of experimental literature. Training in special techniques of research if desired. Crosland.
- Psy 512. **Psychology of Memory and the Image.** 2 hours winter.
Various phases of representative processes in mental organization. Eidetic imagery, dissociation, assimilation, organization, generalization of memory contents, etc. Practice in methodology if desired. Crosland.
- Psy 518. **Association.** 2 hours spring.
Association psychology, presented from the point of view of practical psychology, of the general psychological significance of the concept, or of its history—determined by student interest. Research experience if desired. Crosland.
- Psy 521, 522, 523. **Systematic Psychology.** 2 hours each term.
Contemporary systems: Gestalt psychology, purposive behaviorism, topological psychology, psychoanalysis, etc. Aims of psychology, nature of explanation, and functions of abstractions in psychology. Leeper.
- Psy 535. **Practical Clinical Experience.** 3 hours.
Practical clinical experience with counseling agencies appropriate to individual interests, experience and vocational plans. Prerequisite: Psy 435 or Psy 437. Carlson, Tyler.
- Psy 551, 552, 553. **Advanced Experimental Psychology.** 3 hours each term.
Thorough study of periodical literature of general psychology. The point of view is consistently experimental. Opportunity offered for an experimental project to coordinate with class discussions. Crosland.

Department of Religion

Professors: P. B. MEANS (department head),* N. P. JACOBSON (acting department head).

THE Department of Religion is nonsectarian in spirit, the aim being to acquaint students with the far-reaching influence of religion in the cultural history of the world. Its courses are planned in accordance with the same standards of authoritative scholarship recognized in other departments of the University of Oregon.

Through these courses, the University seeks to develop an appreciation of the nature and processes of religious thought and experience, and to relate these facts to the life and problems of our time. The courses are also intended to meet the needs of students whose major work in other fields fits them for positions of leadership, and who can become effective and influential in the religious and spiritual life of their communities through a better understanding of the power of religion over men's lives and over the destiny of civilization.

LOWER-DIVISION COURSES

R 111, 112, 113. **Introduction to Religious Thought.** 3 hours each term.

Introduction to religious problems and to methods of studying these problems. Religion in different cultures. Consideration of some of the common questions men have asked about God, the soul, immortality, good and evil, the religious fellowship and society, the nature and destiny of man. Criteria for evaluating religion.

R 201, 202, 203. **Religious Foundations of Western Civilization.** 3 hours each term.

An introduction to the history of our classical Hebrew-Christian heritage of religious ideas from the earliest times to the present day.

R 211, 212, 213. **The Bible and Civilization.** 3 hours each term.

A survey of the literature of the Old Testament and the New Testament to discover its significance for civilization. How the Bible came into being; how its influence was preserved and extended.

UPPER-DIVISION COURSES

R 321. **Religion in Contemporary Society.** 3 hours.

The relation of religion to social institutions. Religion and the state, totalitarian and democratic. The social teachings of the various churches and religious groups. The religious situation today. Criteria for evaluating religion as a social force.

R 322. **Psychology of Religion.** 3 hours winter.

A study of the psychology of various forms of religious behavior.

R 323. **Philosophy of Religion.** 3 hours spring.

An inquiry into the nature of religion and its basic underlying convictions. An analysis of the religious factor in culture and civilization.

R 461. **Religions of Classical Antiquity.** (g) 3 hours fall.

Theories of the origin of religion. Animistic religion, Egyptian, Babylonian, Greek, Roman religions, religions of the Graeco-Roman world.

* On leave of absence 1950-51.

R 462. **Judaism and Christianity.** (g) 3 hours winter.

History of the two religions; how they arose, the social conditions bearing on their development, their internal struggles, their beliefs.

R 463. **Living Religions of the Orient.** (g) 3 hours spring.

Study of Zoroastrianism, Islam, Hinduism, Buddhism, Confucianism, Taoism, Shinto, and other living religions, with special reference to origins, organization, philosophy, and sacred literature.

Department of Sociology

Professor: E. H. MOORE (department head).*

Associate Professors: J. V. BERREMAN (acting department head), J. M. FOSKETT.

Assistant Professors: JOHN JAMES, W. T. MARTIN, J. R. PARSONS.

Fellows: R. L. JAMES, GLADYS J. PUTNEY.

Assistants: A. E. GRAVATT, S. N. PUTNEY.

LOWER-DIVISION, upper-division, and graduate courses in sociology are offered at the University. It is a major aim of the work in sociology to give the student an understanding of the principles that govern human associations and relationships.

The undergraduate major program of the department leads to the Bachelor of Arts or Bachelor of Science degree. Introduction to Social Research (Soc 327, 328) is required of all majors—Elements of Statistical Methods (Mth 425) may, however, be substituted for Soc 328. Candidates for the B.S. degree must also take Elements of Statistical Methods (Mth 425, 426) or General Zoology (Bi 201, 202, 203). Students interested in professional sociology should take the sequence in statistics; those interested in the field of social work should take General Zoology. Students anticipating graduate work or research in sociology are expected to attain a proficiency in statistics.

Majors, including those interested in the field of social work, should consult their advisers in the Department of Sociology concerning recommended courses. Students planning to major in sociology are advised to select year sequences, during their freshman and sophomore years, in some of the following fields: anthropology, economics, geography, history, philosophy, political science, psychology.

LOWER-DIVISION COURSES

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

The basic findings of sociology concerning the individual, culture, group life, social institutions, and factors of social change. Prerequisite: sophomore standing or consent of instructor.

UPPER-DIVISION COURSES

Soc 305. **Reading and Conference.** Hours to be arranged.

Soc 327, 328. **Introduction to Social Research.** 3 hours each term.

First term: The development of social research; the nature of scientific inquiry and the basic methods and techniques; examination of representative

* On sabbatical leave, spring term, 1950-51.

- sociological studies from the standpoint of methodology. Second term: the class plans and carries through to completion research projects designed to give experience in the use of the basic methods and techniques, including the construction of graphs and maps used in sociological research and exhibits. Prerequisite: Soc 204, 205, 206 or consent of instructor. Foskett, Martin.
- Soc 334, 335. **Social Psychology.** 3 hours each term.
Analysis of the psychological and sociological processes involved in personality formation and in various forms of group behavior. Particular attention to origin, function, ideologies, membership, and leadership. Prerequisite: Soc 204, 205 or Psy 201, 202. Berreman, Littman.
- Soc 338. **Marriage and the Family.** 3 hours.
The role of the family in the development of personality. Mate selection and courtship; marital discord and adjustment. Prerequisite: general sociology or general psychology. Berreman, J. James.
- Soc 340, 341, 342. **Social Work and Public Welfare.** 3 hours each term.
Fall: the fields of case work, group work, and community organization; qualifications for and training of social workers. Winter: the field of public welfare as an extension of governmental responsibility; history, principles, and current practices of public welfare. Spring: child welfare; historical and present-day status of the child; public and private programs for child care; current trends in child welfare. The work of any term may be taken independently. Prerequisite: 9 hours of sociology or psychology. Parsons.
- Soc 343, 344. **Field Work.** 2 hours each term.
Supervised field-work experience in a social agency. Must be taken concurrently with Soc 340, Soc 341, or Soc 342. Prerequisite: consent of instructor. Parsons.
- Soc 403. **Thesis for Honors Candidates.** Hours to be arranged.
- Soc 405. **Reading and Conference.** Hours to be arranged.
- Soc 407. **Seminar.** Hours to be arranged.
- Soc 415, 416. **Criminology and Penology.** (G) 3 hours each term.
First term: the nature of crime, with reference to causative factors. Second term: theories underlying punishment; the role of the police and the courts; history of punishment and recent penal developments. Prerequisite: Soc 204, 205, or Psy 201, 202, or consent of instructor. The work of either term may be taken independently. Moore.
- Soc 417. **Juvenile Delinquency.** (G) 3 hours.
Nature and extent of delinquent behavior; contributing factors; current preventive and treatment programs. Prerequisite: general sociology or general psychology. Parsons.
- Soc 421. **Social-Welfare Legislation.** (G) 2 hours.
Analysis of the programs of legislative control in the field of social welfare. Parsons.
- Soc 431, 432, 433. **Human Ecology.** (G) 3 hours each term.
Fall: social class structure in the contemporary American community, and its relation to social participation, the functioning of social institutions, conflicts and cleavages, integration, and other phases of community organization. Winter: the modern urban community; urbanization, patterns of urban growth and structure, and factors related to special distribution of people and institutions within the community. Spring: contemporary adjustment patterns to rural habitat; the agricultural revolution; rural society in transition; rural-urban integration. Prerequisite: general sociology or consent of instructor. Martin.

- Soc 435. **Population and Population Theory.** (G) 3 hours fall.
Theories of population, with reference to increase and decrease, and to the problems of quality; current programs of control. Migration and internal mobility. Martin.
- Soc 436. **Social Control.** (G) 3 hours spring.
Techniques and agencies by which the behavior of crowds, classes, associations, and publics is controlled. Prerequisite: Soc or Psy 334, 335, or consent of instructor. Berreman.
- Soc 437. **Sociology of Race Relations.** (G) 3 hours winter.
The development of "race consciousness" and emergent problems of race-culture contacts. Prerequisite: introductory course in sociology, anthropology, or psychology. Berreman.
- Soc 448. **Social Analysis.** (G) 2 or 3 hours.
Study of the theoretical premises, methods, techniques, and conclusions of research selected from sociological literature. Prerequisite: Soc 327, 328 or equivalent. Martin.
- Soc 450, 451, 452. **History of Social Thought.** (G) 3 hours each term.
An historical analysis of Western social thought in terms of its recurrent problems, its basic concepts, and its relation to contemporary sociological thought. The third term is devoted to an intensive study of the work of outstanding sociologists since Comte and Spencer. Foskett.
- Soc 454. **Principles of Sociology.** (G) 3 hours.
Fundamental current concepts of sociology. Open to seniors and graduate students. J. James.
- Soc 455. **Systematic Sociological Theory.** (G) 3 hours.
Application of structure-function concepts to the study of social phenomena. Prerequisite: Soc 454 or consent of instructor. J. James.

GRADUATE COURSES

Courses numbered 400-499 and designated (G) may be taken for graduate credit.

- Soc 501. **Research.** Hours to be arranged.
- Soc 503. **Thesis.** Hours to be arranged.
- Soc 505. **Reading and Conference.** Hours to be arranged.
- Soc 507. **Seminar.** Hours to be arranged.
Social Psychology. Berreman.
Small-Group Integration. J. James.
Contemporary Social Thought. Foskett.
Later Maturity. Moore.
Penological Theories. Moore.
Delinquency Treatment Programs. Parsons.
- Soc 537. **Social Movements.** 3 hours.
Study of the endeavors of groups of people to alter the course of events by their joint activities. Social and psychological factors which give rise to social movements and determine their course; the relation of such purposive collective activity to the process of social and cultural change. Prerequisite: Soc or Psy 334, 335 and graduate standing; or consent of instructor. Berreman.
- Soc 556. **Experimental Sociology.** 3 hours.
Critical analysis of selected experiments in sociology. Each student is expected to formulate a research problem, and to design an experiment suitable for testing the proposed hypothesis. Prerequisite: elementary course in statistics. J. James.

COURSES OFFERED ONLY IN EXTENSION

- Soc 346. **Social Case Methods in Nursing.** 3 hours (extension).
 Soc 347. **Social-Welfare Resources and Organization.** 3 hours (extension).
 Soc 517. **History of Social Work.** 3 hours (extension).
 Soc 518. **Public Welfare.** 3 hours (extension).
 Soc 519. **The Child and the State.** 3 hours (extension).
 Soc 525, 526, 527. **Social Case Work.** 2 hours each term (extension).
 Soc 530. **Social Group Work.** 3 hours (extension).
 Soc 550, 551. **Psychiatric Information for Social Workers.** 3 hours (extension).
 Soc 552. **Medical Information for Social Workers.** 3 hours (extension).

Department of Speech

Professors: R. C. McCALL (department head), R. D. CLARK.

Associate Professors: W. A. DAHLBERG, H. W. ROBINSON, OTTILIE T. SEYBOLT, K. S. WOOD.

Assistant Professors: K. E. MONTGOMERY, E. R. NICHOLS, JR., D. G. STARLIN.

Instructors: HERMAN COHEN, R. H. ENGLISH, F. J. HUNTER, R. L. MONTGOMERY, W. E. SCHLOSSER.

Assistants: GORDON ERICKSEN, B. D. FILUT, GERALDINE HETTINGER, R. H. MARSH, BEN PADROW, T. E. ROSEEN.

THE Department of Speech offers major curricula leading to the Bachelor of Arts, Bachelor of Science, Master of Arts, and Master of Science degrees, with opportunities for study in the fields of drama, public speaking, radio broadcasting, and speech correction.

Work in speech is also offered for students majoring in other fields. For these students, the department directs its efforts toward two principal objectives: (1) the development of ability to communicate thought and feeling; and (2) the improvement of powers of appreciation and evaluation in listening.

Practical experience in the various phases of the departmental program is provided through the University Theater, the University Symposium and forensic activities, the University Radio Studios, and the Speech and Hearing Clinic.

The minimum requirement for a major in speech is 45 term hours in courses in the department, of which at least 30 hours must be in upper-division courses.

To direct students toward a broad liberal education and to insure some acquaintance with the several aspects of the field of speech, the following courses or their equivalents are required of all majors:

- (1) Fundamentals of Speech (Sp 111, 112, 113).
- (2) Appreciation of Drama (Sp 264, 265, 266) or Fundamentals of Stagecraft (Sp 261, 262, 263).
- (3) At least 5 term hours selected from: Radio Program Production (Sp 444, 445, 446), Radio Workshop (Sp 341, 342, 343).
- (4) Phonetics (Sp 370); Speech Science (Sp 371) or Speech Defects and Disorders (Sp 481).
- (5) Nine term hours in general psychology.
- (6) A minimum of 18 term hours in upper-division courses in other departments which support the student's interest within his major field (e.g., for those

with a strong interest in drama—literature and history; in public speaking and radio—social science and literature; in speech correction—psychology and biology). Usually, the student satisfies this requirement with two year sequences.

In addition to courses satisfying requirement (6) above, students are expected to elect, in other departments, courses which have special value in relation to their individual objectives (e.g., for students preparing for careers in drama—visual arts, physics, play writing; in public speaking—social psychology, advanced writing; in radio—music literature, news editing, advertising, physics, language; in speech correction—mental hygiene, abnormal psychology, tests and measurements, physics, anatomy, physiology).

For requirements for the M.A. and M.S. degrees, see GRADUATE SCHOOL.

LOWER-DIVISION COURSES

Sp 111, 112, 113. **Fundamentals of Speech.** 3 hours each term.

Projects in extempore speaking. Primary emphasis on content and organization, with attention also to the student's adjustment to the speaking situation, effective delivery, audience motivation, and language of the speech.

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

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. K. E. Montgomery, Seyboit.

Sp 211. **Interpretation.** 2 hours.

The application of the principles of oral reading to literature. English.

Sp 221. **Public Discussion.** 2 hours winter or spring.

Preparation of speeches for delivery before public audiences. Cohen, Dahlberg.

Sp 241. **Fundamentals of Broadcasting.** 2 hours any term.

General survey of broadcasting; technical equipment used for broadcasting, types of programs, radio laws and policies affecting the industry, analysis of audience characteristics, radio terminology.

Sp 251. **Elements of Acting.** 2 hours.

Elementary principles of acting technique. Hunter.

Sp 261, 262, 263. **Fundamentals of Stagecraft.** 3 hours each term.

Planning and construction of stage settings and properties; principles of lighting; mechanics of the physical stage. Practical experience in connection with the production of plays. Schlosser.

Sp 264, 265, 266. **Appreciation of Drama.** 2 hours each term.

Study of design, acting, playwriting, criticism. Appreciation of drama, motion picture, and radio plays as art forms. Robinson.

UPPER-DIVISION COURSES

Sp 311, 312. **Advanced Interpretation.** 2 hours each term.

Instruction in the discovery and oral expression of meaning and feeling in prose, poetry, and dramatic literature. Prerequisite: Sp 211 or consent of instructor. McCall.

Sp 321, 322, 323. **Argumentation, Discussion, and Persuasion.** 3 hours each term.

Fall: argumentation; winter: principles and practice in discussion forms; spring: audience motivation and nature of audience response. Cohen, Dahlberg, K. E. Montgomery.

