

O R E G O N

State System of
Higher Education

B U L L E T I N



University of Oregon
Catalog Issue
1948-49

Eugene, Oregon

University of Oregon CATALOG

1948-49



Eugene, Oregon

**Oregon State System
of Higher Education
B U L L E T I N**

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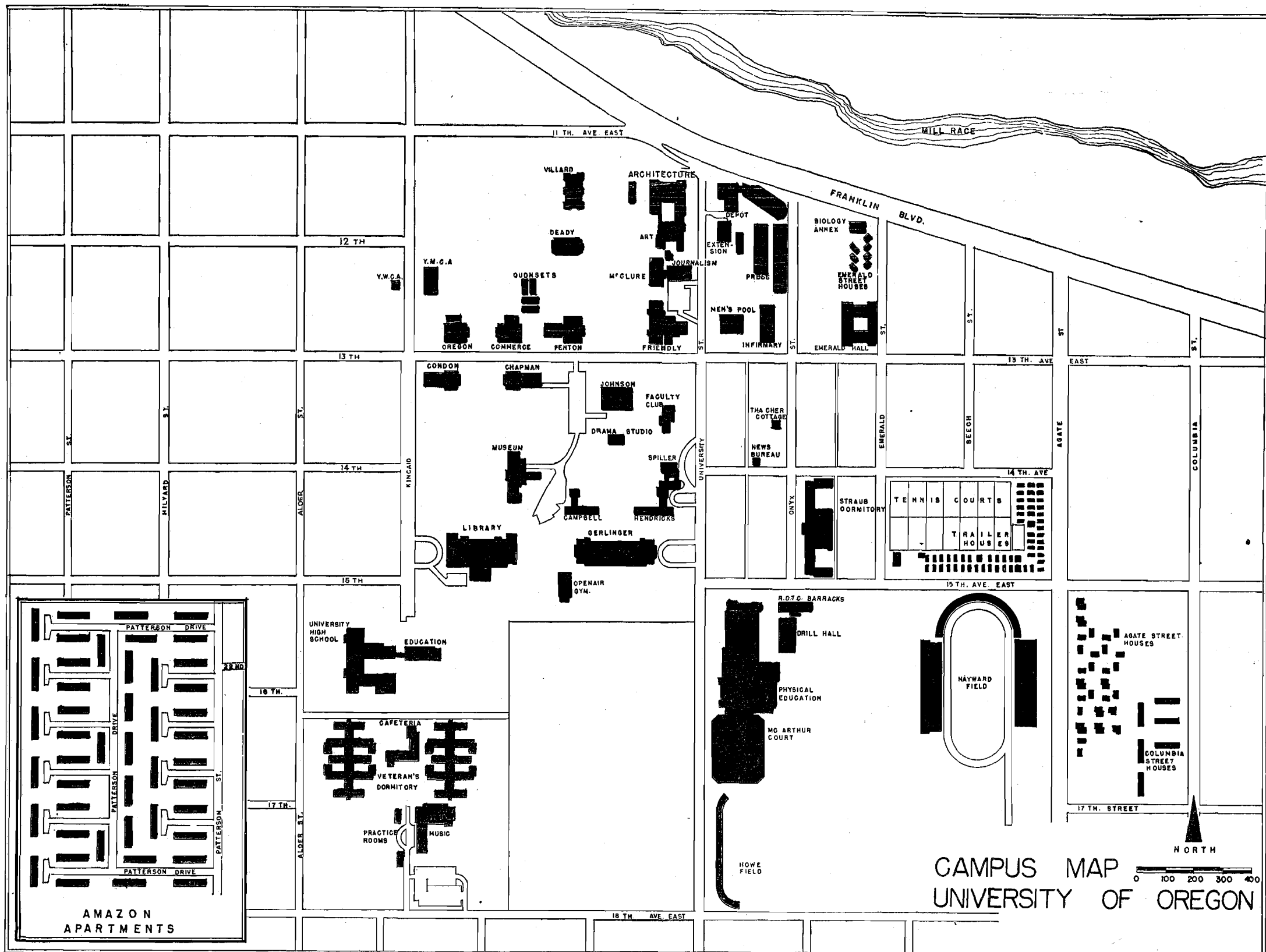
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Office of the State Board of Higher Education
Eugene, Oregon

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

Oregon State System of Higher Education

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Dean, University of Oregon Medical
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President, Oregon College of Educa-
tion

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

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

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RICHARD LYLE COLLINS, M.A., C.P.A.....Statistician and Budget Officer
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ISABEL DAVIS, B.A.....Administrative Assistant

BUSINESS OFFICE

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JOHN L. WATSON, B.B.A., C.P.A.....Assistant Comptroller
HAROLD ROWLEY, B.S.....Chief Accountant
WILLIAM RALPH STOVALL.....Assistant Accountant and Property Custodian
THOMAS FRANCIS ADAMS, B.S.....Cost Accountant

TEACHER EDUCATION

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HENRY M. GUNN, Ed.D.....Director of Elementary Teacher Training

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HENRY EUGENE STEVENS, D.Ed.....Assistant Director of General Extension
ALFRED POWERS, A.B.....Dean and Director of Creative Writing and Publishing

LIBRARIES

WILLIAM HUGH CARLSON, M.A.....Director of Libraries
ELZIE VANCE HERBERT.....Head of Orders Department
MARIE HULL JACKSON, B.A., B.S. in L.S.....Cataloger for Union Catalog

1948

June 1948

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ACADEMIC CALENDAR

1948 Summer Quarter

June 15, *Tuesday*.....First session begins

July 23, *Friday*.....First session ends

July 26, *Monday*.....Second session begins

August 27, *Friday*.....Second session ends

Fall Term, 1948-49

September 13-18, *Monday to Saturday*.....Freshman Week and Registration*

September 20, *Monday*.....Classes begin

October 2, *Saturday*.....Last day for addition of new courses or new registrations

November 11, *Thursday*.....Special Armistice Day exercises

November 25-28, *Thursday to Sunday*.....Thanksgiving recess

December 13-17, *Monday to Friday*.....Fall-term examinations

December 17, *Friday*.....Fall term ends

* Graduate students are allowed until the end of the first week of classes for registration.

UNIVERSITY OF OREGON

Winter Term, 1948-49

January 3, *Monday*.....Registration*

January 4, *Tuesday*.....Classes begin

January 15, *Saturday*.....Last day for addition
of new courses or new registrations

March 14-18, *Monday* to
Friday.....Winter-term examinations

March 18, *Friday*.....Winter term ends

Spring Term, 1948-49

March 28, *Monday*.....Registration*

March 29, *Tuesday*.....Classes begin

April 9, *Saturday*.....Last day for addition
of new courses or new registrations

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

June 13-17, *Monday* to
Friday.....Spring-term examinations

June 18, *Saturday*.....Alumni Day

June 19, *Sunday*.....Baccalaureate and
Commencement Day

1949 Summer Quarter

June 21, *Tuesday*.....Summer quarter begins

* Graduate students are allowed until the end of the
first week of classes for registration.

1949

January 1949

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May 1949

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July 1949

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University of Oregon

Officers of Administration

PAUL C. PACKER, Ph.D., LL.D.....Chancellor
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TED RUSSELL, M.S.....Business Manager, Dental School
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ROBERT E. SIMMONS, B.S.....Payroll Clerk
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VIVIAN OLNEY.....Secretary to Business Manager

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LYLE MORGAN NELSON, B.A.....Director of Information
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JOHN EDWIN BAILEY, B.A.....Assistant Editor
JOSEPHINE S. MOORE, B.S.....Acting Director of News Bureau
*GEORGE HOWARD GODFREY, B.S.....Associate in News Bureau

* On leave of absence, 1947-48.

HEALTH SERVICE

FRED N. MILLER, M.D.	Director of Health Service
MARIAN HAYES MILLER, M.D.	Assistant Physician
RUSSELL BLEMKER, M.D.	Assistant Physician
SQUIRE BOZORTH, M.D.	Assistant Physician
LEOTA BRADLEY, R.N.	Superintendent of Nurses
IONE WASEM, R.N.	Hospital Supervisor
HANNA McCLAIN FOOTE, R.N.	X-Ray and Laboratory Technician
GLADYS SAMEL, R.N.	Assistant X-Ray and Laboratory Technician
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LETHA PETERSEN, R.N.	Nurse
E. MARIE HOHMANN, R.N.	Nurse
MARJORIE CHEDESTER, R.N.	Nurse
MARGARET COUPER, R.N.	Nurse
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ELIZABETH FINDLY, A.M.L.S.	Reference Librarian
DON L. HUNTER, B.S.	Head, Audio-Visual Department
CLARICE E. KRIEG, A.M.	Catalog Librarian
BERNICE M. RISE, A.B., B.S. in L.S.	Reader's Consultant ; Circulation Librarian
MARTIN SCHMITT, B.S., B.S. in L.S.	Curator of Special Collections
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LOUISE LAYBOURN, B.A., B.S. in L.S.	Senior Acquisition Assistant
DOROTHY E. SPENCER, M.A.L.S.	Senior Reference Assistant
ADELINE A. ADAMS, B.A., B.S. in L.S.	Junior Acquisition Assistant
HARRY BACH, B.A., Cert. in L.S.	Junior Reference Assistant
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MARGARET MARKLEY, B.A., B.S. in L.S.	Junior Catalog Assistant
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EMMA G. WRIGHT, A.B., B.S. in L.S.	Junior Reference Assistant

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 HARRY DAVID JACOBY, B.S.....Assistant Superintendent of Physical Plant
 FLORENCE GARNETT.....Secretary and Recorder

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 †ROBERT CARR HALL.....Superintendent, University Press
 LEOTA CHRISTENSEN.....Secretary, University Press
 JANE SAVAGE.....Secretary, Multigraph and Office Supply Stores

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 CLIFFORD LLEWELLYN CONSTANCE, M.A.....Associate Registrar
 JAMES DEWITT KLINE, B.A.....Assistant Registrar
 CAROLINE O. HOOPMANN, B.S.....Registrar, Medical School
 TED RUSSELL, M.S.....Registrar, Dental School

STUDENT AFFAIRS

DONALD M. DUSHANE, M.A.....Director of Student Affairs
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 VERGIL S. FOGDALL, Ph.D.....Associate Director (Men's Affairs)
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 KENNETH S. WOOD, Ph.D.....Director of Speech-Correction and Hearing Clinic
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 MARGARET R. BOLTON, B.E.....Counselor for Women
 NORMAN R. HAWK, M.S.....Counselor for Men
 VIRGINIA KEMPSTON, B.A.....Counselor for Women
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 EDITH M. RYMAN, B.A.....Counselor (Counseling Center)
 LEONA E. TYLER, Ph.D.....Counselor (Counseling Center)

RICHARD C. WILLIAMS, B.S.....Educational Activities Manager
 LEO A. HARRIS, M.A.....Athletic Director
 LESTER E. ANDERSON, B.S.....Alumni Secretary

* Appointment effective June 1, 1948.

† Retirement effective June 30, 1948.

University Faculty*

PAUL C. PACKER, Ph.D., LL.D., Chancellor, Oregon State System of Higher Education.

B. A. (1918), Iowa; M. A. (1921), Michigan; Ph.D. (1923), Columbia; LL.D. (1938), Cornell College. Chancellor, State System, since 1946.

HARRY K. NEWBURN, Ph.D., President.

B.Ed. (1928), Western Illinois Teachers; 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 ANNA ADAMS, B.A., B.S. in L.S., Junior Assistant, Acquisition Department, Library.

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

JAMES WILSON AIKEN, B.S., Assistant Professor of Physical Education; Head Football Coach.

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

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

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

LYNN ALEXANDER, B.S., Instructor in Art.

B.S. (1942), 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 ELLIS ANDERSON, B.S., Alumni Secretary.

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

SHIRLEY KATHRYN ANDERSON, M.A., Instructor in Mathematics.

B.A. (1945), M.A. (1946), Oregon. At Oregon since 1946.

ROY CHESTER ANDREWS, M.A., Instructor in Chemistry.

B.A. (1915), M.A. (1926), Oregon. At Oregon since 1935.

ELIZABETH K. ARCHIBALD, B.A., Instructor in Business Administration.

B.A. (1944), Oregon. At Oregon since 1947.

†**LOUIS ARTAU, M.A.,** Assistant Professor of Music.

B.A. (1939), M.A. (1945), Oregon. At Oregon since 1924.

JUANITA AUSTILL, M.S., Instructor in Education; Supervisor of English, University High School.

B.A. (1943), Kansas; M.S. (1947), Wisconsin. At Oregon since 1947.

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

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

* 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.

An index of names of members of the University staff, and of interinstitutional officers of administration and extension of the Oregon State System of Higher Education, is printed in the back of this Catalog.

† Resigned June 30, 1948.

CURTIS EDMUND AVERY, M.A., Registrar.

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

HARRY BACH, B.A., Junior Assistant, Reference Department, Library.

B.A. (1943), Cert. (1947), California. At Oregon since 1947.

*ELSIE McDOWELL BAILEY, M.A., Instructor in English.

B.A. (1926), Montana; M.A. (1930), Oregon. At Oregon since 1943.

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

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

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.

JOHN EDWARD BAIRD, M.A., Instructor in Speech.

B.Th. (1944), Northwest Christian; B.A. (1947), M.A. (1947), College of Pacific. At Oregon since 1947.

LOIS INMAN BAKER, M.A., Law Librarian.

B.A. (1927), M.A. (1932), Oregon; Cert. (1935), California. At Oregon since 1935.

WALLACE SPENCER BALDINGER, Ph.D., Associate Professor of Art.

B.A. (1928), M.A. (1932), Oberlin; Ph.D. (1938), Chicago. At Oregon since 1944.

EWART MERLIN BALDWIN, Ph.D., Assistant Professor of Geology.

B.S. (1938), M.S. (1939), Washington State; Ph.D. (1943), Cornell. At Oregon since 1947.

WESLEY CHARLES BALLAINE, Ph.D., Professor of Business Administration.

A.B. (1927), M.B.A. (1931), Washington; Ph.D. (1940), Chicago. At Oregon since 1941.

BEATRICE JANE BARKER, Ph.B., Cataloging Librarian Emeritus.

Ph.D., (1895), Brown; Cert. (1904), Albany Library School. At Oregon since 1909.

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., Acquisition Librarian.

B.A. (1941), M.A. (1943), Minnesota; Ph.D. (1947), Chicago. At Oregon since 1947.

†HOMER GARNER BARNETT, Ph.D., Associate Professor of Anthropology; Assistant Curator of Anthropology.

A.B. (1927), Stanford; Ph.D. (1938), California. At Oregon since 1939.

JAMES DUFF BARNETT, Ph.D., Professor Emeritus of Political Science.

B.A. (1890), College of Emporia; Ph.D. (1905), Wisconsin. At Oregon since 1908.

CHANDLER BAKER BEALL, Ph.D., Professor of Romance Languages.

Diplôme (1921), Sorbonne; A.B. (1922), Ph.D. (1930), Johns Hopkins. At Oregon since 1929.

‡FRED ANDERSON BEARD, Superintendent of University Press.

At Oregon since 1948.

LESTER F. BECK, Ph.D., Associate Professor of Psychology.

B.A. (1930), M.A. (1931), Oregon; Ph.D. (1933), Brown. At Oregon since 1934.

GEORGE N. BELKNAP, M.A., University Editor.

B.A. (1926), M.A. (1934), Oregon. At Oregon since 1934.

* Resigned Mar. 20, 1948.

† Field work, Micronesia, 1947-48.

‡ Appointment effective June 1, 1948.

- KARL J. BELSER, M.Arch., Reg. Archt., Assistant 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 Clinic, Dental School.**
D.D.S. (1924), Iowa. At Dental School since 1943.
- JOEL VAN METER BERREMAN, Ph.D., Associate Professor of Sociology.**
B.A. (1927), Willamette; M.A. (1933), Oregon; Ph.D. (1940), Stanford. At Oregon since 1946.
- AGNES LOUISE 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.
- E. GLEN BEZARD, M.A., Instructor in English.**
B.A. (1937), Oklahoma; M.A. (1938), Iowa. At Oregon since 1946.
- JOSEPH BROWN BILDERBACK, M.D., Clinical Professor of Pediatrics, Medical School; Head of Department.**
M.D. (1905), Oregon. At Oregon since 1911.
- FRANCIS WINSTON BITTNER, M.A., Assistant Professor of Piano.**
B.Mus. (1936), Cincinnati Conservatory of Music; M.A. (1943), New York. At Oregon since 1946.
- FRANK GEES BLACK, Ph.D., Associate Professor of English.**
A.B. (1921), Dickinson; A.M. (1923), Ph.D. (1936), Harvard. At Oregon since 1936.
- RUSSELL MELVIN BLEMKER, M.D., Assistant University Physician.**
B.A. (1926), DuPauw; M.D. (1930), Washington University. At Oregon since 1947.
- JESSE HICKMAN BOND, Ph.D., Professor Emeritus of Business Administration.**
B.A. (1909), M.A. (1913), Oregon; Ph.D. (1915), Wisconsin. At Oregon since 1928.
- GEORGE BOUGHTON, Mus.M., Assistant Professor of Violin.**
B.F.A. (1940), Mus.M. (1943), South Dakota. At Oregon since 1945.
- RAY PRESTON BOWEN, Ph.D., Professor Emeritus of Romance Languages.**
A.B. (1905), Harvard; A.M. (1915), Ph.D. (1916), Cornell. At Oregon since 1925.
- MARY OLIVE BOWMAN, M.S., Instructor in Physical Education.**
B.A. (1943), Central Washington College of Education; M.S. (1946), Oregon. At Oregon since 1946.
- GUY LEE BOYDEN, M.D., Clinical Professor of Otolaryngology, Medical School; Acting Head of Department of Otology, Rhinology, and Laryngology.**
B.S. (1907), South Dakota Agricultural; M.D. (1911), Northwestern. At Oregon since 1922.
- CLARENCE 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., Associate 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. Archt., 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.
- BARBARA DORIS BRUNTON, B.A., Instructor in Business Administration.**
B.A. (1946), Oregon. At Oregon since 1946.