- Sp 324, 325, 326. **Theory and Practice in Public Address.** 3 hours each term.
Fall: study of rhetorical theories as applied to speech. Winter: application of principles by the class. Spring: extended assignments in which theories are applied. Dahlberg, K. E. Montgomery.
- Sp 331, 332. **Advanced Public Discussion.** 2 hours each term, winter and spring.
Preparation of speeches to be delivered before public audiences. Prerequisite: consent of instructor. Cohen, Dahlberg.
- Sp 341, 342, 343. **Radio Workshop.** 2 hours each term.
Theory and application of radio performance technique; physical, acoustic, and mechanical theory and its application; interpretative theory and its application. Selected radio script material used for laboratory projects. Prerequisite: consent of instructor. R. L. Montgomery.
- Sp 347, 348, 349. **Radio Script Writing.** 2 hours each term.
Radio writing techniques; practice in the writing of all major continuity types. Prerequisite: consent of instructor. Starlin.
- Sp 351, 352, 353. **Technique of Acting.** 3 hours each term.
Principles of acting technique. Problems in the analysis and presentation of character. Robinson, Hunter.
- Sp 364, 365, 366. **Play Direction.** 3 hours each term.
Sources of dramatic material, choice of play, casting and rehearsal of players, production organization. Practical experience in directing. 6 or more laboratory periods. Seybolt.
- Sp 367. **Production of School and Community Plays.** 3 hours any term.
Designed primarily to familiarize teachers with the elementary problems of play production. Seybolt.
- Sp 370. **Phonetics.** 3 hours any term.
Study of sounds used in speech. Determination of sounds; their symbolic nature; their production; physical and psychological problems involved in their perception; sectional differences. McCall.
- Sp 371. **Speech Science.** 3 hours any term.
A study of the anatomy, psychology, and physics of speech. McCall.
- Sp 411. **Speech for the Classroom Teacher.** 3 hours spring.
Instruction in speech and speech forms designed for classroom use. Required for English majors who intend to teach but open to all prospective teachers. McCall.
- Sp 421, 422, 423. **History and Literature of Oratory.** (G) 3 hours each term.
Masterpieces of oratorical literature. Fall: Greek and Roman. Winter: British oratory from Pitt to modern times. Spring: American oratory. Clark, Dahlberg, K. E. Montgomery.
- Sp 444, 445, 446. **Radio Program Production.** 3 hours each term.
Theory and application of radio production techniques as they apply to major continuity types; actual "on the air" production and direction, with critical evaluation of programs produced. Experience in casting, rewriting, rehearsing, and broadcasting under conditions similar to those found in the industry. Prerequisite: consent of instructor. Starlin.
- Sp 448. **Radio and the Public.** (G) 3 hours.
The influence and importance of radio as a social, political, and cultural force; history of radio programming; commercial versus public-service broadcasting; public opinion and propaganda influence of radio. Starlin.

- Sp 451, 452, 453. **Theory of Acting.** (G) 3 hours each term.
Lectures, discussion, and analysis of acting theory. Prerequisite: Sp 351, 352, 353. Robinson.
- Sp 461, 462, 463. **Scene Design.** (G) 3 hours each term.
The physical theater; its social and historical background; forms of theater auditoriums and types of stage settings; the design of stage settings. Prerequisite: consent of instructor. Schlosser.
- Sp 464, 465, 466. **History of the Theater.** (G) 3 hours each term.
An historical study of the theater from ancient to modern times. Hunter.
- Sp 472. **Experimental Phonetics.** (G) 3 hours.
Experimental methods in voice and phonetics; analysis and measurement of variables in the production of speech. 1 hour of laboratory work required. Prerequisite: Sp 370, Sp 371. Wood.
- Sp 481, 482. **Speech Defects and Disorders.** (G) 3 hours each term.
First term: symptoms and causes of speech abnormalities; emphasis on diagnosis and basic pathology of articulatory defects and delayed speech, with discussion of methods of treatment limited to general principles. Second term: emphasis on cleft-palate and spastic speech, aphasia, stuttering, and neurological speech disorders. Wood.
- Sp 483. **Clinical Methods in Speech Correction.** (G) 3 hours.
Study of specific approaches and techniques in the treatment of the major speech defects, including functional articulatory difficulties, cleft-palate speech, stuttering, and neurological speech disorders. Wood.
- Sp 484, 485, 486. **Clinical Practice in Speech Correction.** (G) 2 hours each term.
Actual case experience for student clinicians in the diagnosis and treatment of speech-defective children and adults, under supervision. Wood.
- Sp 487, 488. **Rehabilitation of the Hard-of-Hearing.** (G) 3 hours each term.
First term: the nature of hearing; hearing loss and speech involvements. Second term: auditory tests and their interpretation; hearing aids; lip reading and auditory training. Wood.

GRADUATE COURSES

Courses numbered 400-499 and designated (G) may be taken for graduate credit.

- Sp 501. **Research.** Hours to be arranged.
- Sp 503. **Thesis.** Hours to be arranged.
- Sp 505. **Reading and Conference.** Hours to be arranged.
- Sp 507. **Seminar.** Hours to be arranged.

COURSES OFFERED ONLY IN SUMMER SESSIONS AND EXTENSION

- Sp 225, 226. **Public Speaking for Business and Professional Men and Women.** 2 hours each term (extension and summer sessions).
- Sp 235. **Principles and Techniques of Speech Correction.** 3 hours (extension and summer sessions).
- Sp 490. **Lip Reading for the Deaf and Hard-of-Hearing.** 3 hours (extension).
- Sp 491. **Advanced Language Development for the Deaf.** (G) 3 hours (extension).
- Sp 492. **Voice and Speech for the Deaf.** (G) 3 hours (extension).

Bureau of Municipal Research and Service

HERMAN KEHRLI, M.A.....	Director
*ALFRED C. SHEPARD, M.A.....	Assistant Director, Portland Office
ARNOLD M. WESTLING, B.S.....	Planning Consultant
RAYMOND P. UNDERWOOD, LL.B.....	Legal Consultant
*ROBERT E. MOULTON, B.A.....	Research Assistant
HUGH MCKINLEY, B.A.....	Research Assistant

THE Bureau of Municipal Research and Service carries on a comprehensive program of research and service in the field of local government. A reference library and an information service are provided to public officials and civic groups on various aspects of municipal administration and public finance. Special studies are conducted, at the request of legislative interim committees and public officials, in the broader field of state government and welfare. The bureau cooperates with the League of Oregon Cities in providing a consultation service on problems related to local legislation; charter revision, ordinance codification, municipal budgeting, revenue and taxation, law, and general administration.

Assistance is also provided in conducting in-service training programs for local officials in cooperation with the Oregon Finance Officers Association and the Oregon Association of City Police Officers.

The bureau publishes several series of bulletins, intended primarily as a service to city officials in the state of Oregon, and occasional special research studies.

* On leave for military service.

School of Architecture and Allied Arts

SIDNEY W. LITTLE, M. Arch., Dean of the School of Architecture and Allied Arts.

FRANCES S. NEWSOM, B.A., Architecture and Allied Arts Librarian.

ANN D. YAHN, Secretary.

Professors: F. A. CUTHBERT, F. T. HANNAFORD, S. W. LITTLE, A. M. VINCENT.

Associate Professors: VICTORIA AVAKIAN, W. S. BALDINGER, K. J. BELSER, EYLER BROWN, BROWNELL FRASIER, W. S. HAYDEN,* MAUDE I. KERNS (emeritus), DAVID MCCOSH, M. D. ROSS, H. H. WAECHTER.

Assistant Professors: LYNN ALEXANDER, G. F. ANDREWS, R. R. FERENS, N. M. GADDIS, JEAN K. GLAZER, G. S. JETTE, E. M. MACCOLLIN, H. R. SEBOLD, M. R. SPONENBURGH, E. W. TREADAWAY, JACK WILKINSON.*

Instructors: L. T. CHADWICK, F. H. HEIDEL, A. H. MILLER, R. J. PRASCH, C. B. RYAN, D. H. SITES, J. C. H. SMEKENS.

Assistants: J. C. DAUGHERTY, ROBERT FEASLEY, JANE A. GEHRING, JEHOSSUA GVIRTZMAN, H. A. HALL, JR., W. L. HOLBROOK, W. F. MINCKLEY, D. T. RANKIN, H. L. SLEIGHT.†

THE School of Architecture and Allied Arts offers instruction leading to baccalaureate and advanced degrees in the fields of architecture, interior design, landscape architecture, drawing and painting, sculpture, ceramics, weaving, art history, and art education. All lower-division courses in the school, and all courses in art history, may be elected by nonmajors.

The school is organized as an integrated unit, without formal departmentalization. This form of organization reflects and facilitates the school's policy of cooperative teaching to bring the resources and insights of the several arts to bear on common problems of design.

Admission. The major curricula in the fields listed above are organized on an upper-division and graduate basis. Freshman students intending to major in any of these fields are enrolled in the College of Liberal Arts and pursue, for two years, a program combining liberal-arts courses with introductory preprofessional courses in the School of Architecture and Allied Arts.

The lower-division preprofessional courses are planned to provide continuity of training and experience in the several major fields throughout the student's undergraduate years. Educational continuity is further insured through the assignment of members of the staff of the School of Architecture and Allied Arts as faculty advisers to preprofessional students.

* On sabbatical leave 1950-51.

† Resigned Dec. 31, 1950.

Before admission as professional majors, students must satisfy all lower-division requirements of the University and the College of Liberal Arts.

Students transferring to the University from other collegiate institutions for work in the School of Architecture and Allied Arts must satisfy the regular lower-division requirements, including both liberal-arts and preprofessional requirements, before admission as professional majors. Credit may be transferred for courses that are the equivalent of University offerings; but a transfer student wishing credit, toward major requirements, for upper-division professional work completed at another institution must first submit an exhibit of his work.

Facilities. The school is housed in a group of buildings around an arcaded patio, at the northeast corner of the campus. The buildings contain drafting rooms, exhibition rooms, studios, classrooms, a library, and staff offices. Additional drafting-room and studio space for lower-division classes are provided in the Architecture Annex, a new building east of the main art and architecture group.

The school provides desks, easels, and certain materials which are not readily available for individual purchase. Students supply their own instruments and drawing materials; these materials are obtainable from a branch of the University Cooperative Store, maintained in the Art and Architecture Building.

The Art and Architecture Library is a reference collection of about 4,500 books, administered as a branch of the University Library.

Graduate Work. The School of Architecture and Allied Arts offers graduate work leading to master's degrees in architecture, landscape architecture, drawing and painting, sculpture, ceramics, weaving, art education, and art history. Graduate programs may emphasize either creative work or technical, theoretical, and historical studies. The following degrees are granted:

Master of Architecture—for creative work in architectural design or for studies in city and regional planning.

Master of Landscape Architecture—for creative work in landscape design or for studies in city and regional planning.

Master of Fine Arts—for creative work in drawing and painting, sculpture, ceramics, or weaving.

Master of Arts, Master of Science—for historical and theoretical studies in the visual arts.

Master of Science in General Studies—for programs of advanced study planned especially for public-school teachers; adapted to the needs of many students in art education.

Graduate work in the school is governed by the regulations of the University Graduate School and by special requirements of the School of Architecture and Allied Arts. These special requirements, which apply particularly to graduate work of a creative nature leading to the M.Arch., M.L.Arch., or M.F.A. degree, are as follows:

(1) A student applying for admission for creative work at the graduate level must submit to the dean of the School of Architecture and Allied Arts photographs of recent work or other materials bearing on his creative abilities.

(2) The student's qualifying examination, required by the Graduate School before the completion of 15 term hours of graduate work, must include a display of creative work done both before and after admission to graduate standing.

(3) The requirements for the M.Arch., M.L.Arch., and M.F.A. degrees include the completion of a creative terminal project. The student's plan for his

terminal project must be approved by his graduate committee before it is undertaken.

(4) On the completion of his terminal project, the student must submit as a supplement three copies of a typewritten report, describing the development of the project, the materials and equipment employed, the technical procedures followed, and other information bearing on the project; the report should be documented by photographs.

(5) After the completion of the terminal project, but before his final examination, the student must install a public exhibition presenting the several parts of the project. The School of Architecture and Allied Arts reserves the right to retain any part of the material exhibited as an indefinite loan.

(6) After the installation of the exhibition, but before public showing, the project is given a final review by the graduate committee, in the presence of the candidate. The review is accompanied by an oral examination of the candidate, which may be supplemented by a written examination.

Basic Design

BASIC DESIGN is an introductory course required of all students planning to major in any field within the School of Architecture and Allied Arts. The course is planned and taught cooperatively by all members of the faculty of the school.

LOWER-DIVISION COURSE

AA 195. **Basic Design.** 2 hours any term.

Through individual projects in a series of studio assignments, the student achieves an understanding of design in the basic visual arts, and a familiarity with all the professional fields of the school. Correlated with Survey of Visual Arts (AA 114, 115, 116).

Architecture

Advisers: LITTLE, HAYDEN, HANNAFORD, BELSER.

THE curriculum in architecture, leading to the degree of Bachelor of Architecture, is a three-year program following two years of preprofessional work. The preprofessional program includes lower-division courses which provide acquaintance with the more elementary aspects of architecture; these courses are organized to insure continuity with the professional work begun in the third year. The following courses are required for admission to an upper-division major in architecture:

	Term hours
Basic Design (AA 195).....	6
Graphics (AA 211, 212, 213).....	9
Lower-Division Drawing (AA 291).....	3
Construction and Design (AA 285, 286, 287).....	12
*Mathematics (Mth 105, 106, 200 or Mth 101, 102, 103).....	12
*Physics (Ph 101, 102, 103 or Ph.201, 202, 203).....	9-12

Because the upper-division program is planned as continuous with the basic courses offered during the first two years, students planning to major in architec-

* Satisfies also group requirement in liberal arts.

ture at the University of Oregon are strongly advised to enter the University as freshmen, in order to profit by this continuous training. In special cases, however, students transferring from other institutions, with preprofessional preparation differing in some respects from the pattern indicated above, may be admitted to the professional curriculum.

The curriculum in architecture provides two options, a design option and a structural option. Both options include sound training in both phases of architecture; the structural option, however, requires additional technical work, indicated below.

The major option in design includes the following required courses:

	Term hours
Architectural Design (AA 387).....	12
Architectural Design (AA 487).....	18
Architectural Design (AA 587).....	24
History of Architecture I (AA 337, 338, 339).....	9
History of Architecture II (AA 340, 341, 342).....	9
Theory of Structure I (AA 369, 370, 371).....	9
Theory of Structures II (AA 469, 470, 471).....	12
Architectural Physics (Ph 369, 370, 371).....	3
Building Construction I (AA 417, 418, 419).....	6
Building Construction II (AA 420, 421, 422).....	6
City Planning I (AA 353, 354, 355).....	6
Surveying for Architects (AA 317).....	2
Architectural Practice (AA 529, 530, 531).....	3
Art studio course (drawing, painting, sculpture, weaving, or ceramics).....	6

The requirements for the structural option include the courses listed above and, in addition:

Differential and Integral Calculus (Mth 201, 202, 203).....	12
Theory of Structures III (AA 472, 473, 474).....	12

The following regulations govern the curriculum in architecture and the granting of the Bachelor of Architecture degree:

(1) A student may obtain each year credits in excess of those called for in the curriculum, by demonstrating through examination that he has professional training, through experience or otherwise, which will justify the granting of additional credit and more rapid progress toward the degree.

(2) The student must earn 220 term hours of credit, of which 147 hours must be in the School of Architecture and Allied Arts. He must have completed all of the professional work of the five-year program, and must have satisfied all University requirements for graduation. A minimum of one year of residence is required.

(3) A student may take elective subjects in addition to the electives scheduled in the curriculum, provided his record for the preceding years shows no grade below C.

(4) The five-year program is planned for students of average preparation and ability. Students with superior preparation and ability may, through examination as provided under Rule 1, or by presenting work in design as provided under Rule 5, complete the required number of hours of professional work and graduate in less than five years.

(5) Before the professional degree is granted, the student must complete satisfactorily each division of design. By special permission of the dean, a student may be allowed to do the work required in the courses in design as rapidly as he is able. By arrangement with the Registrar, credit for work done in these courses before formal registration will be entered in the student's record when certified by the dean.

Graduate work is offered in architecture, leading to the Master of Architecture degree. For requirements see pages 170-171.

The curriculum in architecture is accredited by the National Architectural Accrediting Board.

LOWER-DIVISION COURSES

AA 211, 212, 213. **Graphics.** 3 hours each term.

Fall: Problems in mechanical and freehand perspective, orthographic projection, shades and shadows, as applied to graphic presentation of architectural

design. Winter: media of graphic presentation. Spring: methods and techniques of design presentation.

AA 285, 286, 287. **Construction and Design.** 4 hours each term.

No-grade course. A basic preprofessional sequence dealing with materials, their properties, and design qualities. Principles of light construction in wood and masonry. Short design problems planned to integrate the basic principles of design in analytical solutions of typical problems in architecture, landscape architecture, and interior design.

UPPER-DIVISION COURSES

AA 311, 312, 313. **Domestic Architecture.** 2 hours each term.

Fundamental analysis of factors influencing domestic design. Illustrated lectures, class discussions. Open to nonmajors.

AA 317. **Surveying for Architects.** 2 or 3 hours fall or spring.

Elements of plane surveying adapted to the needs of architects; field practice in the use of steel tape, level, and transit; determination of building-plot contours and their interpretation on plot-plan drawings; methods of calculating excavations and fills for building purposes. For landscape majors, 3 term hours required, with special attention to plane-table surveying. Prerequisite: trigonometry.

AA 369, 370, 371. **Theory of Structures I.** 3 hours each term.

Application of mathematics to the design of building structures. Wood and steel construction; beams, columns, trusses, and simple frames; the relationship of structural design to architectural design.

AA 387. **Architectural Design.** 2 to 6 hours any term.

No-grade course. A series of problems in architectural design, beginning a three-year sequence of intensive study of professional planning. Major problems in planning and design; sketch problems. Individual criticisms by the entire staff. Prerequisite: AA 285, 286, 287.

AA 401. **Special Studies.** Hours to be arranged.