RALPH CLARENCE BURKE, Technical Sergeant, Infantry; Instructor in Military Science and Tactics.

At Oregon 1941-44 and since 1946.

ORIN KAY 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 YOUNG BURTON, M.D., Associate Clinical Professor of Radiology, Medical School; Acting Head of Division.

A.B. (1931), B.S. (1932), Missouri; M.D. (1936), Washington University. At Oregon since 1940.

THOMAS HAROLD 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 Dental School since 1946.

DORIS HELEN CALKINS, B.M., Instructor in Harp.

B.M. (1931), Oregon. At Oregon since 1931.

DOWELL ALEXANDER 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.

LAURENCE RANDOLPH CAMPBELL, Ph.D., Professor of Journalism.

A.B. (1926), San Jose State; M.S. in J. (1931), Ph.D. (1939), Northwestern. At Oregon since 1947.

KENNETH A. CANTWELL, D.M.D., Assistant Professor of Dentistry; Acting Head of Department of Operative Dentistry.

B.S. (1938), Utah State; D.M.D. (1943), North Pacific. At Dental School since 1943.

JEANNETTE ELAINE CARLSON, M.A., Instructor in English.

B.A. (1944), M.A. (1945), Illinois. At Oregon since 1947.

JOHN SPENCER CARLSON, M.A., Acting 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 Assistant, Catalog Department, Library.

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

ALBERT EDWARD CASWELL, Ph.D., Professor of Physics; Head of Department.

A.B. (1908), Ph.D. (1911), Stanford. At Oregon 1913-32 and since 1934.

ARTHUR WILLIAM CHANCE, D.D.S., M.D., Clinical Professor of Dental and Oral Medicine, Medical School; Head of Division.

D.D.S. (1896), Temple; M.D. (1901), Oregon. At Oregon since 1924.

PAUL CIVIN, Ph.D., Assistant Professor of Mathematics.

B.A. (1939), Buffalo; M.A. (1941), Ph.D. (1942), Duke. At Oregon since 1946.

CLARENCE WILLIAM CLANCY, Ph.D., Associate Professor of Biology.

B.S. (1930), M.S. (1932), Illinois; Ph.D. (1940), Stanford. At Oregon since 1940.

***DAN ELBERT CLARK**, Ph.D., Professor of History; Head of Department.

B.A. (1907), Ph.D. (1910), Iowa. At Oregon since 1921.

ROBERT DONALD CLARK, Ph.D., Associate 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.

FREDERICK MALCOLM COMBELLACK, Ph.D., Assistant Professor of Classical Languages.

B.A. (1928), Stanford; Ph.D. (1936), California. At Oregon since 1937.

* On sabbatical leave, spring term, 1947-48.

- NEWEL HOWLAND COMISH, Ph.D.**, Professor of Business Administration.
B.S. (1911), Utah State; M.S. (1915), Ph.D. (1929), Wisconsin. At Oregon since 1932.
- CLIFFORD LLEWELLYN CONSTANCE, M.A.**, Associate Registrar.
B.A. (1925), M.A. (1929), Oregon. At Oregon since 1931.
- EUGENE PERRY COOPER, Ph.D.**, Associate Professor of Physics.
S.B. (1937), Massachusetts Institute of Technology; Ph.D. (1941), California. At Oregon since 1947.
- *ANSON B. CORNELL, A.B.**, Athletic Business Manager; Assistant Professor of Physical Education.
A.B. (1916), Oregon. At Oregon since 1936.
- JANINE RENÉE COURTILLON, Licence-ès-lettres**, Instructor in Romance Languages.
Licence-ès-lettres (1945), Rennes. At Oregon since 1948.
- CHRISTINA ADELLA CRANE, Ph.D.**, Assistant Professor of Romance Languages.
A.B. (1926), Colorado College; M.A. (1931), Ph.D. (1939), Oregon. At Oregon since 1926.
- LUTHER SHEELEIGH 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. (1932), General Theological Seminary; M.A. (1923), Ph.D. (1925), Columbia. At Oregon since 1929.
- LAWRENCE CRISTIANI, Sergeant, Air Force**; Instructor in Military Science and Tactics.
At Oregon since 1947.
- HAROLD RANDOLPH 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 of Economics; Head of Department.
B.S. (1911), Whitman; M.A. (1927), Washington; Ph.D. (1930), Wisconsin. At Oregon since 1930.
- FREDERICK ALEXANDER CUTHBERT, M.L.D.**, Associate Professor of Landscape Architecture.
A.B. (1926), M.L.D. (1928), Michigan. At Oregon since 1932.
- EDMUND ALBERT CYKLER, Ph.D.**, Associate Professor of Musicology.
B.A. (1926), California; Ph.D. (1928), Charles (Czechoslovakia). At Oregon since 1947.
- WALFRED ANDREW DAHLBERG, M.A.**, Associate Professor of Speech.
A.B. (1925), Michigan; M.A. (1930), Northwestern. At Oregon since 1932.
- EDWARD G. DANIEL, Ph.D.**, Miner Professor of Business Administration; Professor of Economics.
B.A. (1929), M.A. (1930), Oregon; Ph.D. (1943), Harvard. At Oregon since 1941.
- STANLEY ROBERT DARLING, B.S., J.D.**, Special Lecturer in Law.
B.S. (1935), J.D. (1939), Oregon. At Oregon since 1944.
- NORMAN AUSTIN 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.
- DANIEL SUTHERLAND DAVIDSON, Ph.D.**, Associate Professor of Anthropology; Assistant Curator of Anthropology.
B.S. (1923), A.M. (1924), Ph.D. (1928), Pennsylvania. At Oregon since 1947.

* Resigned Mar. 1, 1948.

- HOWARD EDWARD DEAN, B.A.**, Assistant Professor of Political Science.
B.A. (1939), California at Los Angeles. At Oregon since 1947.
- ROBERT BERRIDGE DEAN, Ph.D.**, Assistant Professor of Chemistry.
B.A. (1935), California; Ph.D. (1938), Cambridge (England). At Oregon since 1947.
- *EDGAR EZEKIAL DECOU, M.S.**, Professor Emeritus of Mathematics.
B.S. (1894), Wisconsin; M.S. (1897), Chicago. At Oregon since 1902.
- JUANITA L. DEMMER, M.A.**, Instructor in Germanic Languages.
B.A. (1932), M.A. (1938), Oregon; M.A. (1947), Wisconsin. At Oregon since 1947.
- LEROY ELLSWORTH 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.
- SAMUEL NEWTON DICKEN, Ph.D.**, Professor of Geology and Geography; Head of Department.
B.A. (1924), Marietta; Ph.D. (1930), California. At Oregon since 1947.
- MILTON DIETERICH, M.Mus.**, Instructor in Music.
B.Mus. (1923), Grinnell; M.Mus. (1941), Eastman School of Music. At Oregon since 1946.
- RICHARD BENJAMIN DILLEHUNT, M.D.**, Dean Emeritus of the Medical School.
M.D. (1910), Chicago. At Oregon since 1912.
- HENRY HADLEY DIXON, M.D.**, Clinical Professor of Psychiatry, Medical School; Head of Division.
M.D. (1928), Washington University. At Oregon since 1932.
- WILFRID JOSEPH 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.
- EMMETT FRANCIS DOOLEY, Captain, Air Force**; Assistant Professor of Military Science and Tactics.
At Oregon since 1947.
- DAVID MITCHELL 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.**, Assistant Professor of Political Science and History.
B.A. (1935), Ph.D. (1940), Washington. At Oregon since 1946.
- †DONALD MCLELLAND DUSHANE, M.A.**, Director of Student Affairs.
B.A. (1927), Wabash; M.A. (1937), Columbia. At Oregon since 1948.
- VIRGIL DELMAN EARL, M.A.**, Dean of Men Emeritus.
B.A. (1906), M.A. (1932), Oregon. At Oregon since 1923.
- GLENNIE MAE EARLY, M.A.**, Instructor in English.
B.A. (1924), Wichita; M.A. (1939), Oregon. At Oregon since 1946.
- EDWIN GEORGE EBBIGHAUSEN, Ph.D.**, Associate Professor of Physics.
B.S. (1936), Minnesota; Ph.D. (1940), Chicago. At Oregon since 1946.

* Deceased Oct. 15, 1947.

† Appointment effective June 1, 1948.

THEODORA EDWARDS, B.A., Instructor in Chemistry.

B.A. (1945), Willamette. At Oregon since 1947.

NORMAN ROBERT EGGIMANN, M.S., Instructor in Business Administration.

B.S. (1932), Southeast Missouri State Teachers; M.S. (1939), Illinois. At Oregon since 1946.

DALE NEAL ELLIOTT, First Sergeant, Infantry; Instructor in Military Science and Tactics.

At Oregon since 1946.

***EDNA J. ELLIS, M.A.**, Instructor in English.

A.B. (1924), Willamette; M.A. (1930), Kimball School of Theology. At Oregon since 1946.

PAUL WARREN 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.

BERTRAM FELIX EMERSON, Master Sergeant, Field Artillery; Instructor in Military Science and Tactics.

At Oregon since 1946.

†CHARLES WALKER ENDICOTT, B.Arch., Instructor in Architecture.

B.Arch (1942), Oregon. At Oregon since 1946.

LEON DAVID EPSTEIN, M.A., Assistant Professor of Political Science.

B.A. (1940), M.A. (1941), Wisconsin. At Oregon since 1947.

ALICE HENSON ERNST, M.A., Associate Professor English.

B.A. (1912), M.A. (1913), Washington. At Oregon since 1924.

RUDOLF HERBERT ERNST, Ph.D., Professor of English.

B.A. (1904), Northwestern College; M.A. (1912), Ph.D. (1918), Harvard. At Oregon since 1923.

RALPH MOTT ERWIN, JR., D.M.D., Clinical Associate in Dentistry; Head of Department of Pedodontia, Dental School.

D.M.D. (1934), North Pacific. At Dental School since 1935.

ELIZABETH FINDLY, A.M.L.S., Reference Librarian.

A.B. (1929), Drake; B.S. in L.S. (1934), Illinois; A.M.L.S. (1945), Michigan. At Oregon since 1934.

ANDREW FISH, Ph.D., Professor Emeritus of History.

B.A. (1920), M.A. (1921), Oregon; Ph.D. (1923), Clark. At Oregon since 1920.

HENRY C. FIXOTT, D.M.D., Clinical Associate in Dentistry; Head of Department of Radiology, Dental School.

D.M.D. (1938), North Pacific. At Dental School since 1947.

VERGIL SVENDSEN FOGDALL, Ph.D., Associate Director of Student Affairs.

B.A. (1932), Ottawa (Kansas); M.A. (1933), Ph.D. (1947), Iowa. At Oregon since 1947.

JOHN MCKENZIE FOSKETT, Ph.D., Associate Professor of Sociology.

A.B. (1932), M.A. (1935), Ph.D. (1939), California. At Oregon since 1946.

MARTHA ALICE FOSTER, B.A., B.S. in L.S., Senior Assistant, Catalog Department, Library.

B.A. (1936), Drake; B.S. in L.S. (1939), Columbia. At Oregon since 1941.

* Resigned Mar. 20, 1948.

† Resigned Dec. 31, 1947.

- BROWNELL FRASIER, B.A., Associate Professor of Interior Design.
B.A. (1922), Oregon. At Oregon since 1931.
- OLGA ALFREDA FREEMAN, M.A., Instructor in Mathematics.
B.S. (1923), Oregon State; M.A. (1934), Washington. At Oregon since 1943.
- EMIL DANIEL FURRER, M.D., Assistant Professor of Health Education.
B.A. (1926), M.D. (1929), Oregon. At Oregon since 1947.
- *WILLIAM HENRY GACKE, B.A., Major, Air Force; Assistant Professor of Military Science and Tactics.
B.A. (1934), Minnesota. At Oregon 1947.
- DANIEL DUDLEY GAGE, Ph.D., Associate Professor of Business Administration.
A.B. (1924), Stanford; M.B.A. (1926), Harvard; Ph.D. (1936), Michigan. At Oregon since 1929.
- JOHN TILSON GANOE, Ph.D., Professor of History.
B.S. (1923), M.A. (1924), Oregon; Ph.D. (1929), Wisconsin. At Oregon since 1930.
- †SARAH ALICE GARDINER, B.A., Junior Assistant, Acquisition Department, Library.
B.A. (1939), Oregon. At Oregon since 1923.
- MAUDE GARNETT, M.A., Associate Professor of Public-School Music.
B.S. (1931), Idaho; M.A. (1934), New York University. At Oregon since 1940.
- 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 SMITH GHENT, Ph.D., Associate Professor of Mathematics.
B.A. (1932), McMaster; S.M. (1933), Ph.D. (1935), Chicago. At Oregon since 1935.
- JAMES HENRY GILBERT, Ph.D., Professor Emeritus of Economics.
B.A. (1903), Oregon; Ph.D. (1907), Columbia. At Oregon since 1907.
- EDMUND PETER GNOZA, B.A., B.S. in L.S., Administrative Assistant, Library.
B.A. (1940), Wisconsin; B.S. in L.S. (1947), Columbia. At Oregon since 1947.
- ‡GEORGE H. GODFREY, B.S., Associate in News Bureau.
B.S. (1929), Oregon. At Oregon since 1927.
- PHILIP A. GOLDBERG, M.A., Instructor in Physics.
B.A. (1944), Reed; M.A. (1947), California. At Oregon since 1947.
- MAXINE LOUISE GORDON, M.A., Instructor in English.
B.S. (1942), Northwestern; M.A. (1945), Chicago. At Oregon since 1946.
- †STACY L. GREEN, Mus.M., Assistant Professor of Piano.
A.B. (1922), Northland; Mus. M. (1940), Northwestern. At Oregon since 1944.
- VIRGINIA GREER, M.A., Instructor in Education; Dean of Girls and Supervisor of Social Studies, University High School.
B.A. (1929), M.A. (1935), Oregon. At Oregon since 1943.
- JOYCE ELIZABETH GRUEL, B.A., Assistant Food Manager in Dormitories.
B.A. (1940), Montana. At Oregon since 1946.

* Resigned Dec. 14, 1947.

† Resigned Feb. 1, 1948.

‡ On leave of absence 1947-48.

- GEORGE DELMONT HADLEY, M.A.**, Instructor in Education; Supervisor of Social Studies, University High School.
B.E. (1937), Northern Illinois State Teachers; M.A. (1942), Colorado State College of Education. At Oregon since 1946.
- JOHN ELDEN HALE, M.A.**, Instructor in Education; Supervisor of Science, University High School.
B.A. (1928), Nebraska; M.A. (1938), Colorado. At Oregon since 1945.
- MURRILL EVERETT HALE**, Master Sergeant, Infantry; Instructor in Military Science and Tactics.
At Oregon since 1948.
- HENRY WILLIAM HALL, B.S.**, Lieutenant Colonel, Infantry; Assistant Professor of Military Science and Tactics.
B.S. (1928), Oregon. At Oregon 1940-42 and since 1946
- *ROBERT CARR HALL**, Associate Professor of Journalism; Superintendent of University Press.
At Oregon since 1917.
- BERTHA BRANDON HALLAM, B.A.**, Librarian of the Medical School.
B.A. (1931), Oregon. At Oregon since 1919.
- 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.
- LEO ALLAN HARRIS, M.A.**, Athletic Director; Professor of Physical Education.
A.B. (1927), M.A. (1929), Stanford. At Oregon since 1947.
- WALLACE STANFORD HAYDEN, B.Arch.**, Reg. Archt., Associate Professor of Architecture.
B.Arch. (1928), Oregon; Reg. Archt. (1935), State of Oregon. At Oregon since 1930.
- †WILLIAM LOUIS HAYWARD**, Professor Emeritus of Physical Education.
At Oregon since 1903.
- HARRY EUGENE HEATH, JR., M.S.J.**, Instructor in Journalism.
B.A. (1941), Tulsa; M.S.J. (1947), Northwestern. At Oregon since 1947.
- CARL DIEDERICH HELDT, M.P.E.**, Instructor in Physical Education; Freshman Coach.
B.S. (1935), M.P.E. (1938), Purdue. At Oregon since 1947.
- RAYMOND C. HENDRICKSON, M.S.**, Instructor in Education; Supervisor of Physical Education for Boys, University High School.
B.S. (1935), M.S. (1947), Oregon. At Oregon since 1935.
- HANS HEYMANN, Ph.D.**, Assistant Professor of Chemistry.
M.A. (1939), Ph.D. (1941), Harvard. At Oregon since 1946.
- EDWIN LEE HIBNER**, Major, Air Force; Assistant Professor of Military Science and Tactics.
At Oregon since 1946.
- EUGENE VINCENT HILL, M.A.**, Instructor in English.
B.A. (1939), M.A. (1940), Willamette. At Oregon since 1947.
- WILLIAM F. HINTZ, B.A.**, Captain, Infantry; Assistant Professor of Military Science and Tactics.
B.A. (1941), Dickinson State Teachers (North Dakota). At Oregon since 1947.