AA 405. **Senior Assigned Reading.** Hours to be arranged.

AA 407. **Senior Seminar.** Hours to be arranged.

AA 411, 412, 413. **Housing.** (G) 2 hours each term.

Needs and problems of public and private housing. General principles governing siting and design of housing projects. Prerequisite: AA 355 and fourth-year standing in design.

AA 417, 418, 419. **Building Construction I.** 2 hours each term.

The preparation of working drawings, including scale and full-sized details, architectural specifications; field supervision of building construction. Prerequisite: fourth-year standing in architectural or interior design.

AA 420, 421, 422. **Building Construction II.** (G) 2 hours each term.

Mechanical accessories to buildings; plumbing, heating, ventilation, electric lighting, acoustics. Ph 369, 370, 371 taken concurrently.

AA 469, 470, 471. **Theory of Structures II.** (G) 4 hours each term.

Wood and steel building trusses, reinforced-concrete building construction; retaining walls, footings, and foundations for buildings. Prerequisite: AA 369, 370, 371.

AA 472, 473, 474. **Theory of Structures III.** (G) 4 hours each term.

Continuous frames, rigid frames, and their effects on architectural design. A series of problems, presented in conjunction with fifth-year architectural design. Elective for design majors, required for structural majors.

AA 487. Architectural Design. 4 to 8 hours any term.

No-grade course. A series of architectural problems of increasing complexity, with emphasis on analysis in planning and design. Individual criticisms by the entire staff. Prerequisite: 15 term hours in AA 387.

GRADUATE COURSES

Courses numbered 400-499 and designated (G) may be taken for graduate credit.

AA 501. Special Studies. Hours to be arranged.**AA 505. Assigned Reading.** Hours to be arranged.**AA 507. Seminar.** Hours to be arranged.**AA 508. Seminar in Planning and Housing.** Hours to be arranged.

Analysis and discussion of regional and urban planning problems; urban rehabilitation and housing.

AA 509. Terminal Creative Project. Hours to be arranged.**AA 529, 530, 531. Architectural Practice.** 1 hour each term.

Problems of professional ethics, business relations, office management, etc. Open only to fifth-year students.

AA 587. Architectural Design. 5 to 10 hours any term.

No-grade course. Planning analysis and design study, with more complex problems. Individual criticisms and public presentations; one term devoted to a terminal project. Prerequisite: 18 term hours in AA 487.

Interior Design

Adviser: FRASIER.

TWO- AND THREE-YEAR professional curricula, following two years of preprofessional work, are offered in the field of interior design. The three-year program leads to the degree of Bachelor of Interior Architecture, the two-year program to the degree of Bachelor of Science. Instruction in interior design is closely correlated with work in architectural design and the related arts. The following courses are required for admission to an upper-division major in interior design:

	Term hours
Basic Design (AA 195).....	6
Graphics (AA 211, 212, 213).....	9
Lower-Division Drawing (AA 291).....	3
Construction and Design (AA 285, 286, 287).....	12

In the upper-division program, the student is assigned individual problems in interior planning; emphasis is placed on his creative development and on the relating of his education to the solution of design problems. All teaching is by means of individual criticism, supplemented by lectures by members of the school faculty. The student works in the same drafting room and is closely associated with students and instructors in architecture and landscape design.

The two-year professional program includes the following required courses:

	Term hours
Interior Design (AA 388).....	12
Interior Design (AA 488).....	18
History of Interior Architecture (AA 443, 444, 445).....	6
History of Architecture I (AA 337, 338, 339).....	9
History of Architecture II (AA 340, 341, 342).....	9
Building Construction I (AA 417, 418, 419).....	6
Drawing, painting, sculpture, ceramics, weaving.....	27

The three-year professional program includes the courses listed above and, in addition:

Interior Design (AA 588).....	24
Interior-Design Laboratory (AA 484, 485, 486).....	6
Interior-Design Professional Practice (AA 465, 466, 467).....	9
Architectural Practice (AA 529, 530, 531).....	3

The curriculum in interior design and the granting of the degree of Bachelor of Interior Architecture are governed by the regulations stated above for the curriculum and professional degree in architecture (see page 172).

UPPER-DIVISION COURSES

AA 388. Interior Design. 2 to 6 hours any term.

No-grade course. A series of problems in interior design, beginning intensive study in the analysis of professional problems. Individual criticisms. Prerequisite: AA 285, 286, 287.

AA 401. Special Studies. Hours to be arranged.**AA 465, 466, 467. Interior-Design Professional Practice.** (G) 3 hours each term.

Ethics and office procedure for the interior designer in private practice. Trade contacts, discounts, interprofessional relations. Sources of materials.

AA 484, 485, 486. Interior-Design Laboratory. 2 hours each term.

Workroom practice; estimating and cost studies. Fabrics and decorating materials. Furniture design.

AA 488. Interior Design. 4 to 6 hours any term.

No-grade course. A series of problems in interior design, developing the analytical approach; emphasis on integration with architecture. Some attention to period design. Individual criticisms. Prerequisite: 10 term hours in AA 388.

GRADUATE COURSES

Courses numbered 400-499 and designated (G) may be taken for graduate credit.

AA 501. Special Studies. Hours to be arranged.**AA 505. Assigned Reading.** Hours to be arranged.**AA 507. Seminar.** Hours to be arranged.**AA 509. Terminal Creative Project.** Hours to be arranged.**AA 588. Interior Design.** 5 to 10 hours any term.

No-grade course. Professional interior-design problems of increasing complexity. Individual criticisms, public presentations. One term devoted to a terminal project.

Landscape Architecture

Adviser: CUTHERBERT.

THE CURRICULUM in landscape architecture, leading to the degree of Bachelor of Landscape Architecture, is a three-year program following two years of preprofessional work. The following courses are required for admission to an upper-division major in landscape architecture:

	Term hours
Basic Design (AA 195).....	6
Graphics (AA 211, 212, 213).....	9
Lower-Division Drawing (AA 291).....	3
Construction and Design (AA 285, 286, 287).....	12
*General Botany (Bi 204, 205, 206).....	12

The program provides the student with a broad educational background, together with technical studies essential for the professional practice of landscape architecture. Courses in the field are supplemented by courses in art, architectural design, construction, and city planning. Majors in landscape architecture work side by side with students of architecture and interior design, and have the benefit of design criticism from the entire faculty of the School of Architecture and Allied Arts. Opportunities are provided for collaboration on design problems by landscape and architecture students. The instructional program includes field trips to acquaint students with outstanding examples of the design and construction of parks, cemeteries, airports, private properties and subdivisions, golf courses, and planned civic developments—and for study of the use of various plant materials under different conditions of climate, soil, and exposure.

Students planning to major in landscape architecture are advised to complete courses in high-school mathematics through trigonometry.

The major in landscape architecture includes the following required upper-division courses:

	Term hours
Landscape Design (AA 389).....	12
Landscape Design (AA 489).....	12
Landscape Design (AA 589).....	30
Plant Materials (AA 326, 327, 328).....	9
History and Lit. of Landscape Arch. (AA 356, 357).....	6
History of Architecture (AA 342).....	3
Plant Composition (AA 430, 431, 432).....	12
Maintenance and Construction (AA 359, 360, 361).....	6
Surveying for Architects (AA 317).....	3
Adv. Landscape Construction (AA 459, 460, 461).....	12
City Planning I (AA 353, 354, 355).....	6
City Planning II (AA 499).....	9
Office Practice (AA 433, 434, 435).....	3
Theory of Structures I (AA 369, 370).....	6

The curriculum in landscape architecture and the granting of the degree of Bachelor of Landscape Architecture are governed by the regulations stated above for the curriculum and professional degree in architecture. (see page 172).

Graduate work is offered in landscape architecture, leading to the degree of Master of Landscape Architecture. For requirements, see pages 170-171.

The curriculum in landscape architecture is accredited by the American Society of Landscape Architects.

LOWER-DIVISION COURSES

AA 250, 251, 252. **Lower-Division Landscape Design.** 2 hours each term.

Principles of landscape design; application to the design of small residence properties; the ordinary city lot, town house property, and suburban residence properties not exceeding three acres. For students planning to major in landscape maintenance at Oregon State College. Prerequisite: AA 195.

UPPER-DIVISION COURSES

AA 326, 327, 328. **Plant Materials.** 3 hours each term.

The characteristics, identification, and design uses of trees, shrubs, vines, and flowers. Open to nonmajors with consent of instructor.

* Satisfies also group requirement in liberal arts.

AA 353, 354, 355. **City Planning I.** 2 hours each term.

Fall and winter: history and significance of city planning; modern achievements in zoning, housing, and city and regional planning. Spring: economic, practical, and aesthetic factors.

AA 359, 360, 361. **Maintenance and Construction.** 2 hours each term.

General survey of maintenance problems and construction details, as related to the work of the professional landscape architect. Fall: integrated with surveying. Winter and spring: integrated with landscape design.

AA 366, 367, 368. **Surveying and Structures for Landscape.** 3 hours each term.

Elements of plane surveying, with special application to landscape architecture; field practice, contour determination, calculating excavation and fill. Simple wood structures, retaining walls, pools, steps, roads; concrete construction.

AA 389. **Landscape Design.** 2 to 6 hours any term.

No-grade course. A series of problems in landscape architecture, beginning a three-year sequence of intensive study in analysis, solution, and presentation. Prerequisite: AA 285, 286, 287.

AA 401. **Special Studies.** Hours to be arranged.

AA 405. **Senior Assigned Reading.** Hours to be arranged.

AA 407. **Senior Seminar.** Hours to be arranged.

AA 430, 431, 432. **Plant Composition.** (G) 4 to 6 hours each term.

No-grade course. Design of plantings of trees, shrubs, and flowers. Lectures, field trips, and drafting.

AA 433, 434, 435. **Office Practice (Landscape).** (G) 1 hour each term.

Professional ethics, office management, and principles of superintendence.

AA 459, 460, 461. **Advanced Landscape Construction and Field Practice.** (G) 4 hours each term.

Interpretation of designs in ground and plot situations. Development of construction problems in field practice. Prerequisite: AA 359, 360, 361.

AA 489. **Landscape Design.** 4 to 8 hours any term.

No-grade course. A series of advanced problems in landscape architecture, with emphasis on broad planning problems and integration with architecture. Individual criticism. Prerequisite: 10 term hours in AA 389.

AA 499. **City Planning II.** (G) 1 to 6 hours any term.

No-grade course. Course in civic design. Maximum credit, 12 hours. Prerequisite: architecture majors, AA 353; landscape majors, AA 353, 354, 355.

GRADUATE COURSES

Courses numbered 400-499 and designated (G) may be taken for graduate credit.

AA 501. **Special Studies.** Hours to be arranged.

AA 505. **Assigned Reading.** Hours to be arranged.

AA 507. **Seminar.** Hours to be arranged.

AA 509. **Terminal Creative Project.** Hours to be arranged.

AA 589. **Landscape Design.** 5 to 10 hours any term.

No-grade course. Landscape-design problems of increasing complexity. Individual criticisms. One term devoted to terminal project, with emphasis on planning analysis and public presentation. Prerequisite: 18 term hours in AA 489.

Drawing and Painting

Advisers: VINCENT, MCCOSH.

INSTRUCTION in drawing and painting at the lower-division level is offered both for students preparing for advanced professional study and for other University students who wish some experience in creative work as a part of a liberal education. Sufficient studio work is provided to insure adequate technical training as a basis for an upper-division major in drawing and painting.

At the upper-division level the special interests of students (landscape, portraiture, mural illustration, commercial applications, etc.) are given special attention and encouragement. All teaching is through individual criticism. The student works at his easel or drawing board on his particular problem, and receives individual help from the instructor.

The following lower-division courses in art are required as preparation for a major in drawing and painting:

	Term hours
Basic Design (AA 195).....	6
Survey of Visual Arts (AA 114, 115, 116).....	6
Lower-Division Painting (AA 290).....	12
Lower-Division Drawing (AA 291).....	12
	} 24

The upper-division major program leading to a bachelor's degree must include a minimum total of 78 hours from the following courses:

	Term hours
Upper-Division Painting (AA 490).....	24
Upper-Division Drawing (AA 491).....	18
Upper-Division Composition (AA 492).....	12
History of Painting (AA 346, 347, 348).....	9
Sculpture, ceramics, weaving, graphic arts.....	15

Graduate work leading to the degree of Master of Fine Arts is offered in the field of drawing and painting. For requirements, see pages 170-171.

LOWER-DIVISION COURSES

AA 290. Lower-Division Painting. 2 to 3 hours any term.

Instruction in the use of oil color, water color, and other media. Registration permitted any term, but it is desirable that the work be started in the fall. 6 hours required for upper-division standing.

AA 291. Lower-Division Drawing. 1 to 3 hours any term.

Training in observation and selection of significant elements. Registration permitted any term, but it is desirable that the work be started in the fall. 6 hours required for upper-division standing.

AA 298. Sketching. 1 hour any term.

No-grade course. Sketching from costumed models, to develop ability to observe clearly and record accurately. Offered especially for nonmajor students who have had no previous training in sketching or drawing.

AA 380, 381, 382. Graphic Arts. 2 hours each term.

A study of design principles and technical methods involved in lithography, etching, wood-block and linoleum-block print making.

UPPER-DIVISION COURSES

AA 398. Pen and Pencil. 1 hour any term.

Technique of rendering with pen and pencil.

AA 401. **Special Studies.** Hours to be arranged.

AA 405. **Senior Assigned Reading.** Hours to be arranged.

AA 407. **Senior Seminar.** Hours to be arranged.

AA 490. **Upper-Division Painting.** (G) 2 to 5 hours any term.

Advanced problems in portrait, figure, and still life, in all media. Prerequisite: 6 term hours in AA 290.

AA 491. **Upper-Division Drawing.** (G) 1 to 5 hours any term.

Advanced work in drawing. Study of form from the figure. Prerequisite: 6 term hours in AA 291.

AA 492. **Upper-Division Composition.** (G) 2 to 5 hours any term.

No-grade course. Advanced problems in composition. Mural decorations; illustrations; practical problems carried out in oil, fresco, and other media.

GRADUATE COURSES

Courses numbered 400-499 and designated (G) may be taken for graduate credit.

AA 501. **Special Studies.** Hours to be arranged.

AA 505. **Assigned Reading.** Hours to be arranged.

AA 507. **Seminar.** Hours to be arranged.

AA 509. **Terminal Creative Project.** Hours to be arranged.

Sculpture

Adviser: SPONENBURGH.

THE LOWER-DIVISION program leading to a major in sculpture combines elementary instruction in the field with liberal-arts courses and with work in design, drawing, and painting, to broaden the student's understanding of general art principles.

All work in sculpture is executed in the sculpture studio under the personal direction of the instructor. During their senior year, students work in close collaboration with advanced students in architecture and landscape architecture, for the purpose of developing close professional relations between these fields; the collaboration includes joint work on practical projects.

The following lower-division courses in art are required as preparation for a major in sculpture.

	Term hours
Basic Design (AA 195).....	6
Survey of Visual Arts (AA 114, 115, 116).....	9
Elementary Sculpture (AA 293).....	9
Lower-Division Drawing or Painting (AA 290 or AA 291).....	6

The upper-division major program in sculpture, leading to a bachelor's degree, includes the following required courses:

	Term hours
Techniques of Sculpture (AA 393).....	15
Advanced Sculpture (AA 494).....	15
History of the Plastic Arts (AA 376, 377, 378).....	9
Sculpture Seminar (AA 407).....	3
Advanced Ceramics or Jewelry (AA 455 or AA 457).....	6
Upper-Division Drawing (AA 491).....	6
Backgrounds of Modern Art (AA 476, 477, 478).....	9

Graduate work, leading to the degree of Master of Fine Arts, is offered in the field of sculpture. For requirements, see pages 170-171.

LOWER-DIVISION COURSE

AA 293. Elementary Sculpture. 2 to 4 hours any term.

Introduction to materials. Elementary considerations of form; technical and compositional exercises in clay and plaster. Sections for preidental students and other nonmajors.

UPPER-DIVISION COURSES

AA 393. Techniques of Sculpture. 2 to 6 hours any term.

Figure study and composition. Techniques of stone and wood carving.

AA 401. Special Studies. Hours to be arranged.

AA 405. Senior Assigned Reading. Hours to be arranged.

AA 407. Senior Seminar. Hours to be arranged.

AA 494. Advanced Sculpture. (G) 2 to 8 hours any term.

No-grade course. Studies in space and motion. Application of sculpture to related fields of architecture, landscape architecture, and industrial design.

GRADUATE COURSES

Courses numbered 400-499 and designated (G) may be taken for graduate credit.

AA 501. Special Studies. Hours to be arranged.

AA 505. Assigned Reading. Hours to be arranged.

AA 507. Seminar. Hours to be arranged.

AA 509. Terminal Creative Project. Hours to be arranged.

Applied Design

Advisers: AVAKIAN, ALEXANDER.

INSTRUCTION is offered in the following fields of applied design: ceramics, weaving, and jewelry. Major programs of study are offered in ceramics and weaving. Both programs include supporting work in related arts. The following lower-division courses in art are required as preparation for a major in ceramics or weaving:

	Term hours
Basic Design (AA 195, 196).....	6
Survey of Visual Arts (AA 114, 115, 116).....	9
Lower-Division Drawing or Painting (AA 290 or AA 291).....	6
Lower-Division Ceramics or Weaving (AA 255 or AA 256).....	9

Ceramics. The curriculum in ceramics is designed to acquaint the student with the general character, techniques, and materials of ceramic art. Emphasis is placed on individual development through individual projects. The instruction includes a consideration of the role of the ceramic designer in industrial production. The following courses are required in the upper-division major program leading to a bachelor's degree:

	Term hours
Advanced Ceramics (AA 455).....	30
Drawing, painting, sculpture.....	15
Weaving, jewelry.....	9
Art history (selected).....	9

Weaving. The curriculum in weaving is designed to provide a thorough understanding of contemporary weaving on the hand loom. In studio work at the upper-division level, emphasis is placed on individual creative effort in the various techniques. The following courses are required:

	Term hours
Advanced Weaving (AA 456).....	30
Drawing, painting, sculpture.....	15
Ceramics, jewelry.....	9
Art history (selected).....	9

LOWER-DIVISION COURSES

AA 255. Lower-Division Ceramics. 2 to 4 hours any term.

Introduction to ceramic techniques and materials. Throwing and moulding. Surface decoration of two- and three-dimensional surfaces. Students participate in stacking, firing, and drawing the kilns. Open to nonmajors.

AA 256. Lower-Division Weaving. 2 to 4 hours any term.

Introduction to weaving techniques. Emphasis on preparation of the loom for weaving. Study of basic weaves on two- and four-harness looms. Introduction to other techniques: tapestry, laid-in, flossa, rya, warp-printing and warp-dyed fabrics. Materials, color, and textures of hand-loomed fabrics.

AA 257. Lower-Division Jewelry. 2 to 4 hours any term.

Introduction to tools and materials used in making jewelry. Development of jewelry design. Setting of stones in metal. "Lost wax" method of casting silver.

UPPER-DIVISION COURSES

AA 401. Special Studies. Hours to be arranged.

AA 405. Senior Assigned Reading. Hours to be arranged.

AA 407. Senior Seminar. Hours to be arranged.

AA 455. Advanced Ceramics. (G) 2 to 6 hours any term.

Advanced studio work in ceramics; individual projects. Emphasis on creative form. Study of material, texture, and functional relationships. Body and glaze making; earthenware, stoneware, and porcelain. Kiln atmospheres and effects on body and glaze. Students assume responsibility for firing their own work. 30 term hours required for major. Prerequisite: 6 term hours in AA 255.

AA 456. Advanced Weaving. (G) 2 to 6 hours any term.

Emphasis on creative work. Materials, color textures, and techniques appropriate to the various fields, such as costume, drapery, and upholstery fabrics. Variations of basic weaves on two-, four-, and twelve-harness looms. 30 term hours required for major.

AA 457. Advanced Jewelry. (G) 2 to 6 hours any term.

Emphasis on creative work, with advanced problems in casting silver. Introduction to enameling.

GRADUATE COURSES

Courses numbered 400-499 and designated (G) may be taken for graduate credit.

AA 501. Special Studies. Hours to be arranged.

AA 505. Assigned Reading. Hours to be arranged.

AA 507. Seminar. Hours to be arranged.

AA 509. Terminal Creative Project. Hours to be arranged.

Art History

Advisers: BALDINGER, ROSS.

THE PROGRAM in art history provides: (1) instruction in this basic aspect of human culture for all University students (all courses in art history are open to nonmajors); (2) the historic background in art and architecture needed in the several major curricula of the School of Architecture and Allied Arts; and (3) a core of studies for a major curriculum in the history of art.

The art-history major combines historical study with creative studio practice. It is designed to provide a broad perspective for the understanding of the art of the past and present, and a basis for critical judgment of individual works of art.

The following lower-division courses are required as preparation for a major in art history:

	Term hours
Lower-division studio courses (basic design, drawing, painting, sculpture, or ceramics).....	12
Survey of Visual Arts (AA 114, 115, 116).....	9
Two years of French or German.....	24

The upper-division major program in art history, leading to a bachelor's degree, includes the following required courses:

	Term hours
Art history (selected).....	36
Drawing, painting, sculpture, or ceramics.....	18
Aesthetics (Phl 441, 442, 443).....	9

LOWER-DIVISION COURSES

AA 114, 115, 116. **Survey of Visual Arts.** 3 hours each term.

Designed to develop insight into the actual work of art, and breadth in the understanding of diverse works of art. Introduction to the principal visual arts as related to daily living; sociological and geographical factors in relation to the visual arts. Open to nonmajors.

UPPER-DIVISION COURSES

AA 337, 338, 339. **History of Architecture I.** 3 hours each term.

Descriptive and critical analysis of architecture from prehistoric times to the Renaissance in Italy. Includes the study of ancient, mediaeval, Islamic, and pre-Columbian American architecture. Open to nonmajors.

AA 340, 341, 342. **History of Architecture II.** 3 hours each term.

Descriptive and critical analysis of architecture from the Renaissance in Italy to the present day. Special attention to the development of modern architecture. Open to nonmajors.

AA 346, 347, 348. **History of Painting.** 3 hours each term.

Chronological and interpretive study of the language of painting. Fall: prehistoric through Italian Renaissance; winter: Renaissance and Baroque in northern Europe and Spain; spring: Oriental painting; modern work in Europe and the United States.

AA 356, 357. **History and Literature of Landscape Architecture.** 3 hours each term fall and winter.

History of gardens as an outgrowth of living conditions from early Egyptian times to modern America; intended to develop knowledge and judgment concerning landscape design. Majors in landscape architecture complete a year sequence with AA 342.

AA 363, 364, 365. **Introduction to the History of Art.** 3 hours each term.

An historical survey of the visual arts from prehistoric to modern times. Selected works of painting, sculpture, architecture, and other arts are studied in relation to the cultures producing them. Designed for nonmajor students, as well as for majors in art history.

AA 376, 377, 378. **History of the Plastic Arts.** 3 hours each term.

A chronological and interpretative study of the language of sculpture, ceramics, and metal work. Fall: prehistoric through mediaeval in Europe. Winter: Renaissance and Baroque in Europe. Spring: Oriental and post-Baroque in Europe and America.

AA 401. **Special Studies.** Hours to be arranged.

AA 405. **Senior Assigned Reading.** Hours to be arranged.

AA 407. **Senior Seminar.** Hours to be arranged.

AA 440, 441, 442. **History of Architecture III.** 1 hour each term.

American architecture. The development of architecture in the United States from the colonial period to the present. Special emphasis on regional building in the Northwest. Seminar discussions and assigned research.

AA 443, 444, 445. **History of Interior Architecture.** 2 hours each term.

The history of the development of interior architecture, covering the study of furniture, textiles, rugs, etc., as an art expression of the life of the people today and in relation to the historical development of the past. Required for majors in interior design. Open to nonmajors.

AA 446, 447, 448. **History of Oriental Art.** (G) 3 hours each term.

Comparative study of architecture, sculpture, landscape design, and painting as expressions of individual and social experience in the cultures of the Far East. Fall: Indian and Indonesian; winter: Chinese; spring: Japanese.

AA 450, 451, 452. **Art in Latin America.** (G) 3 hours each term.

Preconquest art of the Andean, Mexican, Mayan, and related cultures. Development of architecture, painting, and sculpture in the Spanish and Portuguese colonies from the sixteenth to the nineteenth centuries, with emphasis on the fusion of European and indigenous elements. Development of modern art in the twentieth century in Mexico and Brazil.

AA 476, 477, 478. **Backgrounds of Modern Art.** (G) 3 hours each term.

Intensive study of contemporary architecture, sculpture, painting, and other arts. Conducted as a seminar. Open to nonmajors. Prerequisite: AA 114, 115, 116 or AA 363, 364, 365, or equivalent.

GRADUATE COURSES

Courses numbered 400-499 and designated (G) may be taken for graduate credit.

AA 501. **Special Studies.** Hours to be arranged.

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

AA 505. **Assigned Reading.** Hours to be arranged.

AA 507. **Seminar.** Hours to be arranged.

Art Education

Adviser: GLAZER.

THE CURRICULUM in art education leads to a bachelor's degree and to a provisional Oregon state teacher's certificate. The aim of the program is to prepare students for the supervision and teaching of art in the junior and senior high schools. The work is designed to develop appreciation of the arts,

original self-expression in design, an understanding of the processes of the applied arts and crafts, and skill in art teaching.

The following lower-division art courses are required as preparation for a major in art education:

	Term hours
Basic Design (AA 195).....	6
Survey of Visual Arts (AA 114, 115).....	6
Lower-Division Drawing or Painting (AA 290 or AA 291).....	6
Elementary Sculpture (AA 293).....	6
Lower-Division Ceramics (AA 255).....	6

The student's lower-division program must also include 9 term hours in psychology and 9 to 12 term hours in courses in a second teaching field.

The following upper-division courses are required for a major in art education:

	Term hours
Art Education (AA 314, 315, 316).....	9
Art Education (AA 414, 415, 416).....	9
Drawing, painting, ceramics, sculpture.....	12
Lower-Division Weaving or Jewelry (AA 256 or AA 257).....	6
Art history (selected).....	9
Interior Design (AA 388).....	6
Oregon School Law (Ed 316).....	2
Oregon History (Hst 377).....	2
Secondary Education in American Life (Ed 311).....	3
Educational Psychology (Ed 312).....	3
Principles of Teaching (Ed 313).....	3
Special Methods (Ed 408).....	6
Supervised Teaching (Ed 415).....	6
Courses in second teaching field.....	9
Education electives.....	3

A fifth year of preparation is required for permanent teacher certification in Oregon. Students working toward the completion of the fifth-year requirement are advised individually concerning the selection of courses. Students completing a properly planned fifth-year program may qualify for a master's degree.

UPPER-DIVISION COURSES

AA 314, 315, 316. **Art Education.** 3 hours each term.

Methods and techniques of presenting art material to the secondary-school student. Laboratory work in all media used in art instruction in the schools.

AA 401. **Special Studies.** Hours to be arranged.

AA 403. **Senior Thesis.** Hours to be arranged.

AA 405. **Senior Assigned Reading.** Hours to be arranged.

AA 407. **Senior Seminar.** Hours to be arranged.

Ed 408. **Special Teaching Methods.** 3 hours any term.

Problems in art teaching in junior and senior high-schools. Observations, reports, and conferences on materials, methods, subject matter, and classroom procedure.

AA 414, 415, 416. **Art Education.** (G) 3 hours each term.

Study of contemporary influences in art education in regard to method, subject matter, material etc., in relation to teaching problems, lesson plans, units, and courses of study.

Ed 415. **Supervised Teaching.** 1 to 12 hours any term.

One hour a day, five days a week, for two terms during the fourth year. Teaching experience in University High School or in city high schools.

School of Business Administration

VICTOR P. MORRIS, Ph.D., Dean of the School of Business Administration.

WESLEY C. BALLAINE, Ph.D., Director of Bureau of Business Research.

DORIS H. BRUNTON, B.A., Secretary of the School of Business Administration.

Professors: W. C. BALLAINE, J. H. BOND (emeritus), O. K. BURRELL, N. H. COMISH, C. L. KELLY,* A. L. LOMAX, V. P. MORRIS, A. B. STILLMAN.

Associate Professors: W. V. MONEGAN, C. F. ZIEBARTH.

Assistant Professors: D. A. CALLIS, S. T. FORD, M. R. GREENE, A. L. PEETERSON, W. W. PYLE, W. D. RICHINS, W. J. ROBERTS, JESSIE M. SMITH.†

Instructors: DORIS H. BRUNTON, RUTH M. GAUCL, CATHERINE M. JONES, R. C. LOOMIS.

Assistants: B. H. BRACKEN, R. E. DODGE, J. C. EISCHEN, ADA M. FERRARI, F. C. GEIGER, G. G. S. MURPHY, G. L. PAINTER.

THE University of Oregon offers, through the School of Business Administration, a program of major work, both undergraduate and graduate, to prepare young men and women for leadership in the various phases of business and commerce.‡ The school recognizes a primary obligation to provide the trained personnel needed in the rapidly expanding business and economic life of the state of Oregon.

Admission. The major curricula in business administration are organized on an upper-division and graduate basis. Freshman students intending to major in business administration are enrolled in the College of Liberal Arts for a two-year prebusiness program, which combines liberal-arts courses with introductory pre-professional courses in the School of Business Administration.

The lower-division prebusiness courses are planned to provide continuity of training throughout the student's undergraduate years. Educational continuity is further insured through the assignment of members of the staff of the School of Business Administration as faculty advisers to prebusiness students.

Before admission as professional majors in business administration, students must satisfy all lower-division requirements of the University and the College of Liberal Arts. Through courses satisfying group requirements and through elec-

* Retirement effective June 30, 1951.

† On sabbatical leave 1950-51.

‡ An undergraduate program, combining courses in business and courses in a technical field, is offered at Oregon State College through the School of Business and Technology. Technical "minors" are available in agriculture, engineering, forestry, home economics, industrial chemistry, mining or petroleum geology, and applied physics; 36 term hours in the technical minor are required, in addition to courses in business. The State College program leads to a bachelor's degree; by action of the State Board of Higher Education, graduate majors in business are offered exclusively at the University.

tives, prebusiness students are expected to obtain a broad background in the social sciences.

The following courses are required for admission to upper-division major work in business administration:

	Term hours
Constructive Accounting (BA 111, 112, 113).....	9
Elements of Finance (BA 222).....	4
Elements of Marketing (BA 223).....	4
Principles of Economics (Ec 201, 202, 203).....	9
Business English (Wr 214).....	3

Major Curricula. Upper-division major programs, leading to the B.A., B.S., or B.B.A. degree, are offered by the School of Business Administration. Programs may be arranged with emphasis on the following basic fields of specialization:

General Business	Foreign Trade
Accounting	Industrial Management
Advertising and Selling	Industrial Traffic Management and Transportation
Business Education	Merchandising and Marketing
Finance and Investments	Real Estate and Insurance

Students choosing one of these fields of special interest should also take supplementary work in other fields to give breadth to their business training. Majors are also urged to elect courses in geography, psychology, sociology, political science, and economics.

The general major requirement is 43 term hours in upper-division courses in business and economics, in addition to the 29-hour prebusiness requirement stated above, making a total of 72 term hours in business and economics. Of the 43 term hours in upper-division courses required, 24 hours must be in courses in business.

The following courses are required of candidates for the degree of Bachelor of Business Administration: Business Law (BA 416, 417, 418); three courses from the following optional management series: Finance Management (BA 459), Sales Management (BA 435), Business Statistics (BA 432), and either Production Management (BA 429) or Personnel Management (BA 412, 413).

Secretarial Science. Graduates in business administration find skill in typing and shorthand great assets in the business world. For students who have not acquired these skills before coming to the University, the University offers service courses in Typing (SS 121, 122, 123), Stenography (SS 111, 112, 113), and Applied Stenography (SS 211, 212, 213). See page 193.

Teacher Training. The School of Business Administration, in cooperation with the School of Education, offers a major program for the training of teachers of business in the high schools. The program includes courses for the development of skills in typing and shorthand, courses providing a basic knowledge of accounting, and special courses for prospective teachers—Principles of Business Education (BA 421) and Problems in Business Education (BA 422, 423). The student also takes courses in a second teaching field and work in education required for a teacher's certificate. A member of the faculty of the School of Business Administration serves as a special adviser to students preparing for teaching. For information concerning requirements for the Oregon state teacher's certificate, see SCHOOL OF EDUCATION.

Graduate Work in Business Administration. Students who hold a bachelor's degree from an accredited college or university, and who have completed a total of 45 term hours of undergraduate work (or equivalent) in business admini-

stration and economics, may register in the Graduate School for work in business administration leading to the M.B.A., M.A., or M.S. degrees. A student is normally able to earn in one year the 45 hours of graduate credit required for the master's degree. Of these 45 hours, 15 may be taken in some approved allied field selected as a minor. A candidate for the master's degree must present a satisfactory thesis in the field of business administration (for which he receives 9 hours of credit). He must take an oral qualifying examination and a final oral examination. All requirements must be completed within seven years. For the M.A. degree a reading knowledge of one foreign language is required.

Graduates of accredited colleges and universities who wish to take work in business administration, but who do not wish to become candidate for advanced degrees, may register in the Graduate School and be extended the privileges of classification as graduate students. Such students may take courses which best suit their individual needs, without regard for the requirements stated above.

For further information on graduate work, see GRADUATE SCHOOL.

Bureau of Business Research. The school maintains a Bureau of Business Research for the study of business problems related to the state of Oregon and to the Pacific Northwest. The entire staff cooperates in carrying on the work of the bureau. Studies are frequently undertaken at the request of businessmen and officials of the state. Graduate students and seniors assist in the study and solution of problems as a part of their training. The bureau publishes the OREGON BUSINESS REVIEW, a monthly periodical devoted principally to the analysis of current business and economics trends in Oregon and the Pacific Northwest.