* Retirement effective June 30, 1948.

† Deceased Dec. 15, 1947.

- RICHARD FRANCIS HOCKSWENDER, B.A.**, Instructor in English.
B.A. (1943), Pittsburgh. At Oregon since 1947.
- HUBERT H. HOELTJE, Ph.D.**, Professor of English.
B.A. (1919), M.A. (1926), Ph.D. (1932), Iowa. At Oregon since 1947.
- ORLANDO JOHN 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 NIXON 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.
- THOMAS MELVIN HOLT, B.A.**, Instructor in Business Administration.
B.A. (1939), Willamette. At Oregon since 1947.
- CAROLINE OTHELIA HOOPMANN, B.S.**, Registrar of the Medical School.
B.S. (1928), Nebraska. At Oregon since 1943.
- GEORGE HOPKINS, B.A.**, Professor of Piano.
Teachers Certificate (1918), Peabody Conservatory; B.A. (1921), Oregon. At Oregon 1919-23 and since 1925.
- ROBERT WALLER HORD, B.M.**, Assistant Professor of Piano.
B.M. (1938), Southern Methodist. At Oregon since 1947.
- ROBERT DEWEY HORN, Ph.D.**, Professor of English.
B.A. (1922), M.A. (1924), Ph.D. (1930), Michigan. At Oregon since 1925.
- DONALD EUGENE HOUGHTON, M.A.**, Instructor in English.
B.A. (1941), Washington; M.A. (1947), Columbia. At Oregon since 1947.
- CHARLES GERARD HOWARD, A.B., J.D.**, Professor of Law.
A.B. (1920), J.D. (1922), Illinois. At Oregon since 1928.
- HOWARD STANLEY HOYMAN, Ed.D.**, Professor of Health Education.
B.S. (1931), Ohio State; M.A. (1932), Ed.D. (1947), Columbia. At Oregon since 1932.
- RALPH RUSKIN 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 LEO HUFFAKER, Ph.D.**, Professor of Education.
B.S. (1915), Chicago; M.A. (1922), Ph.D. (1923), Iowa. At Oregon since 1927.
- THOMAS PATRICK HUGHES, B.P.E.**, Instructor in Physical Education; Athletic Trainer.
B.P.E. (1946), Purdue. At Oregon since 1946.
- DONALD LAURENCE HUNTER, B.S.**, Head of Audio-Visual Department, Library.
B.S. (1945), Nebraska. At Oregon since 1946.
- WARREN CLAIR 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.
- JOHN HUNTINGTON HUTTON, M.D.**, Assistant Clinical Professor of Anaesthesiology, Medical School; Head of Division.
B.A. (1924), M.D. (1927), Michigan. At Oregon since 1938.
- CHARLES BUFORD INGRAM, B.A.**, Instructor in Speech.
B.A. (1946), Stanford. At Oregon since 1948.
- EDITH ROEDER JACOBS, M.A.**, Instructor in Health Education.
A.B. (1923), Parsons; M.A. (1928), Columbia. At Oregon 1946 and since 1948.

***GUY ASHCROFT JACOBS, M.A.**, Instructor in Economics.

B.S. (1927), Spearfish Normal (South Dakota); M.A. (1928), New York University. At Oregon 1947.

PAUL BENJAMIN 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 DAVID JACOBY, B.S., Assistant Superintendent of Physical Plant.

B.S. (1940), Oregon. At Oregon since 1948.

BERTRAM EML JESSUP, Ph.D., Assistant Professor of Philosophy.

B.A. (1927), M.A. (1935), Oregon; Ph.D. (1938), California. At Oregon since 1936.

GEORGE STANLEY JETTE, B.L.A., Assistant Professor of Landscape Architecture.

B.L.A. (1940), Oregon. At Oregon since 1941.

JAMES RALPH 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 LEONARD JOHNSON, Ph.D., Assistant Professor of Romance Languages.

B.A. (1924), M.A. (1925), Iowa; Ph.D. (1933), Harvard. At Oregon since 1935.

ELDON LEE 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 HOWE JOHNSON, Comptroller Emeritus.

At Oregon since 1901.

FAITH ELEANOR 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 MURRISON JONES, M.S., Instructor in Business Administration.

B.A. (1937), Iowa State Teachers; M.S. (1945), Oregon. At Oregon since 1946.

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 Dental School since 1947.

PAUL EDUARD KAMBLY, Ph.D., Professor of Education.

B.Ed. (1930), Illinois State Normal; M.S. (1934), Ph.D. (1939), Iowa. At Oregon since 1946.

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 LYLE 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.

JEAN KENDALL, B.A., Assistant Professor of Art.

B.A. (1940), Oregon. At Oregon 1943-44 and since 1947.

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 IRVINE 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.

* Resigned Dec. 31, 1947.

- 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.
- DONALD JEROME KIMELDORF, Ph.D.**, Instructor in Biology.
B.A. (1942), Reed; M.A. (1944), Oregon; Ph.D. (1947), California at Los Angeles.
At Oregon since 1947.
- LYLE BOYLE 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.
- RAMON WALTER KIREILIS, M.S.**, Instructor in Physical Education; Head Swimming Coach.
B.S. (1941), M.S. (1944), Illinois. At Oregon since 1946.
- DONALD HOWARD KIRSCH, B.S.**, Instructor in Physical Education; Head Baseball Coach; Assistant Basketball Coach.
B.S. (1943), Oregon. At Oregon since 1947.
- EDWARD DOMINICUS KITTOE, M.A.**, Assistant Professor of English.
B.A. (1931), M.A. (1936), Oregon. At Oregon since 1936.
- PAUL LINCOLN KLEINSORGE, Ph.D.**, Associate Professor of Economics.
A.B. (1927), Ph.D. (1939), Stanford; M.B.A. (1929), Harvard. At Oregon since 1948.
- JAMES DEWITT KLINE, B.A.**, Assistant Registrar.
B.A. (1937), Minnesota. At Oregon since 1947.
- ERNESTO RAY KNOLLIN, M.A.**, Professor of Physical Education.
B.A. (1914), M.A. (1929), Stanford. At Oregon since 1929.
- WALTER ARTHUR KOCH, B.A.**, Captain, Air Force; Assistant Professor of Military Science and Tactics.
B.A. (1940), Wittenberg. At Oregon since 1947.
- ALEXANDER KOIRANSKY, B.A.**, Assistant Professor of Slavic Languages.
B.A. (1909), Moscow. At Oregon since 1947.
- CLARENCE ARTHUR KRAFT, B.A.**, Instructor in Romance Languages.
B.A. (1946), Oregon. At Oregon since 1947.
- 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 PHILIPP KREMER, J.U.D.**, Professor of Germanic Languages and Literatures.
Dr. juris utriusque (1924), Frankfurt on Main. At Oregon since 1928.
- CLARICE KRIEG, A.M.**, Catalog Librarian.
B.A. (1932), Iowa; B.S. in L.S. (1933), A.M. (1935), Illinois. At Oregon since 1941.
- ADOLF HENRY 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.
- 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.

- ETHEL LINDEMOOD LAWRENCE**, B.S., Instructor in Mathematics.
B.S. (1946), Oregon. At Oregon since 1947.
- LOUISE LAYBOURN**, B.A., B.S. in L.S., Senior Acquisition Assistant, Library.
B.A. (1942), B.S. in L.S. (1943), Denver. At Oregon since 1948.
- ROBERT WARD LEEPER**, Ph.D., Associate Professor of Psychology.
B.A. (1925), Allegheny; M.A. (1928), Ph.D. (1930), Clark. At Oregon since 1937.
- RALPH WALDO 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.
- ***DEBRAH DILLON LESAGE**, B.A., Instructor in English.
B.A. (1934), Illinois. At Oregon since 1946.
- LAURENCE LESAGE**, Ph.D., Assistant Professor of Romance Languages.
A.B. (1935), A.M. (1936), Ph.D. (1940), Illinois. At Oregon 1940-42 and since 1946.
- EDWARD CHRISTIAN ALAN LESCH**, Ph.D., Professor of English.
B.A. (1925), M.A. (1926), Illinois; Ph.D. (1928), Princeton. At Oregon since 1928.
- DEBORAH TAYLOR LEWIS**, A.B., B.S. in L.S., Junior Assistant, Acquisition Department, Library.
B.A. (1945), B.S. in L.S. (1946), North Carolina. At Oregon since 1946.
- HOWARD PHELPS LEWIS**, M.D., Professor of Medicine, Medical School; Head of Department.
B.S. (1924), Oregon State; M.D. (1930), Oregon. At Oregon since 1932.
- JOHN ORVILLE LINDSTROM**, B.S., Business Manager.
B.S. (1932), Oregon. At Oregon since 1932.
- ARTHUR POTTER LITCHMAN**, Athletic Publicity Director.
At Oregon since 1946.
- SIDNEY WAHL 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 and Georgia. At Oregon since 1946.
- WILLIAM KENNETH 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.
- ALFRED LEWIS LOMAX**, M.A., Professor of Business Administration.
B.B.A. (1923), Oregon; M.A. (1927), Pennsylvania. At Oregon since 1919.
- ROBERT CLARK 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.
- MANUEL LEÓN LÓPEZ**, M.A., Instructor in Romance Languages.
B.A. (1916), Ohio Wesleyan; M.A. (1918), Illinois. At Oregon since 1944.
- LEO SHERMAN 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.
- GEORGE FREDERICK LUSSKY**, Ph.D., Professor of Germanic Languages and Literatures.
A.B. (1907), Chicago; A.M. (1912), Ph.D. (1915), Wisconsin. At Oregon 1910-11 and since 1939.
- * Resigned Mar. 20, 1948.

*ALICE BAKER MACDUFF, B.A., Housing Secretary.

B.A. (1906), Michigan. At Oregon since 1930.

FRANK RUDOLPH MAERDIAN, B.S., Colonel, Infantry; Professor of Military Science and Tactics; Head of Department.

B.S. (1928), U.S. Military Academy. At Oregon since 1947.

CHARLES H. MANLOVE, M.D., Associate in Pathology, Dental School; Acting Head of Department.

B.S. (1913), Valparaiso; M.D. (1914), Loyola. At Dental School since 1939.

FRANCES EVELYN MANVILLE, B.S., Instructor in Home Economics.

B.S. (1946), Pratt Institute. At Oregon since 1947.

MARGARET MARKLEY, A.B., B.S. in L.S., Junior Assistant, Catalog Department, Library.

A.B. (1933), Southwest Missouri State Teachers; B.S. in L.S. (1941), Illinois. At Oregon since 1945.

DONALD ROSS MARSHALL, B.S., J.D., Assistant Professor of Business Administration.

B.S. (1939), J.D. (1940), Oregon; LL.M. (1941), Columbia. At Oregon since 1947.

EDGAR W. MARTIN, Assistant Business Manager.

At Oregon since 1946.

WALTER TILFORD MARTIN, M.A., Instructor in Sociology.

B.A. (1943), M.A. (1947), Washington. At Oregon since 1947.

JEANNETTE ANN MASILIONIS, M.S., Instructor in Physical Education.

B.S.Ed. (1944), M.S. (1945), Ohio. At Oregon since 1946.

MARIE RIDINGS MASON, M.A., Instructor in Mathematics.

B.A. (1921), Oregon; M.A. (1929), Columbia. At Oregon since 1943.

†WAYNE W. MASSEY, Ph.D., Associate Professor of Physical Education.

B.S. (1933), M.A. (1935), Ph.D. (1938), Iowa. At Oregon since 1939.

ALRIC EUGENE MAYEA, Master Sergeant, Air Force; Instructor in Military Science and Tactics.

At Oregon since 1946.

ROY CLYDE 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., Assistant Professor of English.

B.A. (1926), Loras; M.A. (1928), Iowa; Ph.D. (1939), Stanford. At Oregon 1933-36 and since 1938.

DAVID JOHN MCCOSH, Assistant Professor of Art.

Graduate (1927), Art Institute of Chicago. At Oregon since 1934.

WILLIAM B. MCGHEE, B.S. in Arch., Assistant Professor of Architecture.

B.S. in Arch. (1945), Alabama Polytechnic. At Oregon since 1948.

ROSE ELIZABETH MCGREW, Professor Emeritus of Voice.

At Oregon since 1920.

GEORGIA ELIZABETH MCKENNEY, M.A., Instructor in English.

B.A. (1939), Bates; M.A. (1946), Middlebury. At Oregon since 1947.

MARTHA LUCILE MCMULLEN, M.A., Instructor in English.

B.A. (1933), College of Emporia; M.A. (1938), Colorado. At Oregon since 1946.

* Retirement effective June 30, 1948.

† Resigned Oct. 23, 1947.

HERBERT CRAWFORD MCMURTRY, Ph.D., Acting Assistant Professor of Psychology; Counselor, University Counseling Center.

B.A. (1926), Yankton; M.A. (1931), Chicago; Ph.D. (1938), Oregon. At Oregon since 1945.

***NATHALIE TOMS MEANS, B.A.**, Instructor in English.

B.A. (1922), Washington State. At Oregon since 1946.

PAUL BANWELL 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.

BYRON L. MILLER, B.S., Instructor in Trumpet; Instructor in Education; Supervisor of Instrumental Music, Eugene High School.

B.S. (1935), Oregon State. At Oregon since 1946.

FRED NATHAN 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.

HORACE M. MILLER, D.M.D., Professor of Dentistry; Head of Extraction Clinic, Dental School.

B.A. (1917), Reed; D.M.D. (1924), North Pacific. At Dental School since 1924.

MARIAN HAYES MILLER, M.D., Assistant University Physician; Associate Professor of Physical Education.

B.A. (1925), M.D. (1930), Oregon. At Oregon since 1931.

RICHARD KING MILLER, B.A., Instructor in Physical Education; Football Line Coach.

B.A. (1941), Nevada. At Oregon since 1947.

LYOYD F. MILLHOLLEN, JR., B.S., Instructor in Education; Principal, University High School.

B.S. (1934), Oregon State. At Oregon since 1946.

RICHARD D. MILLICAN, Ph.D., Assistant Professor of Advertising.

B.S. (1931), M.B.A. (1940), Ph.D. (1947), Southern California. At Oregon since 1945.

RANDALL VAUSE MILLS, M.A., Assistant Professor of English.

B.A. (1929), California at Los Angeles; M.A. (1932), California. At Oregon since 1938.

DOROTHY RUTH MOHR, Ph.D., Associate Professor of Physical Education.

B.S. (1932), M.A. (1933), Chicago; Ph.D. (1944), Iowa. At Oregon since 1947.

ERNEST GEORGE MOLL, A.M., Professor of English.

A.B. (1922), Lawrence; A.M. (1923), Harvard. At Oregon since 1928.

KIRT EARL MONTGOMERY, M.A., Assistant Professor of Speech.

A.B. (1930), Carroll; M.A. (1939), Northwestern. At Oregon 1941-43 and since 1945.

†ARTHUR RUSSELL MOORE, Ph.D., Research Professor 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.

B.A. (1933), M.A. (1934), Ph.D. (1940), Princeton. At Oregon since 1946.

ELON HOWARD MOORE, Ph.D., Professor of Sociology; Head of Department.

A.B. (1919), Albion; Ph.D. (1927), Wisconsin. At Oregon since 1935.

JOSEPHINE STOFIEL MOORE, B.S., Acting Director of News Bureau.

B.S. (1931), Oregon. At Oregon since 1946.

* Resigned Mar. 20, 1948.

† Retirement effective June 30, 1948.

JENNELLE V. MOORHEAD, B.A., Associate Professor of Health Education.

B.A. (1925), Willamette. At Oregon since 1946.

MARGARET MARY MORAN, M.A., Instructor in Physical Education.

B.S. (1943), Mary Washington; M.A. (1947), Texas State College for Women. At Oregon since 1947.

RALPH JOHNSON MORGAN, Master Sergeant, Air Force; Instructor in Military Science and Tactics.

At Oregon since 1946.

TRUE MORRIS, M.A., Junior Assistant, Audio-Visual Department, Library.

B.A. (1920), M.A. (1933), Oregon. At Oregon since 1934.

VICTOR PIERPONT 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.

ANDREW FLEMING MOURSUND, Ph.D., Professor of Mathematics; Head of Department.

B.A. (1923), M.A. (1927), Texas; Ph.D. (1932), Brown. At Oregon since 1931.

MALBURN D. MUDD, First Sergeant, Infantry; Instructor in Military Science and Tactics.

At Oregon 1941-44 and since 1945.

THOMAS FRANCIS MUNDLE, M.A., Instructor in English.

M.A. (1923), St. Andrews. At Oregon since 1940.

RUTH NELSEN, B.S., Instructor in Home Economics.

B.S. (1944), Washington. At Oregon since 1947.

GEORGE BAKER NELSON, M.S., Instructor in Education; Principal, Roosevelt Junior High School.

B.S. (1935), State Teachers College (Valley City, N.D.); M.S. (1940), Oregon. At Oregon since 1943.

LYLE MORGAN NELSON, B.A., Director of Information.

B.A. (1942), Oregon. At Oregon 1942-43 and since 1947.

IRWIN MAYER NEWELL, Ph.D., Assistant Professor of Biology; Curator of Invertebrate Collections.

B.S. (1939), M.S. (1941), Washington State; M.S. (1942), Ph.D. (1945), Yale. At Oregon since 1946.

EGBERT RAY NICHOLS, JR., M.A., Assistant Professor of Speech; Director of Forensics.

A.B. (1936), Redlands; M.A. (1937), Cornell. At Oregon since 1947.

IVAN MORTON NIVEN, Ph.D., Associate Professor of Mathematics.

B.A. (1934), M.A. (1936), British Columbia; Ph.D. (1938), Chicago. At Oregon since 1947.

*HAROLD JOYCE NOBLE, Ph.D., Professor of History.

A.B. (1924), Ohio Wesleyan; M.A. (1925), Ohio State; Ph.D. (1931), California. At Oregon since 1931.

WILL VICTOR 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.

* On leave of absence 1947-48.

HAROLD JUDD NOYES, D.D.S., M.D., Dean of the Dental School; Professor of Dentistry.

Ph.B. (1923), M.D. (1933), Chicago; B.S. (1928), D.D.S. (1928), Illinois. At Dental School since 1946.

KENNETH JOHN O'CONNELL, LL.B., S.J.D., Professor of Law.

LL.B. (1933), S.J.D. (1934), Wisconsin. At Oregon since 1935.

KARL WILLIAM ONTHANK, M.A., Associate Director of Student Affairs.

B.A. (1913), M.A. (1915), Oregon. At Oregon since 1916.

EDWIN EUGENE OSGOOD, M.D., Associate Professor of Medicine, Medical School; Head of Division of Experimental Medicine.

B.A. (1923), M.A. (1924), M.D. (1924), Oregon. At Oregon since 1921.

NORMAN HUBERT OSWALD, Ph.D., Instructor in English.

B.A. (1935), Reed; M.A. (1943), Ph.D. (1946), California. At Oregon since 1946.

***RUTH CARTER OSWALD, B.A.,** Instructor in English.

B.A. (1935), Reed. At Oregon since 1947.

EARL MANLEY PALLETT, Ph.D., Assistant to the President.

B.S. (1921), M.S. (1922), Wisconsin; Ph.D. (1931), Oregon. At Oregon since 1927.

CLYDE WILLIAM PARKER, B.A., Instructor in English.

B.A. (1942), Oregon. At Oregon since 1947.

WADE PARKS, M.Mus., Instructor in Piano.

B.M. (1946), Chicago Musical College; M.Mus. (1947), Southern California. At Oregon since 1947.

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

B.A. (1936), M.A. (1940), College of the Pacific; M.S. (1943), Columbia. At Oregon since 1946.

ROBERT E. PATRICIAN, Master Sergeant, Air Force; Instructor in Military Science and Tactics.

At Oregon since 1947.

PANSY PATTI PATTON, A.B. in L.S., M.A., Junior Assistant, Reference Department, Library.

A.B. (1918), M.A. (1931), A.B. in L.S. (1942), Oklahoma. At Oregon since 1943.

FREDERICK WILLIAM PAUL, Ph.D., Associate Professor of Physics.

B.A. (1933), Willamette; B.S. (1940), Ohio State; M.S. (1935), Ph.D. (1937), Massachusetts Institute of Technology. At Oregon since 1947.

ROBERT MCNEELEY PEDEN, B.S., Captain, Infantry; Assistant Professor of Military Science and Tactics.

B.S. (1943), U.S. Military Academy. At Oregon since 1947.

ARNO L. PEETERSON, B.S., Instructor in Business Administration.

B.S. (1937), Oregon. At Oregon since 1946.

MARY HALLOWELL PERKINS, M.A., Professor Emeritus of English.

B.A. (1898), Bates; M.A. (1908), Radcliffe. At Oregon since 1908.

†THURMAN STEWART 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.

* Resigned Mar. 20, 1948.

† On leave of absence 1947-48.

- IONE FEEK PIERRON**, B.A. in L.S., Junior Assistant, Catalog Department, Library.
B.A. (1936), Puget Sound; B.A. in L.S. (1937), Washington. At Oregon since 1948.
- PERRY JOHN POWERS**, Ph.D., Instructor in Romance Languages.
B.A. (1941), Oregon; Ph.D. (1947), Johns Hopkins. At Oregon since 1946.
- WARREN C. PRICE**, M.A., Associate Professor of Journalism.
B.A. (1929), M.A. (1938), Wisconsin. At Oregon since 1942.
- RUTH MARIE PROTZMAN**, B.A., B.S. in L.S., Junior Assistant, Catalog Department, Library.
B.A. (1942), Manchester (Indiana); B.S. in L.S. (1946), Illinois. At Oregon since 1946.
- WILLIAM WYATT PYLE**, M.S., Assistant Professor in Business Administration.
B.S. (1937), M.S. (1940), Indiana State Teachers. At Oregon since 1947.
- FRANCIS JOSEPH REITHEL**, Ph.D., Assistant Professor of Chemistry.
B.A. (1936), Reed; M.A. (1938), Ph.D. (1942), Oregon. At Oregon since 1946.
- THEODORE O. REYHNER**, A.M., Associate Professor of Architecture.
B.S. in C.E. (1937), Newark College of Engineering; A.M. (1938), Columbia. At Oregon since 1947.
- WILLIAM PASCOE RHODA**, M.S., Instructor in Physical Education.
B.S. (1939), Pennsylvania State; M.S. (1947), Oregon. At Oregon since 1948.
- LOUIS EARL RICHTER**, M.A., Instructor in Romance Languages.
B.A. (1940), Minnesota; M.A. (1947), Oregon. At Oregon since 1946.
- RETA WILMA RIDINGS**, B.A., B.S. in L.S., Art and Architecture Librarian.
B.A. (1924), Oregon; B.S. in L.S. (1926), Carnegie Institute of Technology. At Oregon 1926-28, 1945-46, and since 1947.
- BERNICE MARGUERITE RISE**, A.B., B.S. in L.S., Readers' Consultant and Circulation Librarian.
B.A. (1923), Oregon; B.S. in L.S. (1928), Columbia. At Oregon since 1919.
- PAUL LEMUEL 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 CLYDE ROBBINS, JR.**, M.B.A., Instructor in Economics.
B.A. (1938), Oregon; M.B.A. (1943), Harvard. At Oregon since 1946.
- HARRIETT JEANNE ROBERTS**, B.A., Instructor in English.
B.A. (1946), Pittsburgh. At Oregon since 1947.
- HORACE WILLIAM ROBINSON**, M.A., Assistant Professor of Speech; Director of University Theater.
B.A. (1931), Oklahoma City; M.A. (1932), Iowa. At Oregon since 1933.
- RICHARD BENEDICT ROCHÉ**, Captain, Infantry; Assistant Professor of Military Science and Tactics.
At Oregon since 1946.
- MARY THERESA ROGOLINO**, M.A., Instructor in Romance Languages.
A.B. (1944), Florida State College for Women; M.A. (1945), Duke. At Oregon since 1947.
- MARION DEAN ROSS**, M.Arch., Assistant Professor of Architecture.
B.S. (1935), Pennsylvania State; M.Arch. (1937), Harvard. At Oregon since 1947.
- DENTON D. ROSSELL**, M.A., Assistant Professor of Voice.
B.A. (1931), Washington; M.A. (1940), Columbia. At Oregon since 1947.
- TED RUSSELL**, M.S., Business Manager and Registrar, Dental School.
B.S. (1936), M.S. (1938), Oregon. At Dental School since 1947.

- CHARLES BRYAN RYAN, M.F.A.**, Instructor in Art.
B.S. (1939), M.F.A. (1940), Oregon. At Oregon since 1946.
- EDITH M. RYMAN, B.A.**, Counselor, University Counseling Center.
B.A. (1946), Oregon. 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.
- 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 JOHNSON 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.
- RICHARD MORT SEIFERT, M.S.**, Research Assistant, Bureau of Municipal Research and Service.
A.B. (1943), DePauw; M.S. (1945), Denver. At Oregon since 1947.
- CORWIN V. SEITZ, B.A.**, Junior Assistant, Acquisition Department, Library.
B.A. (1922), Oregon. At Oregon since 1922.
- OTTILIE TURNBULL SEYBOLT, M.A.**, Associate Professor of Speech.
A.B. (1910), Mount Holyoke; M.A. (1915), Wisconsin. At Oregon since 1928.
- DAVID COLLINS SHAW, A.B., LL.B.**, Special Lecturer in Law.
A.B. (1929), LL.B. (1933), Harvard. At Oregon since 1948.
- FLORENCE MARIE SHEEHAN, M.A.**, Instructor in English.
B.A. (1935), Smith; M.A. (1944), Middlebury. At Oregon since 1946.
- HENRY DAVIDSON SHELDON, Ph.D.**, Research Professor Emeritus of History and Education.
A.B. (1896), A.M. (1897), Stanford; Ph.D. (1900), Clark. At Oregon 1900-11 and since 1914.
- *IRMA ZWERGEL SHERWOOD, Ph.D.**, Instructor in English.
A.B. (1940), Barnard; M.A. (1942), Ph.D. (1945), Yale. At Oregon since 1946.
- JOHN COLLINGWOOD SHERWOOD, Ph.D.**, Assistant Professor of English.
B.A. (1941), Lafayette; M.A. (1942), Ph.D. (1945), Yale. At Oregon since 1946.
- FREDERICK LAFAYETTE SHINN, Ph.D.**, Professor Emeritus of Chemistry.
A.B. (1901), A.M. (1902), Indiana; Ph.D. (1906), Wisconsin. At Oregon since 1907.
- JESSE ARNOLD SHOTWELL, B.S.**, Preparator, Museum of Natural History.
B.S. (1947), Oregon. At Oregon since 1947.
- PETER OLAF SIGERSETH, D.Ed.**, Assistant 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.
- FRANK PERRY SIPE, M.S.**, Associate Professor of Botany.
B.S. (Agr.) (1916), M.S. (Educ.) (1918), Missouri; M.S. (1923), Iowa State. At Oregon since 1932.
- 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.

* Resigned Mar. 20, 1948.

ALLAN HUGH SMITH, Ph.B., LL.B., Assistant Professor of Law.

Ph.B. (1939), Santa Clara; LL.B. (1942), Harvard. At Oregon since 1946.

JESSIE MAY SMITH, M.A., Assistant Professor of Business Administration.

B.S.S. (1934), Oregon State; M.A. (1946), Oregon. At Oregon since 1941.

ROBERT WORTHINGTON 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.

WARREN DUPRE SMITH, Ph.D., Professor Emeritus of Geology and Geography.

B.S. (1902), Wisconsin; M.A. (1904), Stanford; Ph.D. (1908), Wisconsin. At Oregon 1914-20 and since 1922.

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 Dental School since 1946.

VINTON HAROLD SNYDER, B.S., Instructor in Trombone and Baritone.

B.S. (1939), Oregon. At Oregon since 1946.

ARNOLD LARSON SODERWALL, Ph.D., Assistant Professor of Zoology.

B.A. (1936), Linfield; M.A. (1937), Illinois; Ph.D. (1941), Brown. At Oregon since 1941.

HELEN LLOYD SOEHREN, M.A., Instructor in English.

B.A. (1935), M.A. (1938), Oregon. At Oregon since 1942.

LLOYD RUSHFORD SORENSON, Ph.D., Assistant Professor of History.

B.A. (1938), North Dakota; M.A. (1945), Ph.D. (1947), Illinois. At Oregon since 1947.

PHILIP WEBSTER 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.

*CARLTON ERNEST SPENCER, B.A., J.D., Professor of Law.

B.A. (1913), LL.B. (1915), J.D. (1925), Oregon. At Oregon 1915-17 and since 1919.

DOROTHY ELIZABETH SPENCER, M.A. in L.S., Senior Assistant, Reference Department, Library.

B.S. (1940), Kansas State Teachers (Emporia); A.B. (1944), Fort Hays Kansas State; M.A. in L.S. (1945), Michigan. At Oregon since 1947.

ROBERT FRANCIS SPENCER, Ph.D., Assistant Professor of Anthropology.

A.B. (1937), Ph.D. (1946), California; M.A. (1940), New Mexico. At Oregon since 1947.

HUGUETTE RENÉE SPONENBURGH, Baccalauréat, Instructor in Romance Languages.

Baccalauréat (1929), Lycée Molière (Paris). At Oregon since 1948.

MARK RITTER SPONENBURGH, Instructor in Art.

Cert. (1946), Cranbrook Academy; Cert. (1946), École des Beaux Arts. At Oregon since 1946.

VERNON STEPHEN SPRAGUE, M.A., Assistant Professor of Physical Education.

B.S. (1937), Oregon; M.A. (1942), Michigan. At Oregon since 1946.

BETTY MAE STAMM, B.A., Junior Assistant, Acquisition Department, Library.

B.A. (1926), 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.

* On leave of absence, winter and spring terms, 1947-48.

- 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 CECIL STEARNS, M.D.**, Clinical Professor of Obstetrics and Gynecology, Medical School; Head of Department.
B.S. (1924), M.S. (1925), Oregon State; M.D. (1929), Oregon. At Oregon since 1932.
- JOHN STEHN, M.S.**, Associate Professor of Wind Instruments; Director of University Band.
A.B. (1925), Grinnell; M.S. (1927), Iowa. At Oregon since 1929.
- FRED LEA STETSON, M.A.**, Professor of Education.
A.B. (1911), M.A. (1913), Washington. At Oregon since 1913.
- HENRY EUGENE STEVENS, D.Ed.**, Associate Professor of Education.
B.S. (1936), D.Ed. (1940), Oregon. At Oregon since 1944.
- WILLIAM JOHN STEVENS, M.A.**, Instructor in English.
B.A. (1938), M.A. (1939), Dalhousie. At Oregon since 1946.
- ARTHUR BENJAMIN STILLMAN, M.B.A.**, Professor of Business Administration.
B.A. (1928), Oregon; M.B.A. (1937), Washington. At Oregon since 1922.
- HENRY G. STOFFEL, D.D.S.**, Professor of Dentistry; Head of Department of Orthodontia, Dental School.
D.D.S. (1928), M.S. (1931), Iowa. At Dental School since 1931.
- JAMES C. STOVALL, M.A.**, Assistant Professor of Geology and Geography.
B.S. (1927), M.A. (1929), Oregon. At Oregon since 1934.
- JOHN GUY STROHM, M.D.**, Clinical Professor of Urology, Medical School; Head of Division.
M.D. (1910), Rush Medical. At Oregon since 1918.
- CELESTINE JAMES SULLIVAN, JR., Ph.D.**, Assistant Professor of Philosophy.
A.B. (1927), M.A. (1928), Ph.D. (1931), California. At Oregon since 1938.
- KENNETH CARL SWAN, M.D.**, Professor of Ophthalmology, Medical School; Head of Department.
B.A. (1933), M.D. (1936), Oregon. At Oregon since 1944.
- RAYNARD COE SWANK, Ph.D.**, Librarian.
B.A. (1934), Wooster; B.S. in L.S. (1937), Western Reserve; Ph.D. (1944), Chicago. At Oregon since 1946.
- MERRILL G. SWENSON, D.D.S.**, Professor of Dentistry; Head of Department of Prosthetics, Dental School.
D.D.S. (1914), Minnesota. At Dental School since 1947.
- DONALD FOUCHT SWINEHART, Ph.D.**, Assistant Professor of Chemistry.
B.S. (1939), Capital; M.S. (1941), Ph.D. (1943), Ohio State. At Oregon since 1946.
- FRANK WILLIAM TATE, B.Ed.**, Instructor in English.
B.Ed. (1941), Eastern Illinois State Teachers. At Oregon since 1946.
- HOWARD RICE 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.
- JANE THACHER**, Professor 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.

- *ANNA McFEELY THOMPSON, M.A.**, Assistant Professor Emeritus of Romance Languages.
A.B. (1900), M.A. (1901), Western Maryland. At Oregon since 1920.
- HARRIET WATERBURY 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.
- ANNE TYSON TORREY, B.A.**, Instructor in Social Science.
B.A. (1945), Oregon. At Oregon since 1947.
- HARVEY GATES TOWNSEND, Ph.D.**, Professor of Philosophy; Head of Department.
A.B. (1908), Nebraska Wesleyan; Ph.D. (1913), Cornell. At Oregon since 1926.
- 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.
- †**HAZEL TULECKE, B.A.**, Instructor in Romance Languages.
B.A. (1946), Michigan. At Oregon since 1947.
- ‡**GEORGE STANLEY TURNBULL, M.A.**, Dean of the School of Journalism; Professor of Journalism.
A.B. (1915), M.A. (1932), Washington. At Oregon since 1917.
- GENEVIEVE GRIFFITH TURNIPSEED, M.A.**, Director of Dormitories.
A.B. (1922), B.S. (1922), Iowa; M.A. (1930), Columbia. At Oregon since 1930.
- LEONA ELIZABETH 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.
- PEARL A. VAN NATTA, B.S.**, Instructor in Mathematics.
B.S. (1947), Oregon. At Oregon since 1947.
- PIERRE VAN RYSSELBERGHE, Ph.D.**, Professor of Chemistry.
Cand.-Ing. (1924), Eng. (1927), Brussels; M.A. (1928), Ph.D. (1929), Stanford. At Oregon since 1941.
- FRANCES VAN VOORHIS, B.S.**, Instructor in Home Economics.
B.S. (1932), Minnesota. At Oregon since 1944.
- ANÍBAL VARGAS-BARÓN, Ph.D.**, Assistant Professor of Romance Languages.
A.B. (1926), Asbury; M.A. (1929), Ph.D. (1943), Washington. At Oregon since 1940.
- ANDREW McDUFFIE VINCENT**, Professor of Art.
Graduate (1927), Art Institute of Chicago. At Oregon since 1928.
- OTTO FREDERICK VONDERHEIT, B.A., LL.B.**, Special Lecturer in Law.
B.A. (1934), LL.B. (1936), Oregon. At Oregon since 1948.
- PAULINE ELLEN WALTON, M.A.**, Assistant Reference Librarian Emeritus.
B.A. (1904), Oregon; M.A. (1906), Northwestern. At Oregon since 1927.
- GERTRUDE BASS WARNER, M.A.**, Director, Museum of Art.
M.A. (1929), Oregon. At Oregon since 1921.
- JULIA WARNER, B.Mus.**, Instructor in Saxophone and Clarinet.
M.Mus. (1947), Oregon. At Oregon since 1947.