The Foreign Trade Advisory Board assists the faculty in shaping the curriculum in foreign trade, and in planning and carrying out the program of the Bureau of Business Research. The members of the board are:

JOHN G. BARNETT, Portland.
 MARK BEACH, Seaport Shipping Company, Portland.
 CARTER BRANDON, Portland Chamber of Commerce.
 HAROLD K. CHERRY, E. G. Griffith & Company, Inc., Portland.
 KENNETH C. COCHRAN, Bank of California, Portland.
 K. C. CONYERS, West Coast Trans-Oceanic Steamship Company, Portland.
 ARTHUR J. FARMER, Manager, Portland Chamber of Commerce.
 WENDELL GRAY, Attorney, Portland.
 CHARLES E. HANEY, Frank P. Dow and Company, Portland.
 LARRY HARRIS, Ames, Harris, Nelville Company, Portland.
 JOHN F. JOHANNSEN, Hyster Company, Portland.
 WALTER JOHANNSEN, United States National Bank, Portland.
 CAPTAIN D. J. MCGARITY, Manager, Commission of Public Docks, Portland.
 A. C. NIELSEN, Inter-ocean Steamship Corporation.
 HAROLD K. SANFORD, Continental Grain Company, Portland.
 CARL SCHENKER, Pillsbury Flour Mills, Portland.
 VELMA SCHOLL, Jantzen Knitting Mills, Portland.
 E. E. SHIELDS, Suddem & Christensen, Portland.
 PETER SMITH, Durham & Bates, Portland.
 RALPH W. SULLIVAN, United States Department of Commerce, Portland.
 HOWARD A. WATERBURY, United States Department of Commerce, Portland.
 WILLIAM L. WILLIAMS, American Mail Line, Portland.
 HERMES WRIGHTSON, Coastwise Lines, Portland.

Courses in Business Administration

LOWER-DIVISION COURSES

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. Stillman, staff.

- BA 221. **Elements of Organization and Production.** 4 hours any term.
Principles of management as applied to commercial and industrial concerns.
- BA 222. **Elements of Finance.** 4 hours any term.
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 any term.
Methods, policies, and problems. Private and cooperative channels, auctions, exchanges, middlemen; demand creation, assembly, standardization, packaging, financing, risk taking, distribution. Required of all majors.

UPPER-DIVISION COURSES

- BA 311. **Retail Accounting.** 3 hours fall.
Study of accounting principles and procedures peculiar to retail stores. Practical problems to familiarize the student with necessary forms and retail accounting routine. Prerequisite: BA 111, 112, 113.
- BA 312. **Principles of Cost Accounting.** 3 hours winter.
Basic principles of cost accounting; departmentalization; expense allocation; designed primarily for students interested in general accounting. Prerequisite: BA 111, 112, 113.
- BA 313. **Analysis of Financial Statements.** 3 hours spring.
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 323. **Office Organization and Management.** 2 hours spring.
Elements of office organization, office management, office records and systems. Special study of the office manager as an executive, and his qualifications. Prerequisite: junior standing. Smith.
- BA 339. **Principles of Advertising.** 3 hours any term.
Advertising as a factor in the distributive process; the advertising agency; the "campaign"; the function of research and testing; the selection of media—newspapers, magazines, broadcasting, outdoor advertising, direct mail.
- BA 371, 372, 373. **Business Techniques for Teachers.** 3 hours each term.
For prospective teachers of business subjects. Integrates the knowledge of various skills, such as typing, shorthand, office-machine operation, filing, book-keeping, etc.; classroom problems; methods of instruction and materials in each teaching area. Demonstrations, lectures, laboratory work. Not open to students who have had SS 111, 112, 113, SS 121, 122, 123. Prerequisite: consent of instructor. Smith.
- BA 401. **Research.** Terms and hours to be arranged.
Supervised individual work in some field of special interest. Subjects chosen must be approved by the major professor. Prerequisite: senior standing. Morris, staff.
- BA 407. **Seminar in Business Problems.** (G) Hours to be arranged.
Prerequisite: BA 222, 223. Morris, staff.
- BA 411. **Business Public Relations.** 3 hours.
Public relations of business firms; tools and techniques for determining public reactions; methods of securing good public relations. Open to nonmajors with consent of the instructor. Ford.

- BA 412. **Personnel Management.** (G) 3 hours.
The place and significance of personnel management in the modern business organization; personnel policies and practices conducive to good relations with employees. Personnel problems of small organizations. Prerequisite: BA 222, 223.
- BA 413. **Wage and Salary Administration.** (G) 3 hours.
Systematic wage and salary program as an essential part of an efficient personnel program. Basic methods for determining individual wage rates and wage structures; job evaluation. Prerequisite: BA 412.
- BA 414. **Problems in Personnel Management.** (G) 3 hours.
Specific personnel problems at various organization levels. Each student proposes solutions, and group solutions are attempted through class discussion, in the light of various viewpoints and sound personnel principles. Prerequisite: BA 411, BA 412, and consent of instructor.
- BA 415. **Regional Planning for Commerce and Industry.** (G) 3 hours spring.
Origin of the planning movement; analysis of regional planning projects with special reference to the Pacific Northwest and its natural resources. Lomax.
- BA 416, 417, 418. **Business Law.** (G) 4 hours each term.
Application of fundamental legal principles to typical business situations; illustrated by selected cases. The following topics are considered: contracts, bankruptcy, insurance, suretyship, sales, agency, personal property, real property, business organizations, partnerships, corporations, associations, trusts, joint stock companies, negotiable instruments.
- BA 421. **Principles of Business Education.** (G) 3 hours.
Aims and objectives of business education; history, trends, issues; curriculum construction at high-school and junior-college levels; instructional problems; research in business education. Prerequisite: upper-division standing and consent of instructor. Smith.
- BA 422, 423. **Problems in Business Education.** (G) 3 hours each term.
Examination of current literature and text materials. Work-experience programs; standards of achievement; guidance programs; placement and follow-up; in-service training for teachers; business entrance tests; evaluation of current methods; auditory and visual aids. Special attention in BA 423 to individual needs of students enrolled. Prerequisite: consent of instructor. Smith.
- BA 425. **Real-Estate Fundamentals.** (G) 3 hours fall or winter.
Problems relating to the purchase, transfer, lease, and financing of land and buildings; home building, site selection, principles of house-and-lot evaluation. Open to nonmajors. Callis.
- BA 426. **Real-Estate Practice.** (G) 3 hours spring.
Application of the principles of land and building management from the standpoint of the broker and owner-operator; real-estate practices and institutions. Prerequisite: BA 425. Callis.
- BA 427. **Real-Estate Appraising.** (G) 3 hours winter.
Specific factors affecting the value of land and buildings; the effect of city structure, zoning, and city planning; demonstrations of various techniques in appraising; preparation of an appraisal report. Prerequisite: BA 425. Callis.
- BA 428. **Manufacturing.** (G) 4 hours fall.
Brief study of principal manufacturing industries of the United States; history, technical processes, and vocabulary. Elementary knowledge of physics and chemistry desirable preparation. Prerequisite: BA 222, 223. Ziebarth.

- BA 429. **Production Management.** (G) 3 hours.
Nature and scope of production processes; economic, technological, regional, and managerial organization of production; plant location; design and layout; control of plant investment; working-capital investment and labor costs; planning production operations. Prerequisite: BA 111, 112, 113; BA 222, 223. Ziebarth.
- BA 430. **Problems in Production Management.** (G) 3 hours.
Analysis of cases representing actual problems in assembling and processing materials in a modern plant. Prerequisite: BA 429. Ziebarth.
- BA 432. **Business Statistics.** 3 hours fall.
Emphasis on appreciation and understanding of statistical methods. Charts and tables; sampling; averages, time-series analysis; index numbers; a brief introduction to the concept of linear correlation. Ballaine.
- BA 433. **Advanced Business Statistics.** (G) 3 hours winter.
Statistical techniques applied to business and economic data. Designed for professional training of business statisticians. Prerequisite: Mth 425, 426 or equivalent; BA 432. Ballaine.
- BA 434. **Problems in Distribution.** (G) 4 hours fall or winter.
Critical study of marketing problems. Strength and weakness of various retail marketing channels; merits and limitations of wholesale marketing channels; extent and adaptability of direct marketing. Prerequisite: BA 223. Comish, Richins.
- BA 435. **Sales Management.** (G) 4 hours winter or spring.
Structure of sales organizations; sales policies; control of sales operations; sales planning; market analysis; coordination of production and sales; selection, training, and management of salesmen. Prerequisite: BA 223. Comish, Richins.
- BA 436. **Retail Merchandising.** (G) 4 hours fall or spring.
Retail policies and problems. Stock-control systems, buying, methods of sales promotion, plant operation, personnel, credit, turnovers, pricing, expense classification and distribution. Prerequisite: BA 223. Comish, Richins.
- BA 437. **Credits and Collections.** (G) 3 hours spring.
The credit and collection policies of wholesale concerns, retail firms, and banks. The sources of credit information, the use of agency reports, interpretation of financial statements; collection tools and their uses. Prerequisite: BA 222, 223. Ballaine.
- BA 438. **Industrial Purchasing.** 3 hours fall or winter.
Forms of industrial and governmental buying organizations; sources of goods, buyers' functions, purchasing procedures and methods, inspection, price policies. Prerequisite: BA 222, 223, or equivalent. Ballaine.
- BA 440. **Advertising Production.** (G) 3 hours fall or winter.
Instruction in the technical aspects of advertising. Printing and engraving, lithography, rotogravure, silk-screen process, paper, ink, and color. Production planning of advertising material. Lectures and laboratory. Prerequisite: BA 339.
- BA 441. **Radio Advertising.** (G) 2 hours.
A study of the principles of radio advertising and of the techniques involved. Radio's place in modern advertising; methods of measuring circulation, planning campaigns, writing copy, checking results. Prerequisite: BA 339.
- BA 442. **Principles of Salesmanship.** (G) 3 hours spring.
Principles and techniques of personal salesmanship; selling reactions. From the standpoints of seller and buyer. Prerequisite: BA 223. Comish, Richins.

- BA 443. **Newspaper Advertising.** (G) 3 hours winter.
The salesmanship of advertising, including a study of the organization and methods of the advertising department of newspapers and other publications. Prerequisite: BA 339.
- BA 444. **Advertising Problems.** (G) 3 hours winter.
The student is given an opportunity to cultivate his judgment through consideration of actual marketing and merchandising problems, in the solution of which advertising may be a factor. Prerequisite: BA 339, BA 440.
- BA 445. **Retail Advertising.** (G) 3 hours.
Study of management problems of the retail advertising department. Advanced practice in layout, copy, and production of retail advertising for newspapers, radio, and direct mail. Prerequisite: BA 339.
- BA 446. **Advertising Copywriting.** (G) 2 hours.
Training and practice in the art of writing advertising copy for various media. Study of diction, sentence structure, headlines and slogans, style. Open only to seniors. Lectures and laboratory. Prerequisite: 9 hours in advertising.
- BA 448. **Air Transportation.** (G) 3 hours.
Air transportation systems; Federal regulation; airport development in the United States; feeder air lines; nonscheduled air transportation. Prerequisite: BA 111, 112, 113; BA 222, 223. Ziebarth.
- BA 449, 450, 451. **Industrial Traffic Management.** (G) 3 hours each term.
Organization of a traffic department; organization and services of rail, truck, and air lines; theory and application of freight rates; shipping documents; routing; materials handling; claims; classification and rate-committee procedure. Prerequisite: BA 222, 223; BA 450 prerequisite to BA 451. Ziebarth.
- BA 452. **Advanced Industrial Traffic Management.** (G) 3 hours.
Application of the Interstate Commerce Act; preparation of cases before the Interstate Commerce Commission; practice and procedure before the I.C.C. Prerequisite: BA 451.
- BA 453. **Business Policy.** (G) 3 hours fall.
Coordination of the specialized work given in the school; the interdependence of different departments of a business concern. Open to upper-division majors who have had or are taking Business Law. Prerequisite: BA 222, 223; Ec 201, 202, 203. Ziebarth.
- BA 454. **Casualty Insurance.** (G) 3 hours fall.
Organization of companies, risks covered, and contracts, in accident insurance of all types. Automobile, plate glass, elevator, public liability, steam boiler, burglary, robbery, forgery, etc. Greene.
- BA 455. **Life Insurance.** (G) 3 hours winter.
Types of life insurance, contracts, rate making, reserves, selections of risks, life insurance and the state. Prerequisite: consent of instructor. Greene.
- BA 456. **Property Insurance.** (G) 3 hours spring.
Nature of coverage, types of underwriters, types of contracts; analysis of the policy contract, special endorsements and factors determining rates and adjustment of losses. Prerequisite: consent of instructor. Greene.
- BA 459. **Finance Management.** (G) 5 hours winter or spring.
Financial problems involved in promotion, organization, obtaining permanent and working capital, bank loans, commercial-paper borrowing, management of earnings, administration policies and reorganization. Prerequisite: BA 222, 223. Greene.
- BA 460. **Financial Institutions.** (G) 3 hours winter.
Services, operations, and economic effects of financial institutions and govern-

- ment lending agencies with which businessmen come in contact. Emphasis on commercial banks. Ballaine.
- BA 463, 464, 465. **Investments.** (G) 3 hours each term.
Methods for evaluating various kinds of investment securities; formulation of an investment policy. Detailed study of the special phases of investments, including taxation, brokerage services, and security markets. Application of investment principles to the analysis of specific securities in the industrial, public-utility, and railroad fields. Burrell.
- BA 466. **Business Cycles.** (G) 3 hours fall.
Study of economic changes; classification and analysis of business-cycle theories. The availability, use, and limitations of business barometers in forecasting; their possible application to the business enterprise. Prerequisite: junior standing. Greene.
- BA 467. **Public-Utility Management.** (G) 3 hours spring.
Production, distribution, and finance problems of public utilities; rates, accounting methods, flotation of securities, public relations, and consolidations. Prerequisite: BA 222, 223. Ziebarth.
- BA 471, 472, 473. **Management of Ocean Shipping.** (G) 3 hours each term.
A year sequence in shipping economics and techniques. Fall: ocean-carrier organization; functions of the port engineer; operating problems related to fuels and power plants. Winter: functions of the terminal superintendent; harbor belt lines; foreign-trade zones; functions of the freight traffic manager; handling and stowage of cargo; papers and documents. Spring, chartering; freight forwarding; marine insurance. Prerequisite: BA 222, 223 or consent of instructor. Lomax.
- BA 474. **Foreign Exchange and International Finance.** (G) 3 hours spring.
An analysis of foreign-exchange principles and practices involved in the financing of export and import shipments. Ballaine.
- BA 475, 476, 477. **Foreign-Trade Marketing.** (G) 3 hours each term.
Fall: export and import department organization; foreign-trade advertising; communications; channels of distribution. Winter: standard sales-contract terms; foreign credits and collections; arbitration. Spring: special laws of foreign trade; market surveys. Prerequisite: BA 471, 472, 473 or consent of instructor. Lomax.
- BA 479, 480, 481. **Income-Tax Procedure.** (G) 2 hours each term.
Income-tax laws of the United States and the state of Oregon. Facts involved in making up the various returns; use of the various sources of information. Prerequisite: senior standing; BA 483, 484, 485 or equivalent. Kelly, Monegan.
- BA 482. **Social and Economic Aspects of Insurance.** 3 hours spring.
Study of the impacts of insurance upon the life of the people. Investments of insurance companies; creation and preservation of estates; economic and social effects of insurance. Prerequisite: BA 454, BA 455, or BA 456. Greene.
- BA 483, 484, 485. **Accounting Theory and Practice.** (G) 3 hours each term.
The theory of accounting records and statements; statements of affairs, depreciation, analysis of profit-and-loss accounts, receiverships, balance-sheet construction and problems. Required of students majoring in accounting. Burrell.
- BA 486. **Municipal Accounts and Audits.** (G) 3 hours fall.
Principles of fund accounting and budgetary control. Oregon laws and decisions of the attorney general relative to accounts, finance, and auditing of municipalities. Audit procedures incident to municipal accounts. Stillman.
- BA 487, 488. **Advanced Cost Accounting.** (G) 3 hours each term, winter and spring.

- Intensive study for students desiring to enter the field of cost accounting or other professional accounting work. Principles and cost procedures, with application to practical problems. Prerequisite: BA 111, 112, 113. Stillman.
- BA 489, 490, 491. **Advanced Accounting Theory and Practice.** (G) 3 hours each term.
Application of the technical phases of accountancy. Professional training in practical accounting theory and auditing. Prerequisite: BA 483, 484, 485. Required of accounting majors. Monegan.
- BA 492, 493, 494. **Auditing.** (G) 3 hours each term.
Auditing procedure involved in connection with assets and liabilities, including intangible assets and contingent liabilities, accounts showing net worth, closing of an audit, and preparation of audit reports. Prerequisite: BA 483, 484, 485; BA 489, 490. Kelly, Monegan.
- BA 496, 497, 498. **Internal Accounting.** (G) 3 hours each term.
Installation of cost systems and methods of accounting control. Report writing including technique, style, and form. Problems and research. Prerequisite: senior standing.

GRADUATE COURSES

Courses numbered 400-499 and designated (G) may be taken for graduate credit.

- BA 501. **Advanced Commercial Research.** Hours to be arranged.
Examination and criticism of typical studies in business research. Methods of procedure adapted to various types of business problems. Practice studies applying methods of business research.
- BA 503. **Graduate Thesis.** Hours to be arranged.
- BA 507. **Graduate Seminar.** Hours to be arranged.
- BA 520, 521, 522. **C.P.A. Problems.** 5 hours each term.
Intensive study of problems and questions asked by examining boards and in the American Institute of Accountants examinations. Training in correct analysis and correct form and in speed in solving problems. Prerequisite: consent of instructor. Kelly.