* Deceased Sept. 15, 1947.

† Resigned Jan. 25, 1948.

‡ Retirement effective June 30, 1948.

JOHN ALBERT WARREN, B.B.A., Instructor in Physical Education; Head Basketball and Track Coach.

B.B.A. (1928), Oregon. At Oregon since 1935.

PAUL RUDOLPH 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.

JOHN WILLIAM WATT, JR., B.S., Lieutenant Colonel, Air Force; Assistant Professor of Military Science and Tactics.

B.S. (1939), U.S. Military Academy. At Oregon since 1946.

MARIAN PEARL 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, B.S., Assistant Professor of Journalism.

B.S. (1932), Oregon. At Oregon since 1943.

LYMAN A. WEBB, M.A., Instructor in Physics.

B.A. (1942), Lewis and Clark; M.A. (1946), Oregon. At Oregon since 1946.

***CLIFFORD FRANCIS WEIGLE, M.A.**, Dean of the School of Journalism; Professor of Journalism.

B.A. (1929), M.A. (1936), Stanford. At Oregon since 1948.

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 FREDERICK WEIR, Ph.D., Assistant Professor of History and Romance Languages.

B.A. (1929), Michigan; M.A. (1934), Washington; Ph.D. (1947), Southern California. At Oregon since 1947.

ROSAMOND WENTWORTH, M.S., Associate Professor of Physical Education.

B.A. (1931), M.S. (1938), Washington. At Oregon since 1944.

EDWARD STAUNTON 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.

ARNOLD MARCUS WESTLING, B.S. in C.E., Planning Consultant, Bureau of Municipal Research and Service.

B.S. in C.E. (1943), Washington. At Oregon since 1947.

GOLDA PARKER WICKHAM, B.S., Associate Director of Student Affairs.

B.S. (1931), Oregon. At Oregon since 1944.

MARGARET JEAN WIESE, M.A., Instructor in Home Economics.

B.S. (1941), Iowa State; M.A. (1945), Iowa. At Oregon since 1947.

ISAAH ALONZO WILES, M.D., Lieutenant Colonel, Medical Corps; Professor of Military Science and Tactics, Medical School.

A.B. (1931), (1932), M.S. (1932), West Virginia; M.D. (1935), Rush. At Oregon since 1947.

JACK WILKINSON, Assistant Professor of Art.

Graduate (1937), California School of Fine Arts. At Oregon since 1941.

OLIVER MCCARTNEY WILLARD, Ph.D., Assistant Professor of English.

B.A. (1927), Stanford; A.M. (1931), Ph.D. (1936), Harvard. At Oregon since 1946.

* Appointment effective July 1, 1948.

- ASTRID MÖRK WILLIAMS, Ph.D.**, Assistant Professor of Germanic Languages and Literatures.
B.A. (1921), M.A. (1932), Oregon; Ph.D. (1934), Marburg. At Oregon since 1935.
- GILBERT MICHAEL WILLIAMS, M.F.A.**, Instructor in Speech.
B.F.A. (1940), Arizona; M.F.A. (1947), Yale. At Oregon since 1947.
- MILDRED HAYDEN 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 CAMPBELL WILLIAMS, B.S.**, Educational Activities Manager.
B.S. (1941), Oregon. At Oregon since 1941.
- VIRGIL HENRY WINTRODE, M.S.**, Research Assistant, Bureau of Municipal Research and Service.
B.S. (1941), South Dakota State; M.S. (1946), Denver. At Oregon since 1947.
- FRANK EDWIN 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 SCOTT WOOD, Ph.D.**, Associate Professor of Speech; Director, Speech-Correction and Hearing Clinic.
B.S. (1935), Oregon State; M.A. (1938), Michigan; Ph.D. (1946), Southern California. At Oregon since 1942.
- LOUIS AUBREY WOOD, Ph.D.**, Professor of Economics.
B.A. (1905), Toronto; B.D. (1908), Montreal Presbyterian; Ph.D. (1911), Heidelberg. At Oregon since 1924.
- MABEL ALTONA WOOD, M.S.**, Professor of Home Economics; Head of Department.
B.S. (1925), Oregon State; M.S. (1930), Columbia. At Oregon since 1932.
- JANET GRANT WOODRUFF, M.A.**, Associate Professor of Physical Education.
B.S. (1926), M.A. (1929), Columbia. At Oregon since 1929.
- EMMA G. WRIGHT, A.B.**, B.S. in L.S., Junior Assistant, Reference Department, Library.
A.B. (1925), Miami (Ohio); B.S. in L.S. (1939), Illinois. At Oregon since 1946.
- GORDON WRIGHT, Ph.D.**, Associate Professor of History.
A.B. (1933), Whitman; M.A. (1935), Ph.D. (1939), Stanford. At Oregon since 1939.
- IRWIN IRA WRIGHT, B.S.**, Superintendent of Physical Plant.
B.S. (1926), Kansas State. At Oregon since 1947.
- LEAVITT OLDS 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.
- 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 BARTON 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.
- FRANK ALLEN ZAZULA, B.S.**, Instructor in Physical Education; Football Back-field Coach.
B.S. (1940), Akron. At Oregon since 1947.

CHARLES FREDERICK ZIEBARTH, M.A., Associate Professor of Business Administration.

B.A. (1931), M.A. (1932), Washington State. At Oregon since 1946.

LOIS IONE ZIMMERMAN, B.A., Instructor in Education; Supervisor of Commercial Studies, University High School.

B.A. (1928), Oregon. At Oregon since 1942.

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

GEORGE H. ALDER, B.A., Graduate and Research Assistant in Classical Languages.

ARLO D. ANDERSON, A.B., Graduate Assistant in Mathematics.

MARIJANE E. APPLING, B.S., Graduate Assistant in Sculpture.

ARTHUR D. BARRE, JR., A.B., Graduate Assistant in Political Science.

D. LU S. BARTHOLOICK, B.S., Graduate Assistant in Architecture.

RUTH HILL BEACON, B.A., Associate in Education.

JACK L. BILLINGS, B.S., Graduate Assistant in Journalism.

CLARA BLAIS, B.A., Associate in Education.

NORMAN BRADLEY, B.S., Graduate Assistant in Economics.

HAROLD O. BREVIG, B.S., Graduate Assistant in Business Administration.

LOUISE H. BROWN, A.B., Graduate Assistant in Psychology.

KERNAL BUHLER, B.S., Associate in Education.

ALAN BUTTON, B.S., Graduate Assistant in Psychology.

***JACK H. CAIRNS, B.S.**, Graduate Assistant in Chemistry.

ROBERT W. CAMPBELL, B.S., Graduate Assistant in Anthropology.

WINIFRED L. CASTERLINE, B.A., Graduate Assistant in English.

DAVID L. CHRYSLER, B.S., Graduate Assistant in Anthropology.

JOHN I. CHURCH, B.A., Graduate Assistant in English.

CECIL K. CLAYCOMB, B.S., Graduate Assistant in Chemistry.

EUGENE DUANE CLAYTON, B.A., Graduate Assistant in Physics.

†**HELEN SELFRIDGE CLUCAS, B.A.**, Graduate Assistant in Mathematics.

JOSEPH C. COLISTRO, B.A., Graduate Assistant in Biology.

ROBERT M. COX, B.A., Graduate Assistant in Chemistry.

WILLIAM F. CRAIG, B.S., Graduate Assistant in History.

RUTH HELEN CRYMES, B.A., Graduate Assistant in English.

MILDRED DART, B.A., Associate in Education.

HILLIS E. DAVIDSON, B.A., Graduate Assistant in History.

***EUGENE E. DE BRA, B.S.**, Graduate Assistant in Biology.

PAUL DELAHAY, M.A., Research Associate in Chemistry.

MABEL DE VOS, B.S., Associate in Education.

CLARENCE DIEBEL, M.A., Associate in Education.

* Resigned Dec. 31, 1947.

† Resigned Mar. 2, 1948.

DOUGLAS JAMES DONAHUE, B.S., Graduate Assistant in Physics.
MARYANN T. DOYLE, B.A., Graduate Assistant in Anthropology.
CONSTANCE W. EDMISTER, M.A., Graduate Assistant in Mathematics.
RUTH EHRLICH, B.S., Associate in Education.
*WILLIAM J. FINDLAY, B.S., Graduate Assistant in Chemistry.
OREN FREERKSEN, B.S., Associate in Education.
BRUCE B. FRYE, B.S., Graduate Assistant in History.
J. CLAIRE GIBSON, B.S., Associate in Education.
WALTER M. GILBERT, B.A., Graduate Assistant in Mathematics.
DORWIN K. GILLESPIE, B.A., Graduate Assistant in Biology.
EDNA GLINES, B.S., Associate in Education.
EDGAR GOODNOUGH, M.A., Associate in Education.
NORMA E. GRANSTROM, B.A., Graduate Assistant in Sociology.
MARIE GROVES, B.A., Associate in Education.
GEORGE HALL, M.A., Graduate Fellow in Education.
ROBERT HANRAHAN, B.S., Graduate Assistant in Art.
*HAZEL L. HARNBERGER, A.B., Graduate Assistant in Geology and Geography.
RUSSELL HARRISON, M.A., Associate in Education.
RUSSELL HENDRICKS, B.A., Associate in Education.
†EMERSON E. HOOGSTRAAT, B.S., Graduate Assistant in Economics.
VERL HOOVER, B.S., Associate in Education.
EVELYN E. HUDSON, B.S., Graduate Assistant in Physical Education.
HELEN HUGHES, B.A., Associate in Education.
GILBERT J. HUNT, M.A., Research Assistant in Chemistry.
ELGEON L. JOHNSON, B.S., Graduate Assistant in Physics.
WILLIAM JOHNSON, M.S., Associate in Education.
PAUL JOHNSTON, B.S., Associate in Education.
BESSIE KAMARAD, B.S., Associate in Education.
KENNETH KIENZLE, B.A., Associate in Education.
DAISY KING, B.A., Graduate Assistant in Sociology.
HERMIE KROEGER, B.S., Graduate Assistant in Physical Education.
HENRY KUCHERA, M.S., Associate in Education.
JOSEPH B. KYLE, B.A., Graduate Assistant in History.
THELMA LANDES, M.A., Associate in Education.
PAUL L. LANSDOWNE, B.S., Graduate Assistant in Business Administration.
RICHARD H. LAWSON, B.A., Graduate Assistant in Germanic Languages.
HELEN LETTOW, B.A., Associate in Education.
JAMES V. LILL, B.A., Graduate Assistant in English.
PETER F. LINDE, B.A., Graduate Assistant in Chemistry.
CURTIS K. LINK, B.S., Graduate Assistant in Mathematics.
WILLIAM E. LOTZ, JR., B.S., Graduate Assistant in Physics.
†MARGARET LUBBES, B.A., Graduate Assistant in English.
ROBERT LYON, M.A., Associate in Education.

* Resigned Mar. 20, 1948.

† Resigned Dec. 31, 1947.

MARY MALLERY, M.B.A., Associate in Education.
ROBERT G. MARGETSON, A.B., Graduate Assistant in Chemistry.
MARY MATTLEY, M.A., Associate in Education.
RUTH OLGA MATTUS, B.A., Graduate Assistant in Biology.
HELEN D. McCANN, B.A., Graduate Assistant in Biology.
MABEL E. McCLAIN, B.A., B.S., Research Associate Emeritus in History.
JOHN MERRITT McGEE, Ph.D., Research Associate in Chemistry.
NITA M. McGUIRE, B.A., Graduate Assistant in Romance Languages.
DUANE MELLE, M.A., Associate in Education.
WILLIAM E. MOXLEY, JR., B.A., Graduate Assistant in Romance Languages.
*ALLEN MURPHY, B.A., Research Assistant in Anthropology.
ELWIN L. MYRICK, B.S., B.M., Graduate Assistant in Music.
EARL BEN NEHER, JR., B.S., Graduate Assistant in Physics.
HOWARD C. NIELSON, B.S., Graduate Assistant in Mathematics.
LOUISE NIMMO, B.S., Associate in Education.
DOROTHY A. OUTZS, B.S., Graduate Assistant in Physical Education.
RAYMOND C. PAPE, B.S., Graduate Assistant in Business Administration.
RONALD S. PAUL, B.S., Research Assistant in Physics.
BETTIE MAE PAYNE, B.A., Research Assistant in Romance Languages.
PAULINE PEARCE, B.S., Associate in Education.
GEORGE R. PEDERSON, B.S., Graduate Assistant in Political Science.
MAURICE J. PHIPPS, B.S., Graduate Assistant in Psychology.
LANCASTER POLLARD, B.A., Research Associate in History.
DANIEL O. POTTER, B.S., Graduate Assistant in Political Science.
HELEN JEAN POULTON, M.A., Graduate Assistant in History.
WALLACE PRENTICE, B.A., Associate in Education.
LUELLE E. PRESCOTT, B.A., Graduate Assistant in English.
CARL PRIDE, B.S., Graduate Assistant in Mathematics.
†RUBY F. RAMEY, B.S., Graduate Assistant in Biology.
HARRY M. RHORER, JR., B.A., Graduate Assistant in Economics.
FAYE D. RICHARDS, B.A., Graduate Assistant in Economics.
ALBERT EUGENE ROBERTS, B.S., Graduate Assistant in Geology and Geography.
MARGIE C. ROBINSON, B.A., Graduate Assistant in Psychology.
SHIRLEY ANN RUBINSTEIN, B.A., Graduate Assistant in Mathematics.
CECIL E. SANFORD, B.S., Graduate Assistant in Physics.
MARY JEAN SARGENT, B.S., Graduate Assistant in Psychology.
CHARLES L. SAUVIE, B.A., Graduate Assistant in Economics.
LESTER J. SCHLANGEN, B.A., Graduate Assistant in Journalism.
WHITNEY G. SCOBERT, M.S., Teaching Fellow in Mathematics.
PAUL SCRANTON, M.S., Associate in Education.
GERTRUDE SEARS, M.S., Associate in Education.
ROBERT FRANKLIN SHELLEY, B.A., Graduate Assistant in English.

* Field work in Micronesia, 1947-48.

† Resigned Mar. 20, 1948.

PETER R. SHERMAN, B.S., Graduate Assistant in Mathematics.
STANLEY S. SPAID, B.A., Teaching Fellow in History.
MABEL M. STEPHENS, B.A., Graduate Assistant in Romance Languages.
KWANG MOU TAI, M.S., Research Assistant in Chemistry.
TRUMAN E. TEETER, B.S., Graduate Assistant in Chemistry.
ROBERT KEDZIE THOMAS, B.A., Graduate Assistant in English.
JEAN THORSTAD, B.A., Graduate Assistant in Romance Languages.
LIN TSAI, B.S., Research Assistant in Chemistry.
RICHARD G. ULREY, B.A., Graduate Assistant in Sociology.
GLORIA S. VANBROCKLIN, B.A., Graduate Assistant in Biology.
MARY L. WASMANN, B.A., Graduate Assistant in Sociology.
HOWARD WEDDLE, B.S., Associate in Education.
*WILLIAM E. WHITE, B.S., Graduate Assistant in Chemistry.
J. ALAN WICKHAM, B.S., Associate in Education.
CLIFTON C. WILCOX, B.A., Research Assistant in Psychology.
MARIE WILLIS, B.S., Associate in Education.
VEOLA WILMOT, M.A., Associate in Education.
MARJORIE S. WILSON, B.A., Associate in Education.
LUCILE WIRTH, B.A., Graduate Assistant in Architecture.
ROSS P. WITHER, B.S., Graduate Assistant in Chemistry.
JOSEPHINE WOLFE, M.A., Associate in Education.
FLOYD W. WOOD, B.S., Graduate Assistant in Physics.
MARSHALL S. WRIGHT, B.A., Graduate Assistant in Chemistry.
JOHN YOUNG, B.S., Associate in Education.
RONALD W. ZAHLER, B.S., Graduate Assistant in Physics.
ELAINE P. ZINKER, A.B., Graduate Assistant in Chemistry.

* Resigned Mar. 20, 1948.

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 at 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 first opened its doors 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 Admin-

istration 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 by an act of the Legislature which accepted the gift of the property of the North Pacific College of Oregon and made the college a school of the University (the college was founded in 1898 as the Oregon College of Dentistry).

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 sciences. 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 Lucien Campbell, 1902-1925; Arnold Bennett Hall, 1926-1932; Clarence Valentine Boyer, 1934-1938; Donald Milton Erb, 1938-43; Orlando John Hollis, acting president 1944-45; 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 University of Oregon is located at Eugene (population 30,000), 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 University campus occupies about 130 acres of land in the east part of Eugene on the Pacific Highway. On the north campus are located the older buildings: Deady, Villard, McClure, Friendly, Fenton, and a few of the newer buildings, including Oregon, Commerce, Journalism, and Art and Architecture. On the south campus are newer buildings, including the Administration Building or Johnson Hall, Condon Hall, Chapman Hall, the education group, the Music Building, the women's quadrangle, the Museum or Art, and the University Library. Southeast of this section of the campus is the John Straub Memorial Building (a dormitory for men), the Physical Education Building, McArthur Court (student athletic center), and the R.O.T.C. Barracks. Northeast are the Student Health Service and Emerald Hall, which houses administrative and student counseling offices.

During the past three years, 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 group; 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 University of Oregon Library, erected in 1937, stands at the head of the new quadrangle on the west side of the campus. On the main floor are the Circulation Lobby, the Reference Room, the Catalog Room, the Adelaide Church Memorial Reading Room, reserve reading rooms, and offices. On the second floor are the Periodical Room and the Map Room. The Douglass Room, studies for faculty members engaged in research, and special-collection rooms are on the third floor. The Newspaper Room, newspaper stacks, and the Audio-Visual Department are located in the basement. The reading rooms seat 700 readers and are carefully planned for reading comfort and efficiency. The modern fireproof stacks will shelve 400,000 books.

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 Laurean 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 collections in the central Library building, the University maintains a number of specialized libraries; the holdings of the several libraries are shown in the following table (figures followed by an asterisk are estimates):

General Library	336,985
Law Library	34,388
Art and Architecture Library	2,936
Municipal Reference Library	9,000*
Curriculum Laboratory Library	16,960*
Educational Research Bureau Collection	900*
Museum of Art Library	5,250
University High School Library	6,355
Dental School Library (Portland)	4,772
Medical School Library (Portland)	42,558
Total	460,104

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; the Oregon collection of 6,300 books and pamphlets on Northwest history (the Library has, in addition 9,300 volumes of files of Oregon newspapers); a collection of Balzaciana; unusually extensive and complete files of psychological journals.

The Burgess Collection of Rare Book and Manuscripts is the gift of Miss Julia Burgess, late professor of English at the University, and of friends of the institution. It includes fifteen Latin manuscripts, a number of Near Eastern manuscripts, thirty-eight volumes of incunabula, and rare books of the seventeenth, eighteenth, and nineteenth centuries.

The Douglass Room, established through a bequest from the late Matthew Hale Douglass, former librarian of the University, contains collections of music scores, reference books in the field of music, and phonograph records in music and other fields. The room is equipped with twelve phonographs with earphone attachments for individual listening; a larger phonograph for group listening is available in a small adjacent room.

The Philip Brooks Memorial Library, a reference collection of standard sets of American and English authors, is housed in a special room on the third floor of the Library building. The Brooks Library was given to the University by Mrs. Lester Brooks, mother of the late Philip Brooks. Mrs. Brooks also provided funds for the construction of the room.

The Pauline Potter Homer Collection of Beautiful Books is a "browsing" collection, which includes fine editions, illustrated books, books with fine bindings, and examples of the work of famous presses. The collection is located in the Adelaide Church Memorial Reading Room.

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, and 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 drawn out 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 borrowed from the Circulation Department.

(2) Books needed for use in the Library are subject to recall at any time. A maximum fine of \$1.00 per day may be imposed for failure to return promptly.

(3) The following fines are charged for violation of the rules of the Reserve Department: (a) for overdue books, a regular fine of 25 cents for the first hour and 5 cents for each succeeding hour, or fraction thereof, until the book is returned or reported lost (a maximum charge of \$1.00 per hour may be made in cases of flagrant violation of the rules); (b) for failure to recheck books at stated times, a fine of 25 cents; (c) for failure to return books to proper department desk, a fine of 25 cents.

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

(5) If a book, which has been reported lost and has been paid for, is returned within one year, refund will be made after deduction of the accumulated fines, plus 5 per cent of the list price of the book for each month it was missing from the Library.

(6) The regular rental rate for books in the special rental collection is 2 cents per day; books for which there is less demand rent for 10 cents per week.

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 collection 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.

A combined author list of all books and periodicals in the State System is maintained in the central office to facilitate a better distribution of the book stock and to eliminate unnecessary duplication of published material. 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 Natural History in Condon Hall. Student art work and loan exhibitions are shown in the Art Gallery in the Art and Architecture Building.

Museum of Art

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

The Museum of Art Building, the first unit of which 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 Murray Warner Collection of Oriental Art, 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 museum 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 consists of a large collection of old prints, brocades, temple hangings and altar cloths, embroideries, a collection of beautiful 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, wood-block 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.....	Assistant Curator of Anthropology
D. S. DAVIDSON, Ph.D.....	Assistant Curator of Anthropology
R. R. HUESTIS, Ph.D.....	Curator of Vertebrate Collections
I. M. NEWELL, Ph.D.....	Curator of Invertebrate Collections
W. D. SMITH, Ph.D.....	Curator of Geology
LEROY DETLING, Ph.D.....	Curator of Herbarium
J. A. SHOTWELL, B. S.....	Preparator

The Museum of Natural History of the University of Oregon consists of five divisions: Anthropology, Botany, Geology, Paleontology, 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: interesting and valuable material from the John Day fossil beds in central Oregon; fine display collections of minerals arranged according to the Dana classifications; 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 Mrs. D. P. Thompson Collection of fine Pacific Northwest and California baskets, presented by Mrs. Genevieve Thompson Smith; and the Van de Velde Collection of Congolese iron and wood artifacts and musical instruments.

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 the state 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 an excellent collection of 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 uncataloged.

Official Publications

OFFICIAL publications include those issued directly by the State Board of Higher Education and various institutional publications issued by the University of Oregon. The legislative act placing all the 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." All publications of the State System are issued under the editorial supervision of the Division of Information of the System, through the central offices of the division or through institutional offices.

System Publications

Announcements emanating directly from the Board are published in a **BULLETIN** and in a **LEAFLET SERIES**.

The Bulletin of the Oregon State System of Higher Education, issued monthly, includes announcements of curricula, the annual catalogs, information for students, and official reports.

The Leaflet Series of the State System of Higher Education, issued semi-monthly, includes special announcements to prospective students and to the general public.

University Publications

All scholarly and research publications issued by the University are under the general supervision of the University Publications Committee. A catalog of University research publications will be furnished on request.

University of Oregon Monographs. Research studies published by the University appear in a series known as **UNIVERSITY OF OREGON MONOGRAPHS**. Manuscripts are selected by the Publications Committee.

Comparative Literature. The first issue of **COMPARATIVE LITERATURE**, a quarterly journal, published by the University of Oregon in cooperation with the Comparative Literature Section of the Modern Language Association of America, will appear early in 1949.

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.

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.

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

IN ORDER to be admitted to the University a student must be of good moral character and must present evidence of acceptable preparation for work at the college level. The development of character is regarded as a primary aim in education and is emphasized at all the Oregon state institutions of higher education.

Every person applying for admission to the regular sessions of the University must file with the University Registrar: (1) a formal application on an official application form; (2) complete records of all school work beyond the eighth grade; and (3) a statement that he is or is not a resident of Oregon.

Copies of the application form may be obtained on request to the Registrar. In requesting the form, the applicant should specify whether he will enroll as a freshman, transfer student, special student, or graduate student. A person applying for admission with freshman standing may use a combined application and record form, copies of which may be obtained from high-school principals or from the University Registrar.

High-school records must be certified by the principal or superintendent of the applicant's school; college records must be certified by the registrar of the college attended by the applicant. An applicant for admission with advanced or graduate standing need not submit separate high-school records if this information is included on his college transcript. Veterans of World War II who participated in specialized training programs conducted on college campuses must submit records of work done in these programs.

All records submitted become the property of the University; for failure to submit complete records, the University may cancel the student's registration.

Admission to Freshman Standing

Graduation from a standard high school is required for admission to freshman standing. Graduation from a standard high school in Oregon involves the completion of 16 units, 8 of which are required as follows: 3 units in English; 2 units in social science, comprising the state-adopted courses in United States history-civics and socio-economic problem; 1 unit in health and physical education; and 2 units selected from the field of natural science and mathematics or the field of foreign language. Two units in either natural science or mathematics or 1 unit in each of these subjects is acceptable, but a minimum of 2 units in a single language is required if a foreign language is selected. Graduates from standard out-of-state high schools are required to present substantially the same distribution of units.

Residents of the state of Oregon who are graduates of standard high schools or standard preparatory schools, and who have not previously attended any college or university, will be admitted to the University when their applications are filed and their credentials are complete. In the University they will be afforded the opportunity to demonstrate their ability to pursue higher education.

Because the University recognizes that its primary responsibility is to residents of the state, it cannot extend to all nonresident high-school graduates the same opportunity to demonstrate their ability by actual University work. Accordingly, only those nonresident high-school graduates for whom the University can predict reasonably certain success in higher education will be admitted. In practice,

this restricts the admission of nonresident high-school graduates who have had no college work to those who meet one or more of the conditions outlined below:

(1) Graduation from high school in the upper half of the student's graduating class.

(2) A decile rank of 5 or above under the University's system of rating high-school scholastic performance.*

(3) A decile rank of 5 or above on a score earned in the Ohio Psychological Examination, the American Council on Education Psychological Examination (College Level), or the College Entrance Board Examinations.

Admission of Transfer Students

Transfer students are defined as those who present records of any registration whatsoever in other institutions of collegiate grade or in departments or centers of any university extension division, 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 from other institutions to the University with regular standing present records of C average scholastic work and honorable dismissal. Transfer students (including transfer students from nonaccredited institutions) who present fewer than 12 term hours of collegiate credit must also meet the requirements set for high-school graduates entering as freshmen.

The amount of transfer 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, a student may petition for credit for courses taken in such institutions. Credit will be granted only for courses which are the equivalent of work regularly offered by the University. Examinations may be required by the department concerned before credit is granted.

Admission of Special Students

In general, special students are those not qualified for admission as regular students but qualified by maturity and ability to do satisfactory University work.

Admission to special-student status is granted to those who present evidence, based on standardized tests and other credentials, that they can maintain a "satisfactory" scholarship average. Such admission requires the joint approval of the Registrar and the dean of the college or school in which the applicant wishes to study.

A special student may petition for regular standing when he has made up entrance deficiencies or has completed at least 45 term hours in the University with satisfactory grades; however, such a student will not be eligible for a degree until he has completed 45 term hours of work as a regular student. Except by permission of his dean no student may continue to be classified as a special student after he has earned 45 term hours in the University of Oregon. In case a regular student changes to special status, work done while classified as a special student will not count toward a degree.

* The University's "Prep Decile" rating of students is derived from the number of A grades (or equivalent) plus a weighted percentage of B grades (or equivalent) earned. It is not based on an average of all grades earned.

Admission with Graduate Standing

Graduates of accredited colleges and universities are admitted to graduate classification on presentation of an official transcript of their undergraduate work. But admission to candidacy for an advanced degree is determined only after a qualifying examination, given when a student has completed not more than one-third of the work for the degree.

Before admission to graduate classification, a graduate of a nonaccredited institution must complete at least one term of satisfactory work as a special (unclassified) student in the University. He may then petition for graduate credit for courses which he has completed acceptably while registered as a special student.

Entrance Examinations

TO provide the faculty with a basis for reliable advice and assistance to students planning their University programs, the University requires entering undergraduates to take placement and physical examinations. The placement 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 (Rht K).

The physical examination, which is given by a physician chosen by the student, 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. The examination also provides a scientific basis for the adjustment of the student's physical-education program to his individual needs.

Degrees and Certificates

THE University offers curricula leading to certificates and to baccalaureate and graduate degrees. If changes are made in the requirements for degrees or certificates, 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 or certificate. 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.*

Journalism, *B.A., B.S., B.J., 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 *Master of Arts in General Studies* and *Master of Science in General Studies* is offered under the direction of the Graduate School.

Lower-division work leading to certificates (*Junior Certificate, Junior Certificate with Honors Privileges, Lower-Division Certificate*) is offered in liberal arts and sciences, and in architecture and allied arts, business administration, health and physical education, law, and music. Approved preparation is offered for the degree curricula in medicine, dentistry, and nursing education.

Requirements for Certificates

The *Junior Certificate* admits to upper-division standing and the opportunity to pursue a major curriculum leading to a degree.* A student is expected to fulfill the requirements for the *Junior Certificate* during his first two years at the University. The requirements are as follows:

- (1) Term Hours: Minimum, 93.
- (2) Grade-Point Average: Minimum, 2.00.
- (3) English:
 - (a) Freshmen who receive low ratings in a placement examination given to entering students must take and pass the course designated *Corrective English (RhtK)*.
 - (b) English Composition: 9 term hours unless excused. A student whose work meets the standard aimed at may, with the consent of the head of the Department of English, be excused from further required written English at the end of any term.
- (4) Physical Education: 5 terms in activity courses, unless excused.† A student who has completed four terms of physical education with a grade of C or above, and who has satisfied all requirements, may, with the consent of the dean of the School of Health and Physical Education, be excused from further work in this field.
- (5) Military Science: 6 terms for men, unless excused.‡
- (6) Health Education: PE 150 for men; PE 114, 115, 116 for women (PE 250 will satisfy the requirement for men or women).‡
- (7) 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 that satisfy the group requirement are numbered from 100 to 110 and 200 to 210. The group requirement is as follows:

* A student who transfers to the University after completing the equivalent of the requirements for the *Junior Certificate* at another institution may be admitted to upper-division standing without the formal granting of the *Junior Certificate*.

† Veterans of World War II, on filing evidence of military service, are granted credit for instruction in military science and in health and physical education received in the armed services, and are exempt from required work in these fields.

‡ For a classified list of courses satisfying the group requirement, see pages 82-83. To satisfy the science group requirement, a sequence must either include laboratory work or carry 12 hours of credit.

- (a) For majors in the College of Liberal Arts—At least 9 approved term hours in each of the three groups and at least 9 additional approved term hours in courses numbered 200-210 in any one of the three groups.
- (b) For majors in the professional schools—At least 9 approved term hours in each of two of the three groups.*

The Junior Certificate with Honors Privileges admits to upper-division standing and permits the student to work for a bachelor's degree with honors in the schools and departments providing an honors program. For this certificate the student must have a grade-point average of at least 2.75, in addition to fulfilling all the requirements for the Junior Certificate.

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

Certificates in Nursing Education. The University awards the following certificates to students who complete work of the advanced curricula in nursing specialties offered by the Department of Nursing Education of the University of Oregon Medical School: Certificate in Public Health Nursing, Certificate in Ward Administration, Certificate in Teaching and Supervision, Certificate in Teaching Nursing Arts.

Requirements for Degrees

The Bachelor's Degree. When a student has fulfilled all the requirements for a Junior Certificate, he is classified as an upper-division student and may become a candidate for a bachelor's degree in the college or school of his choice. The requirements for a bachelor's degree (including both lower- and upper-division work) are as follows:

- (1) Term Hours: Minimum, 186 including:
 - (a) Hours in upper-division courses: Minimum for students majoring in the College of Liberal Arts, 62; for students in professional schools, 45.
 - (b) Hours in the major: Minimum, 36, including at least 24 in upper-division courses.
 - (c) Hours after receipt of Junior Certificate: Minimum, 45.
- (2) Distribution of hours for different bachelor's degrees:
 - (a) Bachelor of Arts: 36 hours in language and literature,† including

* Students intending to major in education or journalism are classified as liberal-arts students during their lower-division years, and must complete the group requirement stated under (a) above.

† 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.

two years (normally 24 term hours) of college work in a foreign language.

- (b) Bachelor of Science: 36 hours in science or in social science.*
- (c) Professional bachelor's degree: Fulfillment of all major requirements.
- (3) Grade-Point Average: Minimum, 2.00.
- (4) Residence: Minimum, 45 term hours (normally the last 45).
- (5) Dean's recommendation, certifying fulfillment of all requirements of major department or school.
- (6) Restrictions:
 - (a) Correspondence Study: Maximum, 60 hours.
 - (b) Dentistry, Law, Medicine: Maximum, 48 term hours toward any degree other than a professional degree.
 - (c) 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 term hours must be taken in Mus 390 during the junior and senior years.
 - (d) No-Grade Courses: At least 150 term hours in grade courses. See page 58.

The 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, thorough 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 have received the Junior Certificate with Honors Privileges are automatically eligible for honors work. Other students who have been admitted to junior standing must, to be admitted to honors work, obtain the approval 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 honors 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. But 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.

* See note (f), page 54.

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 two 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 sessions supplement 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 Freshman Week (see page 63). 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 the 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 groups.
- 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 acceptable 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 grade points.

Grades. The grading system consists of: four passing grades, A, B, C, D; failure, F; incomplete, Inc; withdrawn, W. The grade of A denotes exceptional accomplishment; B, superior; C, average; D, inferior. Students ordinarily receive one of the four passing grades or F. 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.

Points. Grade points are computed on the basis of 4 points for each term hour of A grade, 3 points for each term hour of B, 2 points for each term hour of C, 1 point for each term hour of D, and 0 points for each term hour of F. Marks of Inc and W are disregarded in the computation of points. The grade-point average (GPA) is the quotient of total points divided by total term hours in which grades

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

(A, B, C, D, and F) are received. The grade-point average which is used as a standard of acceptable scholarship and as a requirement for graduation is computed on all work for which the student receives a grade.

No-Grade Courses. Certain University courses are designated "no-grade" courses. Students in these courses are rated simply "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 drop a student from 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.

(1) A term grade-point average below 2.00 is considered unsatisfactory, and automatically brings the student's scholastic record under review by the Scholarship Committee.