COURSES OFFERED ONLY IN SUMMER SESSIONS AND EXTENSION

- BA 419, 420. **C.P.A. Problems.** 2 hours each term (extension).
- BA 499. **Advanced Accounting Problems.** (G) 3 hours (summer).

Courses in Secretarial Science

LOWER-DIVISION COURSES

- SS 111, 112, 113. **Stenography.** 3 hours each term.
Gregg shorthand. Students must also take SS 121, 122, 123, unless they have had equivalent training. Students who have had one year of high-school shorthand may not take SS 111 for credit. 4 recitations. Jones.
- SS 121, 122, 123. **Typing.** 2 hours each term.
Touch typing; rhythm drills, dictation exercises; arrangement of business letters. Students with one year of high-school typing may not take SS 121 for credit. 5 hours laboratory; 1 hour home assignment. Brunton, Jones.
- SS 211, 212, 213. **Applied Stenography.** 3 hours each term.
Development of speed in taking dictation and in transcription. Advanced phrasing and vocabulary. Intensive work with business letters, forms, and reports. Verbatim conference reporting. Smith.

Dental School

HAROLD J. NOYES, D.D.S., M.D., Dean of the Dental School.

TED RUSSELL, M.S., Business Manager and Registrar.

THE University of Oregon Dental School, located in Portland, was established through an act of the 1945 Oregon Legislature; the act accepted the gift of the property of the North Pacific College of Oregon in Portland, and incorporated the college into the Oregon State System of Higher Education as a school of the University. The North Pacific College of Oregon was the outgrowth of a merger in 1900 of the Tacoma Dental College (founded in 1893) and the Oregon College of Dentistry (founded in 1898).

The professional curriculum in dentistry offered by the University of Oregon Dental School leads to the degree of Doctor of Dental Medicine; it is organized to provide the basic scientific knowledge, the mechanical skills, and the clinical experience essential for competence and success in the profession. The curriculum requires four academic years of didactic and clinical training, following a minimum of two academic years of preprofessional work in liberal arts at an accredited college or university. The University offers, on the Eugene campus, two-year and three-year pre-dental curricula which satisfy the admission requirements of the University of Oregon Dental School. See page 95.

The Dental School also offers a two-year program of training for dental hygienists.

Detailed information concerning the faculty, facilities, requirements, and curriculum of the Dental School is published in a separate catalog. Copies of this catalog will be furnished on request. The Dental School is located at 809 N.E. Sixth Ave., Portland, Ore.

School of Education

PAUL B. JACOBSON, Ph.D., Dean of the School of Education.

EARL M. PALLETT, Ph.D., Director of Teacher Placement.

GERALDINE PICKETT, B.A., Secretary to the Dean.

Professors: C. E. AVERY, QUIRINUS BREEN, ALBUREY CASTELL, F. B. HAAR, C. W. HINTZ, C. L. HUFFAKER, P. B. JACOBSON, J. R. JEWELL (emeritus), P. E. KAMBLY, P. A. KILLGALLON, R. W. LEIGHTON, R. C. MCCALL, E. M. PALLETT, F. L. STETSON (emeritus), H. B. WOOD.

Associate Professors: J. C. CAUGHLAN, MAUDE GARNETT, A. C. HEARN, DOROTHY MOHR, R. E. NYE, A. A. SANDIN, R. S. VAGNER.

Assistant Professors: ELIZABETH FINDLY, JEAN K. GLAZER, BERNICE RISE, J. F. RUMMEL, MILDRED C. SCHMIDT, MYRTLE S. SPANDE, V. S. SPRAGUE, FLORENCE VANDERWICKEN.

Instructors: ABBY ADAMS, AGNES BEST, ALICE GEROT, VIRGINIA GREER, G. D. HADLEY, J. E. HALE, R. C. HENDRICKSON, J. A. PIERCE-JONES, V. E. KERLEY, RHETTA M. LORENZEN, L. F. MILLHOLLEN, N. C. ODOM, MILDRED WILLIAMS.

Associates: EDWARD ACKERMAN, DOUGLAS ADAMS, HAROLD ALLISON, G. W. BARRON, RUTH BEACON, SEVILLA BERREMAN, NINA C. BOESON, J. P. BURCH, BEATRICE BURKE, FEDERICA COONS, WILLIAM CURRY, MILDRED DART, W. E. DEDMAN, KEITH DECOURCEY, BERYL DEFORD, GERTRUDE DEIRLEIN, MABEL DEVOS, CLARENCE DIEBEL, JESS DUNNING, MAECEL EDWARDS, RUTH EHRLICH, HARRY ERICKSON, RUFUS FRANZ, OREN FREERKSEN, MARION FULKERSON, JANE GEHRING, EDNA GLINES, E. A. GOODNOUGH, MINERVA GRIFFIS, MARIE GROVES, RUSSELL HARRISON, FREDA HARSHBARGER, NETTIE M. HAUGEN, ZILDA HAYES, RUSSELL HENDRICKS, ESTHER HETTINGER, CLARENCE HINES, LAUREL HJELTE, VERL HOOVER, A. I. HUFF, HELEN HUGHES, ALBERT JOHNSON, HARRY JOHNSON, WILLIAM JOHNSON, ERWIN JUILFS, B. C. KERN, KENNETH KIENZLE, NINA Z. KITTS, H. E. KUCHERA, LA VERN LAMB, HELEN M. LETTOW, DEAN LOBAUGH, MARY E. MALLERY, ROY MALLERY, MARY MATTLEY, OLA MCDERMOTT, HELEN MCKENNEY, DUANE R. MELLEM, D. W. MICKELWAIT, BYRON MILLER, CHARLES MULLALEY, ELIZABETH NELSON, G. B. NELSON, GEORGE NIEMI, HANK NILSEN, LOUISE NIMMO, MEREDITH OLSON, RETTA OTTO, PAULINE PEARCE, ALICE PECK, EUGENIA PECKHAM, LOLITA PIERSON, VIVIAN PITMAN, D. R. POTTER, P. F. POTTER, MONTANA RICKARDS, BESSIE ROBERTSON, NORA ROBERTSON, FRANK ROMANO, MAXINE ROWAN, HARRY SACKETT, ESTLEY SCHICK, PAUL SCRANTON, LLOYD SEEMAN, LYLE SMALL, GILBERT SPRAGUE, BERTHA THOMPSON, MARIE TINKER, RUSSEL TOMPKINS, WILLIAM TWEEDIE, L. V. WARD, CECIL WARNER, VIRGINIA WEST, J. A. WICKHAM, CHARLES WILBUR, VEOLA WILMOT, CORA WIPER, BARBARA WOLFE, CAROLYN WOODS, OWEN ZOOK.

Fellow: R. R. WIEGMAN.

Assistants: H. M. BALDERSTONE, E. W. BOWMAN, A. J. COPE, B. F. EVANS, A. A. HABERLY,* HOWARD IMPECOVEN, V. J. WEIDENSEE.

* Resigned Dec. 20, 1950.

ALL professional preparation for teaching within the State System of Higher Education, except undergraduate preparation for elementary-school teaching, is organized under the School of Education. The school is concerned especially with the preparation of teachers for the high schools of Oregon, and with the promotion of high standards of secondary education.

The School of Education operates on both the University and the State College campuses. Preparation for high-school teaching in the various fields is divided between the two institutions in accordance with the allocation of major curricula. The director of high-school teacher training, with offices on the University campus, has administrative control over all high-school teacher education within the State System.

At the University are given general education courses, professional work in educational administration, and major curricula preparing for the teaching of literature, languages, speech, social sciences, biological science, general science, physical science, mathematics, art, business, music, health and physical education, and approved combinations of subjects. The University also offers graduate work in the field of elementary education, and training to prepare teachers for work with exceptional children.

At the State College are given major curricula preparing for the teaching of biological science, general science, physical science, mathematics, agriculture, home economics, industrial arts, secretarial science, and approved combinations of subjects, and for educational and vocational guidance.

Professional Program. In planning its program, the School of Education has recognized three qualifications for a good teacher: (1) a broad and liberal education; (2) mastery of subject matter; (3) an understanding of child and adolescent psychology, and of professional problems and techniques.

To encourage prospective teachers to devote their first two years at the University exclusively to liberal studies and to basic work in the subject fields, the University of Oregon has organized its professional instruction in education on an upper-division and graduate basis, and requires junior standing for admission to major work in the School of Education. Lower-division students planning to major in education register in the College of Liberal Arts during their first two years in the University. A student who, by the time he has completed his lower-division work, has decided on the teaching field in which his principal interest lies is encouraged to continue work toward a bachelor's degree in this subject field—completing as electives the professional courses in education required by the state of Oregon for teacher certification.

An undergraduate major program in education is, however, available, principally for students with a definite, mature interest in educational administration and for transfer students for whom this major may be convenient. The program leads to the Bachelor of Arts, Bachelor of Science, or Bachelor of Education degree.

Professional work in education beyond the undergraduate courses required for certification is offered principally at the graduate level. Programs of specialized graduate study are offered in: school administration and supervision, remedial and diagnostic work in reading and other phases of the education of handicapped children, curriculum and instruction, elementary education, secondary education, higher education, educational psychology, history and philosophy of education. Graduate work in education leads to the following degrees: Master of Arts, Master of Science, Master of Education, Doctor of Philosophy, Doctor of Education.

Special programs of graduate study are also offered toward the satisfaction of the Oregon state requirement of a fifth year of college work for regular high-

school teacher certification. If his program is properly planned, the student may qualify, on the completion of the fifth year, for the degree of Master of Science in General Studies or for a departmental master's degree with a major in a subject field or in education.

School Administration. The program in school administration is differentiated from the program for students preparing for classroom teaching only at the graduate level. During his undergraduate years, the student takes courses in education and in subject fields required for teacher certification, and satisfies University requirements for a baccalaureate degree. In his fifth year, the student planning to prepare himself for educational administration should take Ed 572, Ed 573, Ed 574, in addition to courses required for a teacher's certificate. This sequence satisfies the general academic requirement for the Oregon administrative credential—12 term hours of preparation in addition to that required for a teacher's certificate. (Candidates for the elementary principal's credential who have had teaching experience may take Ed 572, Ed 573, Ed 574 during their senior year.)

Since the state of Oregon issues six different administrative credentials, each requiring the completion of specific courses, all students planning to prepare for administrative work should obtain further information from the School of Education.

In addition to courses satisfying the minimum requirements for an administrative credential, the School of Education offers a program of graduate work in the field of administration, leading to master's and doctor's degrees.

Curriculum Studies. The Curriculum Laboratory, established by the School of Education in 1937, provides excellent facilities for specialized study of the public-school curriculum and for practical research on curriculum problems. The equipment of the laboratory includes: (1) the most recent and important courses of study, units, and other curriculum materials available in the United States; (2) a comprehensive collection of elementary- and secondary-school textbooks; (3) a complete file of standardized tests and other instruments of pupil evaluation; (4) a large collection of free and inexpensive pamphlets, maps, exhibits, and other materials suitable for use in the classroom; (5) selected professional books on the curriculum; (6) bibliographies on various phases of the curriculum.

Through the Curriculum Laboratory, the School of Education provides consultant services on curriculum problems to the school systems of Oregon, by means of extension courses, curriculum and evaluation surveys, and curriculum conferences.

Education of the Exceptional Child. Through the DeBusk Memorial Clinic, named for its founder and first director, the late Dr. Burchard Woodson DeBusk, the School of Education offers instruction designed: (1) to help classroom teachers to meet the special needs of handicapped children in their regular classes; (2) to provide partial preparation for remedial-reading teachers and specialists in the education of handicapped children; and (3) to satisfy, in part, the course requirements for the Oregon special-education certificate. This certificate, issued by the State Superintendent of Public Instruction, is granted to teachers qualified to deal with all classes of handicapped or maladjusted children or children with extreme learning problems.

For the Oregon special-education certificate, a total of 42 term hours of work in education and related fields is required, including 6 term hours in general education courses and 36 term hours in special education. Training in certain areas is specified. The following University courses satisfy these requirements:

General education:	Term hours
Educational Psychology (Ed 312)	3
Secondary Education in American Life (Ed 311)	3
Psychology of Adjustment (Psy 204)	3
Genetic Psychology (Psy 411)	3
Special education:	
Education of Handicapped Children (Ed 435) or Psychology of Exceptional Children (Ed 462)	3
Social Work and Public Welfare (Soc 342)	3
Clinical Methods in Psychology (Psy 431, 432)	6
Diagnostic and Remedial Techniques (Ed 465)	3
Psycho-Educational Clinic (Ed 409)	6
The Maladjusted Child (Ed 463)	3
The Mentally Handicapped Child (Ed 464)	3
Speech Defects and Disorders (Sp 481, 482)	6

Elementary Education. Under a cooperative arrangement between the University of Oregon and the Oregon colleges of education, students may prepare for elementary-school teaching through a four-year program combining work in residence at the University with intensive professional training at one of the three colleges of education. The arrangement is intended to contribute to the solution of the present critical shortage of elementary teachers in Oregon, and has been adopted for a five-year period ending July 1, 1956.

Under this plan, students who complete a lower-division liberal-arts program at the University may begin professional work in elementary education at the University in their junior year. On the recommendation of the dean of the School of Education, these students will be admitted to one of the three colleges of education at the beginning of their senior year for two terms of intensive professional study, after which they will normally return to the University campus for a final term devoted to student teaching (10 term hours, directed by the college of education) and course work (6 term hours).

Students who complete this program satisfactorily are awarded the degree of Bachelor of Education or Bachelor of Science with a major in education by the University; they may also qualify for a degree from the college of education attended.

The program summarized above is intended to facilitate preparation for elementary-school teaching by students who have begun their college work at the University. High-school seniors who have decided on elementary teaching as a career are normally advised to enroll as freshmen at one of the colleges of education (Oregon College of Education, Monmouth; Eastern Oregon College of Education, La Grande; Southern Oregon College of Education, Ashland), where the Oregon State Board of Higher Education maintains full four-year programs for the professional preparation of elementary teachers.

In addition to participation in this cooperative program, the University offers graduate work in elementary education for teachers and administrators who wish to work toward advanced degrees.

Supervised Teaching. The School of Education provides an opportunity for supervised high-school and junior-high-school teaching in all the major fields allocated to the University. Supervised teaching cannot be done at the University in fields in which the University does not offer major work. Student teachers observe teaching by expert instructors, work out their own lesson plans under the guidance of the supervisors, and teach high-school classes under close supervision. Credit for supervised teaching is granted only on the approval of the director of supervision.

Bureau of Educational Research. Through the Bureau of Educational Research the faculty of the School of Education investigates educational problems, frequently at the request of school officials. The bureau is often called upon for

advice concerning educational tests and their use. School systems are aided in the study of their peculiar problems. Expert building and financial surveys are made for various cities and counties of Oregon. Cooperative testing programs have been established in several of the larger systems of the state.

Teacher Placement Service. A Teacher Placement Service is maintained by the School of Education for the placement of graduates of the University who are prepared and qualified to teach in the secondary schools. The Placement Service compiles and makes available to school officials full information concerning the preparation and experience of graduates who desire teaching positions. The Placement Service also furnishes to students information concerning the certification requirements and school laws of other states, and recommends graduates for certification in other states, on the endorsement of the dean of the School of Education and the University Registrar. The following fees are charged by the Placement Service:

Registration fee	\$5.00
Charge for late registration	1.00
Charge for late payment of registration fee	1.00
Credential fee .....	.25

The schedule of dates for registration and payment of registration fees may be obtained at the Placement Service office. The credential fee is charged if credentials are sent at the request of the applicant, but not if they are sent at the initiative of the Placement Service or at the request of a prospective employer.

Library Instruction. The University offers, through the School of Education, a series of courses designed for: (1) students preparing for positions as librarians and teacher-librarians in the public schools; (2) teachers and prospective teachers who wish to become better acquainted with books and other library materials suitable for use with children and young people; (3) school administrators who wish to explore from an administrative viewpoint the place of the library in the instructional program of the school; (4) University students in general, to acquaint them with the resources of the University Library, and to provide instruction in the efficient use of these resources; (5) University students who are interested in a general survey of books and reading.

State Teacher's Certificate

ALL teachers in the high schools of the state of Oregon must hold a high-school teacher's certificate, issued by the State Superintendent of Public Instruction. Students wishing to qualify for certification and placement should confer with members of the faculty of the School of Education not later than the end of the second term of their sophomore year. Two types of certification are recognized in Oregon: (1) provisional certification; (2) regular certification.

Provisional Certification. Provisional certification is granted upon the completion of the requirements for a baccalaureate degree from a standard college, university, or teachers college qualified to prepare teachers for secondary-school teaching in the state of Oregon. The student's undergraduate program must include the 17 term hours in education listed below under regular certification requirement (2) and Oregon History (Hst 377).

The student's undergraduate program should include courses providing a broad knowledge of English and literature, social studies, natural science and mathematics, and fine arts. Believing that such liberal studies should be a funda-

mental part of the preparation of every secondary-school teacher, the Oregon State Department of Education has recommended that every teacher employed in state-approved schools should have completed, as a minimum, the following college work:

English (composition, literature, speech, drama)—24 term hours. A maximum of 6 term hours in library science may be applied toward the satisfaction of this recommendation.