(2) A cumulative grade-point average below 1.75 or a continued failure to achieve a 2.00 GPA establishes a probable case for disqualification for enrollment in the University.

The scholarship requirements for participation in student extracurricular activities are printed on pages 76-77.

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.

The institution reserves the right to change the schedule of tuition and fees without notice.

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 and advice 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

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

year, as follows: tuition, \$10.00; laboratory and course fee, \$12.00; 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 \$42.50 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 \$92.50 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.....	12.00	36.00
Incidental fee.....	15.50	46.50
Building fee.....	5.00	15.00
Total for Oregon residents.....	\$ 42.50	\$127.50
Total for nonresidents (who pay an additional nonresident fee of \$50.00 per term).....	92.50	277.50

Graduate Students. The regular fees and tuition for graduate students total \$39.00 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.

Special Fees

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

Matriculation Fee\$5.00

Students registering in the University of Oregon for the first time pay a matriculation fee of \$5.00. This fee is not refundable.

Part-Time Fee per term, \$12.50 to \$28.50

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, \$12.50; 3 term hours, \$16.50; 4 term hours, \$20.50; 5 term hours, \$24.50; 6 term hours, \$28.50. 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.

* Except special fees for instruction in applied music. See **SCHOOL OF MUSIC**. Undergraduate students registering in the University for the first time pay a matriculation fee. See **SPECIAL FEES**.

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. 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	\$1.00 to \$5.00
Students registering after the scheduled registration dates of any term pay a late-registration fee of \$1.00 for the first day and \$1.00 for each additional day until a maximum charge of \$5.00 is reached. Part-time students and auditors (see above) 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 an examination fee of \$10.00.	
Transcript Fee	\$1.00
This fee is charged for each transcript of credits issued after the first, which is issued free of charge.	
Degree Fee	\$6.50
The degree fee is paid for each degree taken. No person may be recommended for a degree until he has paid all fees and charges due the institution, including the degree fee.	
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 defined a nonresident student as a person who comes into Oregon from another state for the purpose of attending one of the institutions under the control of the Board.

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

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

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 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-Correction and Hearing Clinic. The Speech-Correction 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 the 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, in close coordination with the Office of Student Affairs. This service supplements but does not take the place of the regular advising and counseling agencies in the University.

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 66); (2) the Teacher Placement Service, for the placement of graduates in teaching and administrative positions in the public schools (see SCHOOL OF 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 education and personality, 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 creden-

tials 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.

Freshman Week

FRESHMAN WEEK, a program of orientation for entering undergraduate students, is held annually the week before classes begin. During Freshman Week 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 Freshman Week and registration procedure are sent to each new student who is accepted for admission.

The examinations and tests given entering students during Freshman 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. "Rushing" is completed and fraternity and sorority selections made during the "Rush Period" which immediately precedes Freshman Week.

A WELCOME BOOK, sent to new students after they have been admitted to the University, gives information of importance to all entering students.

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 1,310 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 accommodates 272 students. Each hall has its own club rooms. Each room is equipped with individual study tables, study chairs, waste-paper baskets, a lounge chair, draperies, individual dressers, a steel costumer, and individual closet space. Each room has running hot and cold water and a medicine cabinet with mirror. Sleeping porches, each accommodating four men, are equipped with single beds.

Housing for 752 veteran students 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. 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.

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

Women's Dormitories. The University maintains two dormitories for women, Hendricks Hall and Susan Campbell Hall. The two halls are built on a similar plan. Each accommodates 112 women, in three units of approximately nine suites each. No single rooms are available. A suite consists of a study room, dressing room, and sleeping porch with individual beds. Each floor of each unit has a bathroom equipped with showers, tubs, and lavatories. Each study room is furnished with a study table, bookstand, four chairs, and a couch. Each dressing room is equipped with hot and cold water, individual chiffoniers with mirrors, and individual closet space. In the basement are trunk-storage space and complete laundry equipment, including electric washers, stationary tubs, boilers, clotheslines, ironing boards, and electric irons.

Dormitory accommodations are also provided for 26 women in Mary Spiller Hall, adjacent to Hendricks Hall, and for 36 women in quarters on the third floor of Gerlinger Hall.

A new dormitory, which will house 333 women students, is under construction east of the campus.

Each woman residing in the halls must supply her own towels, a water glass, and an extra blanket.

University Dining Halls. The University maintains three dining halls for students. The dining hall in the John Straub Memorial Building serves the dormitory units in the building and women living in Susan Campbell Hall. Hendricks Hall has its own dining room. A large cafeteria housed in a separate building between the two veterans dormitories provides meals for students living in these

dormitories. Both the Straub dining hall and the veterans-dormitory cafeteria are open to all University students who wish campus dining service, at monthly or by-the-meal rates.

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. The regular rates for rooms in the University dormitories are: multiple-occupancy units, per person, \$50.00 a term; single rooms, \$75.00 a term. The rates for rooms in the two veterans dormitories are: multiple-occupancy units, per person, \$42.00 a term; single rooms, \$54.00 a term. The rate for board in all University dining halls is \$45.00 a month.

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. The dates on which second installments are due during 1948-49 are: fall term, November 5; winter term, February 5; spring term, May 5. 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 Fund. 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 a student cancels his dormitory reservation, the deposit will be refunded only if the cancellation is made two weeks before the opening of the term for which he has made reservation.

Housing for Married Veterans. Housing for married veteran 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 \$18.50 to \$43.00 per month. Rentals between \$18.50 and \$26.00 are available only to veterans with low family incomes, who can qualify for the distressed-rent schedule of the Federal Public Housing Administration. The number of family units available is far 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 Veterans Family Housing, University Business Office.

Rooms in Private Homes. Rooms can be obtained in private homes or rooming houses at rates ranging between \$15.00 and \$30.00 a month, depending on accommodations and service. The average rate is about \$20.00 a month. The

Housing Secretary exercises general supervision over off-campus student living quarters and endeavors to see that students have comfortable rooms and wholesome living conditions.

Housing Regulations. All lower-division men and all undergraduate women not living with relatives in Eugene must live in the halls of residence or in houses maintained by the organized University living groups, e.g., fraternities, sororities, independent groups. Exceptions to this rule are made only on a showing of convincing reasons, of health, financial necessity, or other special circumstances, and are granted for only one term at a time. Self-supporting students working for room and board or "batching" have no difficulty in obtaining permission to live outside organized living groups, provided their economies do not interfere with proper living conditions or profitable University work.

Unmarried undergraduate students are not allowed to live in apartment houses, bungalow courts, hotels, or separate houses.

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

Students living in the dormitories may move to fraternity or sorority houses or to other quarters at the end of any term.

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.

Item	Fall term	Year
Institutional fees.....	\$42.50	\$127.50
Books, supplies, etc.....	20.00	45.00
Board and room.....	186.00	503.00
Incidentals.....	25.00	75.00
Total	\$273.50	\$750.50

NOTE: This table does not include the matriculation fee of \$5.00 paid by undergraduate students registering for the first time or institutional deposits which are returned to the student at the end of the school year.

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 at 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. The privileges of the Health Service are not available to members of the faculty.

The Student Health Service occupies a \$125,000 building. The first floor of the building contains 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 four physicians and eleven registered nurses, one of whom is a registered X-ray and 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 undergraduate 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 \$175,000. 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 funds 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 from these funds may be 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. Applications for loans are made through the Office of Student Affairs.

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 will be made by the trustees of the Grand Lodge upon the recommendation of the president of the institution which the student is attending and the approval of the worthy matron and worthy patron of the chapter of the Order of Eastern Star in the city where the institution of learning is located.

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. Applications for loans are made through the Office of Student Affairs.

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 25 cents for all loans up to \$10.00 and 50 cents for all loans over \$10.00. 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.

Amount of Loans. Rarely is more than \$300 lent to any individual student. This is considered the maximum amount available from the University loan funds to a single borrower. Some other loan funds available to University students permit larger loans.

Period of Loans. 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.

Security for Regular Loans. 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.

Security for Emergency Loans. Emergency loans are granted for short periods of time, usually from one to thirty days; a few loans are made for sixty days. The signature of the borrower is the only security required for an emergency loan.

Personal Qualities. In considering applications, these personal qualities of the student weigh heavily in the minds of the members of the Student Loan Committee: (1) scholastic record; (2) reputation for reliability, honesty, and industry; (3) need for aid and probability of wise expenditure; (4) amount of present indebtedness; (5) ability to repay; (6) effort which the student has made to assist himself.

Medical School and Dental School Students. 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

A NUMBER of 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.

State Scholarships. A limited number of state scholarships are awarded annually to students of the institutions of the Oregon State System of Higher Education. These scholarships cover tuition and laboratory and course fees (a total of \$22 a term or \$66 a year for a student attending the University). Recipients of scholarships must, however, pay the matriculation fee, 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. Application should be made on official blanks to the University Registrar. Applications must be filed by April 1.

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 \$72 a term or \$216 a year at the University). Application for scholarships by foreign students wishing to attend the University of Oregon should be made to the University Registrar not later than April 1.

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

American Association of University Women Graduate Fellowship. Every two years the Oregon division of the American Association of University Women awards a \$1,500 scholarship to a woman who is a resident of Oregon, and who holds at least a bachelor's degree, for advanced study at an American or foreign university.

Associated Students Scholarships. The Associated Students of the University of Oregon award \$75 scholarships each year to the freshman man and woman who achieve the highest cumulative grade-point average for the fall and winter terms.

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

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.

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, who select the scholars annually after a qualifying examination held in Lake County.

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.

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 Scholarship. An endowment for this scholarship is being established by the University of Oregon Dads. No award will be made for 1948-49.

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.

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, health, 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 \$200 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. 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. Application should be made to Karl W. Onthank, associate director of student affairs, not later than April 1.

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.

Ellen M. Pennell Scholarships. These scholarships, covering regular tuition 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 Theta Upsilon Scholarship. Phi Theta Upsilon, junior women's honorary, awards a \$75 scholarship each year to a woman student.

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 1948-49.)

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.

Small Loan Company Scholarship. A \$250 scholarship is awarded to a junior student of outstanding ability who is interested in the special study of consumer credit problems. Funds for the scholarship are provided by the Oregon Association of Small Loan Companies.

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.

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 the volumes of *American Jurisprudence* published to date.

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 1949 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 in regard to 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 \$100 for the best paper or papers submitted by a student or 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.

Chi Omega Scholarship Cup. This cup is awarded annually to the sorority with the highest grade average during the preceding academic year.

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

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.

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-around woman of the junior class.

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 of the Library. The award may be accompanied by a fee scholarship. The award and the scholarship are supported through a series of 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.

Walter Kidd Poetry Prize. The Walter Kidd Poetry Prize of \$15 is awarded for the best original poem submitted by a freshman or sophomore student. Information in regard to the rules governing the award may be obtained from the head of the Department of English. Funds for the prize have been provided by Walter Kidd, University graduate in the Class of '26.

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-around man of the junior class.

Lawyers Cooperative Prizes. The Lawyers Cooperative Publishing Com-

pany 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 bronze plaque displayed in the Commerce Building.

Marshall-Case-Haycox Prizes. Prizes totaling \$100 for the best short stories submitted by students are offered each year by Edison Marshall, ex-'17, Robert Ormond Case, '20, and Ernest J. Haycox, '23. Contestants are limited to undergraduates regularly enrolled and in good standing.

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 Alpha of Oregon chapter of Phi Beta Kappa. The award is made, on the basis of scholarship and promise, 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 general 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 Physical Education presents certificates each year in recognition of outstanding qualities of sound scholarship, high idealism, and worthy professional accomplishment in the field of physical education.

Pi Delta Phi Award. Pi Delta Phi, French honor 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 makes a \$50 award annually to the senior student in foreign trade who receives the highest rating from the University of Oregon Foreign Trade Advisory Board.

Pot and Quill Prize. A prize of \$5 is awarded by Pot and Quill, society of women writers, for the best piece of writing submitted by a woman student in an annual contest.

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 provides 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 students by Sigma Delta Chi, professional journalistic fraternity, through its national headquarters at Detroit.

Sigma Delta Pi Award. A medal and a book prize are awarded each year by the Oregon chapter of Sigma Delta Pi, honorary Spanish society, to the student in advanced courses in Spanish who has made 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 Editing. Awards totaling \$100 are given annually for the best editorial investigations by senior 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.

Van de Velde Language Awards. Two books 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 Eugene.

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 for scholarship among the living groups during the academic year.

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.

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; 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.

For purposes of administration, two distinct types of student activities are recognized: educational activities and athletic activities. Educational activities are administered by an Educational Activities Board, composed of faculty and student representatives, and by an educational activities manager. Athletic activities are administered by an athletic director.

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 the four years at the University and after graduation. Class reunions are held regularly by alumni. Graduating classes usually leave a gift to the University.

Clubs and Associations. Clubs and associations representing special student interests are active on the University campus. Some of these organizations are:

Allied Arts League; American Legion; American Red Cross, University branch; American Veterans Committee; Christian Student Fellowship (Christian Church); Bernard Daly Club (students holding Daly Scholarships); Hui-o-kamanna (students from Hawaii); Independent Students Association; International Relations Club; Law School Student Body Association; Newman Club (Catholic); One World Club; Phi Iota Phi (house librarians); Physical Education Club; Wesley Club (Methodist); Westminster Association (Presbyterian); Young Men's Christian Association; Young Women's Christian Association.

Honor Societies. A number of honor societies are maintained on the Oregon campus for the recognition of general scholarships, scholarship in particular fields, and student leadership. Most of these are national organizations, with chapters at the leading colleges and universities of the country. Among these societies are:

Phi Beta Kappa (liberal arts and sciences); Sigma Xi (science); Alpha Kappa Delta (sociology); Beta Gamma Sigma (business); Delta Sigma Rho (forensics); Druids (junior men); Friars (senior men); Kwama (sophomore women); Mortar Board (senior women); Order of the Coil (law); Phi Theta Upsilon (junior women); Scabbard and Blade (military, men); Skull and Dagger (sophomore men); Theta Sigma Phi (journalism, women).

Professional and Departmental Societies. Students societies are maintained in many of the schools and departments for the promotion of high standards of scholarship and professional training. Most of these are national organizations. Among these societies are:

Alpha Delta Sigma (advertising, men); Anthropology Club; Asklepiads (premedics); Beta Alpha Psi (accounting, men); Chemical Society; Condon Club (geology); Delta Phi Alpha (German); Gamma Alpha Chi (advertising, women); Mu Phi Epsilon (music, women); National Collegiate Players (drama); Phi Alpha Delta (law, men); Phi Beta (music and drama, women); Phi Chi Theta (business, women); Phi Delta Kappa (education, men); Phi Delta Phi (law, men); Phi Mu Alpha (music, men); Pi Delta Phi (French); Pi Lambda Theta (education, women); Pi Mu Epsilon (mathematics); Pot and Quill (writing, women); Propeller Club (foreign trade); Sigma Delta Chi (journalism, men); Sigma Delta Pi (Spanish); Sigma Upsilon (writing, men).

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 and Religious and Spiritual Activities committees of the faculty, the Educational Activities Board, Sigma Xi, and various schools and departments.

Forensics and Dramatics. Forensics and dramatics 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.

Training and experience in acting, play production, and stagecraft are provided by the Department of Speech. Each season several full-length plays are given in connection with courses in drama. The department also produces a series of plays for which students not registered in drama courses may try out. Plays are occasionally taken on tour. Various special groups also provide outlets for dramatic talent and opportunities for experience in play production.

The Associated Students, in cooperation with the Department of Speech, sponsor a public-discussion program for both men and women. Students participating in this program lead discussions of topics of current and vital interest on the campus and throughout the state at meetings arranged by high schools, civic organizations, churches, etc. The program includes thorough supervised research in preparation for these public appearances. Students also have excellent opportunities for radio experience through participation in broadcasts from the University studios of station KOAC and from Eugene stations.

Art and Music. The University gives special encouragement to extra-curricular 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.

Odeon, an exhibition and presentation of creative work by students, is an annual campus event. The scope of Odeon includes the visual arts, music, the dance, drama, and literature.

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 the 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 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 ten 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. The order of the "O," composed of all winners of varsity letters, and the Women's Athletic Association encourage sports participation and give recognition for proficiency.

Social Organizations. Personal associations with fellow students through social organizations and living groups constitute some of the most-pleasant features of campus life, and are very valuable for personal and social development. All students have opportunity to belong to some type of social organization.

Independent students (students who live outside the dormitories and are not members of fraternities or sororities) have two social organizations: the Oregon Yeomen (men) and Orides (women). The students living in each of the University halls of residence have a self-governing organization and a social program.

Four cooperative houses provide a congenial social life for their members; these houses are: for women, University House, Highland House, and Rebec house; for men, Campbell Club.

Fraternities on the Oregon campus are organized into the Interfraternity Council, which is a member of the national Intrafraternity Conference. The sororities on the campus are organized into the Panhellenic Council, which is a member of the national Panhellenic Congress. The presidents of all women's living groups (including dormitories) are members of the Heads of Houses Association.

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, and 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 Phi, Phi Kappa Psi, Phi Kappa Sigma, Phi Sigma Kappa, Pi Kappa Alpha, Sigma Alpha Epsilon, Sigma Alpha Mu, Sigma Chi, Sigma Nu, Sigma Phi Epsilon, Tau Kappa Epsilon, and Theta Chi.