Social Studies (history, political science, economics, sociology, geography, philosophy)—24 term hours.

Science and Mathematics—17 term hours (including 9 term hours in biological science and 8 term hours in physical science or mathematics or in both of these subjects).

Arts and Crafts (music, plastic, graphic, and industrial arts)—6 term hours. Equivalent accomplishment in performance may be accepted, if approved by the teacher-training institution.

Provisional certification may be continued over a maximum period of five years; during each of these five years the teacher must earn not less than 9 term hours in college courses, at the upper-division or graduate level, toward the satisfaction of the fifth-year requirement for regular certification. Many students will find it possible, while meeting this requirement, to satisfy also the requirements for the degree of Master of Science in General Studies or for a departmental master's degree in a subject field or in education.

More detailed information concerning regulations governing provisional certification may be obtained from the School of Education.

Regular Certification. To be eligible for regular certification, the applicant must have completed:

(1) A total of 45 term hours of upper-division or graduate work, after meeting the requirements for the baccalaureate degree.

(2) A minimum of 32 term hours of work in education, of which 17 term hours must be undergraduate and 9 graduate work. The undergraduate work must be distributed as follows:

	Term hours
Secondary Education in American Life (Ed 311)	3
Educational Psychology (Ed 312)	3
Principles of Teaching (Ed 313)	3
Supervised Teaching (Ed 415)	6
Oregon School Law and System of Education (Ed 316)	2

(3) Oregon History (Hst 377).

(4) A minimum of 3 hours in General Psychology—6 recommended (prerequisite to Ed 311, Ed 312).

Special Methods (Ed 408) is recommended as an undergraduate elective in education.

Subject Preparation

UNDER regulations adopted by the Oregon State Board of Education, new teachers employed in approved high schools may be assigned to teach only in those subject fields in which they have completed a stated minimum of college preparation. University courses which satisfy these minimum state require-

ments in the several fields are listed on the following pages, together with additional courses to meet University standards of adequate subject preparation.

The University finds it difficult to place a beginning teacher who has not prepared himself, through suitable University courses, for the teaching of at least two subjects. To insure better opportunities for placement, it is desirable that students intending to teach qualify for the supervision of an extracurricular activity and, if possible, for teaching in a third subject field.

One of the student's subject fields must be a field in which the University offers supervised teaching, namely: art, biological science, business, chemistry, English, French, general science, German, health education, journalism, Latin, mathematics, music, physical education, physics, social science, Spanish, or speech. Exceptions to this requirement may be made in the case of students transferring from other institutions, who have completed courses in special methods and supervised teaching before entering the University.

Certain courses offered by the several schools and departments of the University, which do not satisfy education or subject requirements, are of great help to teachers. Students should consult members of the faculty of the School of Education concerning such supplementary training that would be of particular value in relation to their individual training programs.

ART

MINIMUM REQUIREMENTS OF STATE BOARD OF EDUCATION

No State Board of Education requirements.

ADDITIONAL COURSES TO MEET UNIVERSITY STANDARDS

Basic Design (AA 195)	6
L.D. Painting (AA 290) or	
L.D. Drawing (AA 291)	6
L.D. Ceramics (AA 255)	4
Art Educ. (AA 314, 315, 316)	9
Art Educ. (AA 414, 415, 416)	9

BIOLOGICAL SCIENCE

Biology: 18 term hours. Requirement should be satisfied with selections from the following courses:

Gen. Zoology (Bi 201, 202, 203)	12
Gen. Botany (Bi 204, 205, 206)	12
Biol.-Sc. Survey (GS 101, 102, 103)	12
Intro. to Bacteriology (Bi 311)	3
Human Physiology (Bi 311, 312, 313)	6

Upper-division courses in biology24

BUSINESS

No additional courses.

Commerce: shorthand, 18 term hours (may include high-school or business-college work evaluated in terms of college credit or equivalent performance standards); typing, 6 term hours (may include high-school or business-college work); bookkeeping, business training, commercial law, 24 term hours. Requirement should be satisfied with the following courses:

Stenography (SS 111, 112, 113)	9
Applied Stenog. (SS 211, 212, 213)	9
Typing (SS 121, 122, 123)	6
Const. Account. (BA 111, 112, 113)	9
Office Org. & Mgt. (BA 323)	2
Business Law (BA 416, 417)	8

Two or more of the following:

Retail Accounting (BA 311)	3
Princ. of Cost Account. (BA 312)	3
Elements of Finance (BA 222)	4
Elements of Marketing (BA 223)	4

CHEMISTRY

MINIMUM REQUIREMENTS OF STATE BOARD OF EDUCATION

Chemistry: 12 term hours. The requirement should be satisfied with:
Elementary Chemistry (Ch 101, 102, 103) or General Chemistry (Ch 201, 202, 203)12-15

ADDITIONAL COURSES TO MEET UNIVERSITY STANDARDS

If the student takes Ch 101, 102, 103:
General Chemistry (Ch 203) 5
Analyt. & Theoretical Chem. (Ch 204, 205, 206)15

If the student takes Ch 201, 202, 203:
Analyt. & Theoretical Chem. (Ch 204, 205, 206)15

ENGLISH

English: 36 term hours, including at least 9 term hours in composition and rhetoric; it is recommended that a substantial amount of work in speech be included in this training. The requirement should be satisfied with the following:

Eng. Comp. (Wr 111,112,113) (two terms) 6
Survey of Eng. Lit. (Eng 101, 102, 103) or Apprec. of Lit. (Eng 104, 105, 106) or Intr. to Lit. (Eng 107, 108, 109) 9
Shakespeare (Eng 201, 202, 203) (two terms) 6
Eng Comp. for Teachers (Wr 311) 3
Survey of American Lit. (Eng 261, 262, 263) (two terms) or Lit. Found. of American Life (Eng 475, 476, 477) (two terms) 6
Fund. of Speech (Sp 111) or Speech for Class. Teachers (Sp 411) 3
Prod. of Sch. & Com. Plays (Sp 367) 3
Credit in Corrective Eng. (Wr K) is not accepted toward the satisfaction of the requirement.

Upper-division courses in English literature, as follows:
Periods 6
Types 6
Authors 6

If the student takes Eng 475, 476, 477, Modern Spirit in American Lit. (Eng 478, 479, 480) (two terms) 6

Six term hours in upper-division speech courses (from those listed below):

Fund. of Stagecraft (Sp 261) 3
Argument, Discussion, & Persuasion (Sp 321, 322, 323) 9
Theory & Pract. in Pub. Address (Sp 324) 3
Play Direction (Sp 364) 3
Speech Defects (Sp 481, 482) 6

FRENCH

Languages: The equivalent of 30 term hours of college preparation in each language taught (high-school credits evaluated in terms of college hours may be accepted in meeting the minimum requirement). The requirement in French should be satisfied with:

Second-Year French (RL 4, 5, 6)12
French Lit. (RL 201, 202, 203 or RL 311, 312, 313) 9
Inter. French Comp. (RL 314, 315, 316).... 6
Fr. Pron. & Phonetics (RL 320, 321, 322) (two terms) 4

For students who have not studied French in high school:

First-Year French (RL 1, 2, 3,)12
Second-Year French (RL 4, 5, 6,)12
Fr. Pron. & Phonetics (RL 320, 321, 322) or Inter. Fr. Comp. (RL 314, 315, 316).. 6

GENERAL SCIENCE

Elementary Science: 24 term hours in the natural sciences, including at least 9 term hours in physical science and 9 term hours in biological science. The requirement should be satisfied with:

Year sequence in biology12
Year sequence in physics or chemistry.....12

Year sequence in physics (if chemistry taken for state requirement) or chemistry (if physics taken for state requirement)12
Additional year sequence in science (geology recommended)12

GERMAN

MINIMUM REQUIREMENTS OF STATE BOARD OF EDUCATION

See State Board requirements under *French*. The requirement in German should be satisfied with:

First-Year German (GL 1, 2, 3)12
Second-Year German (GL 4, 5, 6) 12
Ger. Conv. & Comp. (GL 334, 335, 336)..... 6

ADDITIONAL COURSES TO MEET UNIVERSITY STANDARDS

German Lit. (GL 201, 202, 203 or GL 343, 344, 345) 9
Adv. Ger. Comp. (GL 424, 425, 426) 6
Ger. Cult. & Civil. (GL 340, 341, 342) 6

HEALTH EDUCATION

Health Education: 12 term hours. The minimum requirement may be satisfied with the following:

Health-Ed. Workshop (HE 411, 412, 413) 9
First Aid (HE 252) 3
These courses are recommended for the student who satisfies only the minimum requirement of the State Board of Education. They are not part of or prerequisite to the recommended program listed in the column to the right.

Biol. Sc. Sur. (GS 101, 102, 103)12
Intro. to Bacteriology (Bi 311) 3
Princ. of Dietetics (HEC 225) 2
Community H. Problems (HE 361) 3
Personal H. Problems (HE 362) 3
Com. & Noncom. Diseases (HE 363) 3
Health Instruction (HE 464) 3

HOME ECONOMICS

Home Economics: 24 term hours. The requirement should be satisfied with the following courses:

Clothing Constr. (HEC 111, 112, 113) 6
Clothing Select. (HEC 114, 115, 116) 3
Foods (HEC 211, 212, 213) 9
Child Care & Train. (HEC 325) 3
Household Mgt. (HEC 339) 3

One course from the following group:

Home Plan. & Furnish. (HEC 331) 3
Textiles (HEC 125) 2
Princ. of Dietetics (HEC 225) 2
Family Relationships (HEC 222) 2
Supervised teaching in home economics is not offered at the University.

JOURNALISM

No State Board requirements.

Mech. of Publish. (J 311) 3
Typography Lab. (J 313) 1
Reporting (J 331) 3
Princ. of Advert. (J 339) 3
Copyediting (J 434) 3
Hist. of Journ. (J 428) or Public Opinion (J 429) 3
Supervision of Sch. Pub. (J 511) 3

LATIN

See State Board requirement under *French*. The requirement in Latin should be satisfied with:

First-Year Latin (CL 4, 5, 6)12
Second-Year Latin (CL 7, 8, 9)12
Latin Lit.: Ovid (CL 344, 345, 346) (two terms) 4

Adv. Latin Grammar (CL 340) 3
Latin Lit.: Ovid (CL 344, 345, 346) (additional term) 2
Latin Lit.: Augustan Age (CL 204, 205, 206 or CL 331, 332, 333) (two terms) 6
Lit. of Anc. World (AL 311, 312, 313.).... 9

MATHEMATICS

Mathematics: 15 term hours of college mathematics. The requirement should be satisfied with:

Intermed. Algebra (Mth 100) 4
College Algebra (Mth 105), Plane Trig. (Mth 106), Analyt. Geometry (Mth 200); or Elementary Analysis (Mth 101, 102, 103)12

Mth 10 and Mth 20, 21, 22 carry college credit, but cannot be counted toward the minimum requirement.

Diff. & Int. Calculus (Mth 201, 202) 8
Adv. College Algebra (Mth 314) or Algebra (Mth 479) 3
Adv. Euclid Geometry (Mth 415) or Geometry (Mth 489) 3
Additional upper-division courses (special teachers' courses in algebra, geometry, and foundations, offered in summer sessions, are especially recommended) 6

MUSIC

MINIMUM REQUIREMENTS OF STATE BOARD
OF EDUCATION

No State Board requirement.

ADDITIONAL COURSES TO MEET
UNIVERSITY STANDARDS

Vocal

Music Theory (Mus 111, 112, 113, Mus 211, 212, 213) or Applied Theory (Mus 434, 435, 436)	9-12
Pub. Sch. Music (Mus 318 or 319)	3
Choral Conducting (Mus 323, 324, 325)	6
Choral Union (Mus 197, Mus 397)	2
Intro. to Music Lit. (Mus 127, 128, 129)....	6
Applied Music: The student must be able to demonstrate ability in singing and in playing accompaniments.	

Instrumental

Music Theory (Mus 111, 112, 113, Mus 211, 212, 213) or Applied Theory (Mus 434, 435, 436)	9-12
Instrument. Conduct. (Mus 320, 321, 322) 6	
Orchestra (Mus 396) or Band (Mus 395) 2	
Wind & Percussion Instruments (Mus 335, 336, 337) or Stringed Instruments (Mus 332, 333, 334)	3
Intro. to Music Lit. (Mus 127, 128, 129)....	6
Applied Music: The student must demonstrate adequate playing ability upon a melodic stringed or wind instrument.	

PHYSICAL EDUCATION

Physical Education: 12 term hours. The minimum requirement may be satisfied with the following:

P.E. Workshop (PE 411, 412, 413) 9
Coaching courses 3

These courses are recommended for the student who satisfies only the minimum requirement of the State Board of Education. They are not part of or prerequisite to the recommended program listed in the column to the right.

Men

Body Move. & Conditioning (PE 127)	2
Tumbling & Apparatus (PE 128)	2
Track & Field (PE 129)	2
Aquatics (PE 227)	2
Wrestling (PE 229)	2
Team Sports (PE 429)	2
Coaching	6
Class Techniques (PE 342)	3
Princ. & Pract. of P.E. (PE 341)	3
School Program (PE 445)	3

Women

P.E. Activities (PE 324, 325, 326)	6
P.E. Activities (PE 424, 425, 426)	6
First Aid (HE 252)	3
Prin. & Pract. of P.E. (PE 341)	3
Class Techniques (PE 342)	3
Org. & Admin. of P.E. (PE 343)	3
School Program (PE 445)	3

PHYSICS

Physics: 12 term hours. The requirement should be satisfied with:

Gen. Physics (Ph 201, 202, 203)12

Prerequisite: mathematics through trigonometry.

Mod. Physics (Ph 411, 412, 413) or Electricity & Electronics (Ph 431, 432, 433)9-12

Prerequisite: mathematics through calculus.

SOCIAL SCIENCE

Social Studies: 36 term hours, including at least 18 hours in American and European or world history, and a total of at least 10 term hours in two or more of the following subjects—government, economics, sociology, geography, anthropology. Work offered for the satisfaction of this requirement should include:

Hist. of U.S. (Hst 201, 202, 203) 9
Hist. of West. Civil. (Hst 101, 102, 103) or Europe since 1815 (Hst 341, 342, 343) 9

Not less than 10 term hours selected from two of the following:

American Govts. (PS 201, 202, 203), European Govts. (PS 204), International Relation. (PS 205)	15
Princ. of Econ. (Ec 201, 202, 203)	9
Gen. Soc. (Soc 204, 205, 206)	9
Intro. Geog. (Geog 105, 106, 107) or Econ. Geog. (Geog 201, 202, 203)	9-12
Cult. Anthrop. (Anth 207, 208, 209)	9

Eighteen additional term hours in the social sciences recommended by the student's adviser (upper-division courses preferred).

SPANISH

See State Board requirements under *French*. The requirement in Spanish should be satisfied with:

Second-Year Spanish (RL 14, 15, 16)	12
Spanish Lit. (RL 207, 208, 209 or RL 341, 342, 343)	9
Inter. Span. Comp. (RL 347, 348, 349)	6
Adv. Span. Comp. (RL 461, 462, 463) (two terms)	4

For students who have not studied Spanish in high school:

First-Year Spanish (RL 11, 12, 13)	12
Second-Year Spanish (RL 14, 15, 16)	12
Inter. Span. Comp. (RL 347, 348, 349)	6

Adv. Spanish Comp. (RL 461, 462, 463).... 6

SPEECH

See State Board requirements in *English*.

Fund. of Speech (Sp 111) or Speech for Class. Teacher (Sp 411)	3
Fund. of Stagecraft (Sp 261) or Technique of Acting (Sp 351)	3
Argument., Discuss. & Persuas. (Sp 321) 3	
Radio Workshop (Sp 341)	2
Prod. of Sch. & Com. Plays (Sp 367) or Play Dir. (Sp 364)	3
Phonetics (Sp 370) or Speech Science (Sp 371) or Speech Defects (Sp 481 or 482)	3
Additional 7 term hours in speech courses and 12 term hours in supporting courses in another dept., selected with assistance of adviser	19

Sequence of Courses

THE courses required by the State Board of Education for certification as a high-school teacher should be taken, both by education majors and by non-majors, in the sequence indicated below. The order should be varied only with the approval of the School of Education. It should be noted that, because of required prerequisites and sequential arrangement of certification courses, it is not possible to complete the 32 term hours of professional work in less than four terms; students are advised to spread the work over six terms or more.

Sophomore Year—General Psychology (Psy 201, 202).

Junior Year—Secondary Education in American Life (Ed 311), fall or winter term; Educational Psychology (Ed 312), fall or winter term; Principles of Teaching (Ed 313), spring term; Oregon History (Hst 377).

Senior Year—Oregon School Law and System of Education (Ed 316).

Senior or Graduate Year—Supervised Teaching (Ed 415).

Graduate Year—Education electives, 9 hours during year.

Undergraduate education majors should take sufficient additional elective work in education, before the end of the senior year, to satisfy the 36-hour major requirement for a baccalaureate degree. General Psychology (Psy 201, 202) may be counted toward the satisfaction of the major requirement, but may not be counted toward the 32-hour professional requirement for certification. Clinical Methods in Psychology (Psy 431, 432) may be counted both toward the major requirement and toward the certification requirement.

Education majors may complete part of the University's residence requirement for the bachelor's degree in the extension centers of the State System of Higher Education, but must complete a minimum of 12 term hours of work in residence on the Eugene campus of the University.

Courses in Education

Students may be admitted to courses in education only with the consent of the School of Education. A grade-point average of 2.00 for the student's first two years of University work is required for admission to all 300 courses. Ed 311, Ed 312, Ed 313 are prerequisite to all 400 and 500 courses in education, unless an exception is indicated in the course description. In admitting students to these courses, the faculty of the School of Education gives additional consideration to psychological rating and teaching personality, and, in doubtful cases, to marked improvement in scholarship during the junior year.

UPPER-DIVISION COURSES

Ed 311. **Secondary Education in American Life.** 3 hours any term.

Development and present status of secondary education as an American institution; social and psychological bases; objectives, functions, programs, curricula, and courses; personnel work and other responsibilities of teachers. Prerequisite: Psy 201. Hearn.

Ed 312. **Educational Psychology.** 3 hours any term.

Physical, mental, emotional, and social development as bases for learning; educationally significant individual and group differences; learning and factors affecting learning. Pierce-Jones.

Ed 313. **Principles of Teaching.** 3 hours any term.

Study of the actual classroom teaching process, including classroom organization and management, planning teaching units, evaluating pupil learning, and similar problems. Prerequisite: Ed 311, Ed 312. Kambly.

Ed 316. **Oregon School Law and System of Education.** 2 hours any term.

Analysis of the Oregon school system and of the laws on which the system is based. Problems of Oregon schools, plans proposed for their solution, and trends in educational development in the state. Prerequisite: Ed 311. Huffaker.

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

Ed 408. **Special Teaching Methods.** 1 to 3 hours any term.

Six hours maximum allowed toward education requirement for certification. Not more than 3 hours credit may be earned in any one field. Prerequisite: Ed 311, Ed 312, Ed 313.

Art—Glazer.

Commerce—Lorenzen.

English—Goodnough.

Foreign Language—Adams.

Health, Physical Education—

Spande, Sprague.

Mathematics—Kerley.

Music, Instrumental—Vagner.

Music, Vocal—Nye.

Science—Hale.

Speech—McCall.

Social Studies—Williams.

Ed 409. **Psycho-Educational Clinic.** (G) Hours to be arranged (9 hours maximum credit).

Practice, under supervision, in diagnostic and remedial treatment of learning-disability cases at elementary, high-school, and college levels. Prerequisite: Ed 465. Killgallon.

Ed 415. **Supervised Teaching.** 1-12 hours any term (12 hours maximum credit).

Supervised experience in the many phases of actual teaching. Students should plan their programs so that one-half day for one term may be devoted to supervised teaching. Prerequisite: Ed 311, Ed 312, Ed 313. Kambly.

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

Use and interpretation of informal and standardized tests as supervisory and guidance instruments for the diagnosis, analysis, evaluation, and improvement of instruction in the elementary and secondary schools. Test planning, item writing, essay testing, administration and scoring, analysis of scores and grade assignment. Simple statistics of test interpretation. Rummel.

Ed 435. **Audio-Visual Aids.** (G) 4 hours.

The development and use of audio-visual aids in education. Emphasis on actual learning situations in which radio, recordings, films, slides, pictures, maps, charts, etc. are utilized. Sources of materials and equipment; administration of audio-visual program.

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

A general review of the growth and development of education in relation to the civilization of the times; emphasis on development of educational philosophies.

Ed 460. **Psychology of Childhood.** (G) 3 hours.

The facts and principles of child behavior and development from conception to adolescence. Prerequisite: general psychology. Pierce-Jones.

Ed 461. **Adolescence: Growth and Development of the Individual.** (G) 3 hours fall.

Processes through which the normal human being reaches maturity, acquires effective use of his bodily equipment and learning capacity, and makes satisfactory personal and social adjustments. Pierce-Jones.

- Ed 462. **Psychology of Exceptional Children.** (G) 3 hours.
Survey of characteristics and problems of all types of exceptional children, with special emphasis on those with sensory handicaps; consideration of essential educational adaptations. Killgallon.
- Ed 463. **The Maladjusted Child.** (G) 3 hours.
The discovery and treatment of the emotionally and socially maladjusted child; the home, school, and community in relation to the child's mental health.
- Ed 464. **The Mentally Handicapped Child.** (G) 3 hours.
Identification and guidance of the mental deficient, the slow learner, and the gifted.
- Ed 465. **Diagnostic and Remedial Techniques.** (G) 3 hours.
Diagnostic, remedial, and corrective techniques in basic school subjects; application of techniques to actual cases. Killgallon.
- Ed 469. **Reading in High School and College.** (G) 3 hours.
Nature and scope of the secondary reading program, developmental and remedial; principles, methods, and materials of instruction and administration. Killgallon.
- Ed 476. **Administration of Health and Physical Education.** (G) 3 hours.
A course for school administrators, to enable them to develop and supervise a school program in health and physical education. Not intended for teachers in the field. Haar, Sprague.
- Ed 490. **Social Education.** (G) 3 hours.
Structure and functioning of society, as a background for the study and evaluation of education in its varied forms; the contribution of sociological principles and findings to the improvement of educational practices. Hearn.

GRADUATE COURSES

Courses numbered 400-499 and designated (G) may be taken for graduate credit.

- Ed 501. **Educational Research.** Hours to be arranged.
Members of the faculty supervise research by qualified graduate students. Prerequisite: graduate standing in education; consent of instructor.
- | | |
|---|---|
| Adult Education—Caughlan. | Philosophy of Education—Castell. |
| Affective Phases of Education—Leighton. | Psycho-Educational Problems—Killgallon. |
| College Teaching—Wood. | Pupil Evaluation—Rummel. |
| Curriculum, Instruction—Wood. | School Administration—Huffaker, Jacobson. |
| Educational Psychology—Pierce-Jones. | School Finance—Huffaker. |
| Elementary Education—Caughlan, Sandin. | Science Education—Kambly. |
| History of Education—Caughlan. | Secondary Education—Jacobson, Hearn. |
| Measurements—Rummel. | Teacher Education—Kambly. |
- Ed 503. **Thesis.** Hours to be arranged.
- Ed 505. **Reading and Conference.** Hours to be arranged.
- Ed 507. **Education Seminar.** Hours to be arranged.
- Ed 508. **Workshop.** Hours to be arranged.
Opportunity for group work on special problems.
- Ed 512. **Research Procedures in Education.** 3 hours.
The nature and procedures of research in education; special techniques of thesis, field study, research paper, and dissertation. Open to graduate students

- majoring in other fields. Does not take the place of individual supervision of the student's thesis. Wood.
- Ed 515, 516, 517. **Educational Statistics.** 3 hours each term.
Technique in quantitative and experimental methods. Calculus not required. Admission after fall term only with consent of instructor. Prerequisite; graduate standing. Rummel.
- Ed 522. **Problems in American Secondary Education.** 3 hours.
An advanced course for experienced teachers. The school in the community; guidance activities in the school; extraclass activities; the role of the school in contemporary society; the teacher in the local community. Jacobson.
- Ed 523. **School Activity Program.** 3 hours.
Theories involved in extraclass activities; objectives, organization, and supervision; student participation in social control; major and minor activities; problems of coordination, finance, and teacher personnel. Hearn.
- Ed 525. **Pupil Personnel Work.** 3 hours.
Nature and scope of personnel work; first steps in studying pupils and their problems; adjustive and remedial procedures; personalizing the school program; group guidance; counseling procedures. Rummel.
- Ed 526. **High-School Counseling.** 3 hours.
The purposes, techniques, and processes of counseling. Dynamics of adjustment and personality change. Methods of promoting emotional, educational, and occupational adjustment.
- Ed 543. **History of American Education.** 3 hours.
The intellectual development of the United States, with special reference to education. Open to seniors on consent of instructor. Prerequisite: knowledge of American history. D. E. Clark.
- Ed 552. **Elementary-School Problems.** 3 hours.
Selected current problems; issues and theories of elementary education; characteristics of modern teaching; major trends in elementary education. Sandin.
- Ed 553. **Curriculum of Elementary Schools.** 3 hours.
A systematic study of the elementary-school curriculum, including pupil needs in everyday life situations, objectives, essentials of a good program, varying curriculum designs, organization of learning experiences, evaluation of learning, and appraisal of newer curriculum practices. Sandin.
- Ed 554. **Supervision of the Elementary School.** 3 hours.
The role, duties, needs, and problems of modern supervision, including the evaluation and improvement of the teaching-learning situation. Sandin.
- Ed 556. **Higher-Education Survey.** 3 hours.
Problems of higher education. Organization, administration, finance; philosophy, purposes, curricula; student and faculty personnel; extension and special services. Wood.
- Ed 557. **Teacher-Education Survey.** 3 hours.
Purposes, needs, and objectives of teacher education; present facilities and types of organization; student-selection procedures; staff; curriculum. Relationships of preservice undergraduate, preservice graduate, in-service campus, and in-service field training. Wood.
- Ed 558. **College and University Teaching.** 3 hours.
Methods and techniques of teaching; organization of courses; selection, preparation, and use of materials; audio-visual techniques; evaluation procedures, testing, and grading; experimentation in college teaching; personnel work. Wood.

- Ed 561. **Advanced Educational Psychology.** 3 hours winter.
Review of some modern viewpoints in educational psychology; discussion of useful experimental material. Prerequisite: graduate standing in education. Pierce-Jones.
- Ed 564. **Mental Tests.** 3 hours.
Selection, administration, and interpretation of individual tests, intensive study of problems in testing exceptional and extremely deviate children. Prerequisite: Psy 431, 432. Killgallon.
- Ed 571. **Affective Phases of Education.** 3 hours.
The nature of appreciations, attitudes, and ideals; their significance as factors of the personality and for social intelligence and social integration. Methods of developing these personality factors. Leighton.
- Ed 572. **Basic Course in School Organization.** 4 hours fall.
Ed 572, Ed 573, Ed 574 required for majors in school administration. Ed 572 deals with organization in both grade and high school; emphasis on the small system. Prerequisite: Ed 311, Ed 312, Ed 313 or teaching experience. Huffaker, Jacobson.
- Ed 573. **Basic Course in School Administration.** 4 hours winter.
Relations of the principal to the school board; school finance, school records and accounts, school building programs, pupil accounting, the teaching staff. Prerequisite: Ed 311, Ed 312, Ed 313 or teaching experience. Huffaker, Jacobson.
- Ed 574. **Basic Course in School Supervision.** 4 hours spring.
Purpose and plans for supervision; use of texts, diagnosis of pupil difficulty, etc., as applied to both elementary and secondary schools. Prerequisite: Ed 311, Ed 312, Ed 313 or teaching experience. Huffaker, Jacobson.
- Ed 581. **Curriculum Foundations.** 4 hours.
Implications of basic social, philosophical, and psychological factors in curriculum planning and organization; historical background; techniques of curriculum planning. Wood.
- Ed 582. **Curriculum Survey.** 4 hours.
Survey and appraisal of curricular patterns; state and city programs; courses of study in major subject areas; techniques of course-of-study planning. Wood.
- Ed 583. **Curriculum Materials.** 4 hours.
Effective use and organization of curriculum materials; text and reference books, supplementary pamphlet material, films and slides, records and recordings, pictures, radio, etc.; techniques of unit construction and community survey. Wood.
- Ed 586. **Philosophy of Education.** 3 hours.
Study of the broad fundamental principles and problems of education, as evaluated by the various schools of philosophical thought. Castell.
- Ed 587. **Adult Education.** 3 hours.
History and philosophy of the adult-education movement; its aims, ranging from the specifically vocational to the cultural. Representative work and methods in adult education. Caughlan.

COURSES OFFERED ONLY IN SUMMER SESSIONS AND EXTENSION

- Ed 317. **Remedial Reading Clinic.** 1 or 2 hours (extension).
Ed 331. **The Crippled and Low-Vitality Child.** 3 hours (extension).
Ed 410. **The Visually Handicapped Child.** 3 hours (extension).

- Ed 429. **Use of Social Agency Resources by Teachers.** 3 hours (extension).
Ed 436. **Education of the Handicapped Child.** (G) 3 hours (extension).
Ed 438. **Techniques in Teaching Crippled and Low-Vitality Children.** 3 hours (extension).
Ed 450. **Radio Education.** (G) 3 hours (extension and summer sessions).
Ed 453. **Secondary-Education Workshop.** (G) 5 hours (extension).
Ed 455. **Primary-Education Workshop.** (G) 5 hours (extension).
Ed 457. **Intermediate-Education Workshop.** (G) 5 hours (extension).
Ed 459. **Upper-Grade Education Workshop.** (G) 5 hours (extension).
Ed 478. **Improvement of Instruction in Reading.** (G) 3 hours (extension).
Ed 481. **Alcohol Studies in the School Curriculum.** (G) 3 hours (extension and summer sessions).
Ed 482. **Intercultural Education.** (G) 3 hours (extension and summer sessions).
Ed 492. **Recent Trends in Language Arts.** (G) 3 hours (extension and summer sessions).
Ed 493. **Utilization of Regional Resources.** (G) 3 hours (extension and summer sessions).
Ed 527. **High-School Administration.** 3 hours (extension and summer sessions).
Ed 555. **Elementary-School Organization and Administration.** 3 hours (extension and summer sessions).
Ed 575. **School Finance.** 3 hours (extension and summer sessions).
Ed 576. **School Buildings.** 3 hours (extension and summer sessions).

Library Courses

LOWER-DIVISION COURSE

- Lib 117. **Use of the Library.** 1 hour any term.
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 individual student's study program.

UPPER-DIVISION COURSES

- Lib 381. **University Library Resources.** 3 hours fall.
Advanced study of the card catalog, periodical indexes, general and special bibliographies, and other aids to the use of the University Library's resources. Designed to help the student use the Library more effectively. Findly.
- Lib 382. **Books and Reading.** 3 hours spring.
Designed to provide a general survey of the best books and authors, old and new, in various fields of writing, and to interpret and apply principles and standards for judging them. Consideration given to the best aids in book selection, the development of personal libraries, and book reviewing. Rise.
- Lib 383. **Books and Related Materials for Children.** 3 hours.
Primarily a reading course based on materials suitable for elementary-school children. Study of reading interests and curricular needs; criteria for evaluating materials; selection aids; devices for encouraging reading.

Lib 384. School Library Administration. 3 hours fall.

Planned for school administrators as well as librarians; particular emphasis on the place of the library in the instructional program. Problems of support and control; housing and equipment; standards; evaluation; objectives. Gerot.

Lib 386. Organization of Library Materials. 3 hours spring.

Instruction and practice in simplified procedures for the acquisition, preparation, organization, and circulation of books and related library materials. Gerot.

Lib 388. Books and Related Materials for Young People. 3 hours winter.

Same in approach as in Lib 383, but adapted to the junior and senior high-school level. Emphasis on the library as an information laboratory. Gerot.

School of Health and Physical Education

RALPH W. LEIGHTON, Ph.D., D.Sc., Dean of the School of Health and Physical Education.

DOROTHY S. LENTZ, Secretary to the Dean.

Professors: FLORENCE D. ALDEN (emeritus), F. B. HAAR, L. A. HARRIS, E. R. KNOLLIN, R. W. LEIGHTON, H. V. MEREDITH, F. N. MILLER, HARRIET W. THOMSON (emeritus), P. R. WASHKE.

Associate Professors: JENNELLE MOORHEAD, MARGARET S. POLEY, ROSAMOND WENTWORTH, JANET G. WOODRUFF, P. O. SIGERSETH.

Assistant Professors: J. W. AIKEN, E. D. FURRER, EVELYN E. HUDSON, GLADYS R. RYDEEN, MYRTLE S. SPANDE, V. S. SPRAGUE, J. A. WARREN.

Instructors: J. W. BORCHARDT, W. J. BOWERMAN, D. H. KIRSCH, J. C. LILLIE, JEANNETTE MASILIONIS, R. D. McCLURE, MARJORIE MURRAY, R. O. OFFICER, BETTIE J. OWEN, W. B. RHODA.

Assistants: E. LOUISE HENDERSON, CELIA B. OLIVAR, MILDRED RINGO, PATRICIA ROWE, LOUISE WATSON.

THE School of Health and Physical Education offers professional training, both undergraduate and graduate, and service courses in health education, physical education, and recreation. Graduates of the school hold professional positions as: athletic coaches; high-school teachers of physical education and health education; directors of high-school athletics; school supervisors of health and physical education; community recreation and playground directors; leaders in Y.M.C.A., Y.W.C.A., and other youth-organization work; directors of restricted and corrective physical education; workers in the field of physical therapy; college and university teachers and research workers in child growth, health education, and physical education.

Students who plan to meet the certification requirements for public school teaching should consult the School of Education for advice and direction before enrolling for their junior year.

Major in Physical Education. The basic undergraduate major curriculum outlined below provides a strong program of professional work in physical education; all the courses listed in the outline are required for undergraduate majors who are preparing to teach. Sufficient instruction in health education is included to enable the student to qualify for positions in the Oregon public schools which require the teaching of both physical education and health education.

The curriculum also provides a sound basis for graduate study. Special programs may be arranged for students interested in preparation for graduate work