Student Publications. University of Oregon student publications are listed below. The official publications of the University and of the State System of Higher Education 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 FACULTY AND STUDENT 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. Semiannual meetings are held at Homecoming and at Commencement. The Alumni Association published a 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

GORDON WILSON, '25.....	President
RUTH STEWART CALDWELL, '23	Vice-President
LESTER E. ANDERSON, '43.....	Secretary-Treasurer

EXECUTIVE COMMITTEE

GORDON WILSON, '25; RUTH STEWART CALDWELL, '23; LESTER E. ANDERSON, '43; ERNEST HAYCOX, '23, immediate past president. Members-at-large: JOHN HOUSTON, '21; WILLIAM N. RUSSELL, '35; CHARLES R. HOLLOWAY, JR., '35.

DIRECTORS

Term ending Dec. 31, 1948

DOUGLAS MULLARKEY, '20
KATHERINE B. BUTTON, '22
HARRY SKERRY, '43
Dr. VICTOR HOWARD, '10
JOSEPHINE R. JOHNSON, '29
JOHN HOUSTON, '21
RICHARD FROESTAL, '36
SIDNEY MILLIGAN, '38
LAWRENCE HULL, '23
RALPH CRONISE, '11
EARL BLACKABY, '15
REYNOLDS ALLEN, '35

Term ending Dec. 31, 1949

JAMES T. DONALD, '15
WALTER DURGAN, '28
PETER LAURS, '27
ROBERT S. LOVELL, '42
JAMES M. DILLARD, '24
GEORGE HUGGINS, '16
REMEY COX, '22
VERNON F. HANSCAM, '38
GEORGE LUOMA, '41
Dr. H. C. STAPLES, '23
ORVAL D. YOKUM, '27

Term ending Dec. 31, 1950

EDWIN DICK, '40
HOLLIS JOHNSTON, '21
JOHN KITZMILLER, '31
COLLIS P. MOORE, '25
JOHN HATHAWAY, '44
GEORGE COREY, '38
RAYMOND O. WILLIAMS, '14
ASA EGGLESON, '22
PAUL PATTERSON, '23
RUSS HUDSON, '43
HOWARD S. ZACHARY, '25
RAND E. POTTS, '44

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 LEE JOHNSON, Ph.D., Dean of the College of Liberal Arts.

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

BLANCHE E. THOMPSON, 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 remained 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, Geology and Geography, 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 156).

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 186 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 54-55. 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

ALL University students are required, during their freshman and sophomore years, to complete a stated minimum of work in lower-division survey or foundation courses in the College of Liberal Arts. Courses approved for the satisfaction of this requirement are numbered 100-110 and 200-210, and are divided into three general "groups"—language and literature, social science, and science. All sequences approved for satisfaction of the group requirement carry a total of at least 9 term hours of credit.

Majors in the College of Liberal Arts, to satisfy the group requirement, must complete a year sequence in each of the three groups, and a second year sequence numbered 200-210 in one of the three groups. Majors in the professional schools, to satisfy the group requirement, must complete a year sequence in each of two of the three groups.

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.: Augustan Age (CL 101, 102, 103)

Foreign Languages (continued)

Latin Lit.: Silver Age (CL 201, 202, 203)
German Lit. (GL 201, 202, 203)
French Lit. (RL 201, 202, 203)
Spanish Lit. (RL 207, 208, 209)
Russian Lit. (SL 201, 202, 203)

SOCIAL-SCIENCE GROUP

General Social Science

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

Anthropology

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

Economics

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

Geography

- Intro. Geography (Geo 105, 106, 107)

History

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

Philosophy

- Intro. to Philosophy (Phl 201, 202, 203)

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 Found. of West. Civilization (R 201, 202, 203)

Sociology

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

SCIENCE GROUP

General Science

- Biological-Science Survey (GS 101, 102, 103)
- Physical-Science 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 101, 202, 203)
- Analytical & Theoretical Chem. (Ch 204, 205, 206)

Geology

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

Mathematics

- Intermediate Algebra (Mth 100)
- Elem. Analysis I, II, III (Mth 101, 102, 103)

Mathematics (continued)

- College Algebra (Mth 105)
- Plane Trigonometry (Mth 106)
- Math. of Finance (Mth 108)
- Analytical Geometry (Mth 200)
- Diff. & Integral Calculus (Mth 201, 202, 203)

Physics

- Essentials of Physics (Ph 101, 102, 103)
- General Physics (Ph 201, 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 the 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 be called a restricted elective program, since the greater part of a student's work must be selected from a restricted list of courses.

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

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. Hoyt Trowbridge of the Department of English is chairman of this committee.

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. However, for admission to certain of the required lower-division courses, the student must have completed a minimum of one year of high-school algebra and two years of high-school Latin, German, French, or Spanish, or the equivalent. Students who have not taken this work in high school may make up their deficiencies in courses offered by the University, but completion of graduation requirements may be delayed.

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 eight year sequences from the following list of courses in five fundamental fields of study. If, however, by an examination given by the department concerned, a student shows mastery of the material of any sequence, he may substitute for it any other sequence in the list.

Foreign Language—one of the following sequences:

- Second-Year Latin (CL 7, 8, 9)
- Second-Year German (GL 4, 5, 6)
- Second-Year French (RL 4, 5, 6)
- Second-Year Spanish (RL 14, 15, 16)

Literature—Shakespeare (Eng 201, 202, 203) and one of the following sequences:

- Latin Literature (CL 101, 102, 103)
- German Literature (GL 201, 202, 203)
- French Literature (RL 201, 202, 203)
- Spanish Literature (RL 207, 208, 209)
- †Survey of Eng. Lit. (Eng 101, 102, 103)
- †Apprec. of Lit. (Eng 104, 105, 106)

Science—two 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)

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)

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 (Geo 105, 106, 107)
- American Govts. (Ps 201, 202); Amer. 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)

Junior and Senior Years

During his junior and senior years, the student is required to complete at least nine sequences from the lists printed below, not more than two of which may be chosen from any one subject division.

Anthropology

- Primitive Thought (Anth 444, 445, 446)
- Beg. & Develop. of Civilizations (Anth 314, 315, 316)
- Problems of Race & Culture (Anth 411, 412, 413)

Biology

- Evolution (Bi 315), Elementary Genetics (Bi 342), Elementary Genetics Lab. (Bi 343)
- Intro. to Bacteriology (Bi 311), Human Physiology (Bi 312, 313)

*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 the required work in English composition.

†Students electing these sequences must also complete a second year in a foreign language to qualify for the B.A. degree.

Biology (continued)

- Algae & Fungi (Bi 331), Ferns & Mosses (Bi 332), Gymnosperms (Bi 333)
- Intro. to Gen. Physiology (Bi 491), Vertebrate Embryology (Bi 344)
- Protozoology (Bi 461), Invertebrate Zoology (Bi 463)

Chemistry

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

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)

Economics

- Labor Problems (Ec 425), Organized Labor (Ec 426), Labor Legislation (Ec 427)
- Hist. of Ec. Thought (Ec 470, 471, 472)
- Ec. Theory & Problems (Ec 475, 476, 477)

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)
- 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), Pope (Eng 455), Milton (Eng 444)

Geology and Geography

- General Geology (G 101, 102, 103)
- Intro. to Palaeontology (G 381, 382, 383)
- Climatology (Geo 215), Geomorphology (Geo 316), Geography of Pacific (Geo 428)

Germanic Languages

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

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)

History (continued)

- Renaissance (Hst 430, 431), Reformation (Hst 432)
- History of France (Hst 441, 442, 443)
- Constitutional Hist. of U. S. (Hst 483, 484, 485)

Mathematics

- Analytical Geometry (Mth 200), Dif. & Int. Calculus (Mth 201, 202)
- Dif & Int. Calculus (Mth 201, 202, 203)
- Adv. College Algebra (Mth 314), Theory of Equations (Mth 315), Higher Algebra (Mth 412)
- Solid Analyt. Geometry (Mth 316), Adv. Euclidean Geometry (Mth 415), Projective Geometry (Mth 416)
- Differential Equations (Mth 421, 422, 423)

Philosophy

- Logic (Phl 314, 315, 316)
- Ethical & Pol. Theory (Phl 321, 322, 323)
- Development of Scientific Thought (Phl 414, 415, 416)
- History of Philosophy (Phl 431, 432, 433)

Physics

- Elementary Meteorology (Ph 207), Descriptive Astronomy (Ph 208, 209)
- Advanced Gen. Physics (Ph 411, 412, 413)

Political Science

- Comparative Government (PS 326, 327, 328)
- Hist. of European Pol. Theory (PS 431), Modern Pol. Theory (PS 432), Hist. of American Pol. Theory (PS 433)

Psychology

- Social Psychology (Psy 334, 335)
- Genetic Psych. (Psy 411), Adolescence, Maturity & Senescence (Psy 412), Abnormal Psych. (Psy 413)
- Adv. Exper. Psych. (Psy 451, 452, 453)
- History of Psych. (Psy 473, 474, 475)
- Systematic Psych. (Psy 421, 422, 423)

Religion

- Rel. of Classical Antiquity (R 461), Judaism & Christianity (R 462), Living Religions of Orient (R 463)

Romance Languages

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

Sociology

- Hist. of Social Thought (Soc 450, 451, 452)
- Criminology and Penology (Soc 415, 416)
- Juvenile Delinquency (Soc 417)

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 as 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 431, 432, 433); Philosophy and Literature (Phl 411, 412, 413); Development of Scientific Thought (Phl 414, 415, 416).

(4) History of Literary Criticism (Eng 414, 415, 416) or Aesthetics (Phl 421, 422, 423).

In addition the student must complete four upper-division sequences chosen from the major departments in the College of Liberal Arts; however, any of the following sequences may be elected for the satisfaction of this requirement: History of Music (Mus 422, 423, 424); Music of the Eighteenth Century (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 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 at 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 receiving the Junior Certificate. 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 (Geo 431); Ethnography 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); Governments of the Far East (PS 330); Far Eastern International Relations (PS 331); Far Eastern Policy of the United States (PS 332); History of Oriental Art (AA 446, 447, 448); Civilizations of China and Japan (Hst 394, 395, 396); Economic Problems of the Pacific (Ec 445, 446, 447); 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 complete certain prescribed work but also show an aptitude for medical studies. A medical-aptitude 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 (135 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
Totals 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 credit 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.

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 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 requirements for the Junior Certificate, and all 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 premedical curriculum, will satisfy all 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 all 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 (Rht 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 344).....	-	-	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. 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 has taken 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.

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

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

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 (Rht 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 and Theoretical Chemistry (Ch 204)	-	-	5
General Physics (Ph 201, 202, 203)	4-5	4-5	4-5
Social Science	3	3	3
Physical Education	1	1	1
Military Science	1	1	1
Elective (literature or social science)	3	3	3
	16-17	16-17	17-18

THREE-YEAR CURRICULUM

First Year

General Chemistry (Ch 201, 202, 203)	5	5	5
*Mathematics	4	4	4
English Composition (Rht 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 and Theoretical Chemistry (Ch 204)	-	-	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	-
Rise of Experimental Science (Ph 341)	-	-	2
Basic Design (AA 195)	2	-	-
Elementary Sculpture (AA 293)	-	-	4
Electives	6-7	8-9	6-7
	16-18	16-18	16-18

Preparatory Nursing 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

* See note (*), page 89.

and prepares for state examinations for nurse registration. The student takes five terms of preprofessional work at the University of Oregon at Eugene or at Oregon State College at Corvallis. The preprofessional curriculum is completed with one term of work on the campus of the Medical School (during which the student satisfies academic requirements for the Junior Certificate), 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, except that students who take their first five terms at Oregon State College receive their degrees from the State College.

First Year

	Term hours		
	F	W	S
Elementary Chemistry (Ch 101, 102, 103)	4	4	4
English Composition (Rht 111, 112, 113)	3	3	3
English Literature	3	3	3
Backgrounds of Nursing (Nur 111)	3	—	—
Physical Education	1	1	1
Electives	2	5	5
	16	16	16

Second Year

At the University:			
General Zoology (Bi 201, 202)	4	4	—
General Sociology (Soc 204, 205)	3	3	—
General Psychology (Psy 201, 202)	3	3	—
Psychology of Adjustment (Psy 204)	—	3	—
Principles of Dietetics (HEc 225)	2	—	—
Physical Education	1	1	—
Electives	4	3	—
At the Medical School:			
Anatomy (An 311)	—	—	4
Bacteriology (Bac 230)	—	—	5
Organic and Biochemistry (Ch 255)	—	—	5
Elementary Pharmacology (Phc 213)	—	—	2
Elementary Nursing Arts (Nur 210)	—	—	1
	17	17	17

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 as follows:

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 381); Histology (Bi 382); Vertebrate Embryology (Bi 345); Parasitology (Bi 383); Comparative Vertebrate Anatomy (Bi 341); Introduction to Bacteriology (Bi 311); General Bacteriology (Bi 322, 323); 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."

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 of Germanic Literature.** 3 hours each term.
In English. Lectures and assigned readings covering the whole range of German literature. Not offered 1948-49. Lussky.
- AL 317, 318, 319. **Chinese and Japanese Classics in Translation.** 2 hours each term.
Study of the principal Chinese and Japanese literary monuments, with attention to historical and philosophical works as well as to poetry and the novel.
- AL 321, 322 323. **Classic Myths.** 1 hours 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.
Reading and study of representative works of the great masters (Pushkin, Gogol, Turgenev, Tolstoy, Dostoevski) with a view to understanding of the principal currents of Russian thought and culture. Koiransky.
- 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 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. Huestis, Detling, staff.
- 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. Andrews.

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.

SSc 112, 113, 114. Problems of War and Peace. 1 hour each term.

Economic and social aspects of nationalism, consequences of war and international conflict, and agencies for promoting international cooperation and world peace. Open to all lower-division students. Morris.

UPPER-DIVISION COURSES

SSc 320. Personnel Problems of Junior Officers. 2 hours fall.

Organization and practice of guidance in student groups; scholarship and personality-adjustment problems. Primarily for house scholarship officers; others may be admitted by consent of instructor. Onthank.

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.

SSc 412, 413, 414. Advanced Personnel Practice. (G) 2 hours each term.

Problems of student bodies; principles and techniques; morale; discipline; supervision; etc. Practice combined with study. Prerequisite: Psy 201, 202, 204; Soc 204, 205, 206. Onthank.

GRADUATE COURSE

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

SSc 508. Social-Science Symposium. Terms and hours to be arranged.

A cooperative study of the social problems of the state of Oregon. Open to qualified seniors and graduate students.

Department of Anthropology

PROFESSOR: L. S. CRESSMAN (department head).

ASSOCIATE PROFESSORS: H. G. BARNETT*, D. S. DAVIDSON.

ASSISTANT PROFESSOR: R. F. SPENCER.

ASSISTANTS: R. W. CAMPBELL, D. L. CHRYSLER, MARYANN T. DOYLE, ALLEN MURPHY*.

Field work, Micronesia, 1947-48.

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 major 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: General Anthropology (Anth 101, 102, 103); 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: The American Indian (Anth 317, 318, 319); Genetic Psychology (Psy 411); Adolescence, Maturity, and Senescence (Psy 412); Abnormal Psychology (Psy 413). Mth 325 is recommended for majors and is essential for completion of the work for the master's degree. Graduate students must complete Linguistics (Anth 441, 442, 443) 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, Davidson.

UPPER-DIVISION COURSES

Anth 314, 315, 316. Beginnings and Development of Civilizations. 3 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: 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. Barnett.

Anth 401. Research. 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.

Fall: the basis of racial classification; stability of racial types, mental quality of races, race crossing, race prejudice as a cultural product. Winter: the nature of society and culture, origins of culture, culture dynamics. Spring: the process of socialization; adjustment of the group and the individual to culture; culture and personality. Prerequisite: 9 hours in anthropology. Cressman.

Anth 420, 421, 422. 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 423, 424, 425. Peoples of the Pacific. (G) 3 hours each term.

Life and custom among the native groups of the South Pacific, including Polynesia, Micronesia, Melanesia, Australia, and Indonesia. Prerequisite: 9 hours in anthropology. Barnett.

Anth 431, 432, 433. Primitive Society. (G) 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.

Anth 435, 436, 437. Ethnography 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. Spencer.

Anth 438, 439, 440. Ethnography of Southern and Eastern Asia. 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. Spencer.

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. Spencer.

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

Fall: thought processes and systems of primitive cultures, as reflected in technology, magic, and religion; winter: thought of primitives as reflected in aesthetic expression in various art forms; spring: folklore and mythology as an expression of the imaginative and creative thought of primitive peoples. Prerequisite: 9 hours in anthropology, sequence in ethnography. Spencer.

GRADUATE COURSES

Courses numbered 400-499 and designated (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.

Department of Biology

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

ASSOCIATE PROFESSORS: C. W. CLANCY, F. P. SIPE.

ASSISTANT PROFESSORS: L. E. DETLING, I. M. NEWELL, A. L. SÖDERWALL.

INSTRUCTOR: D. J. KIMELDORF.

ASSISTANTS: JOSEPH C. COLISTRO, E. E. DEBRA†, D. K. GILLESPIE, RUTH O.
MATTUS, HELEN D. MCCANN, RUBY F. RAMEY‡, GLORIA S. VANBROCKLIN.

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.

High-school students planning to major in biology at the University should include in their high-school course one and one-half units of algebra, and one unit each of geometry, biology, chemistry, and physics. Two years of Latin will be found very useful.

The following lower-division courses are required of majors in biology: Intermediate Algebra (Mth 100) or its high-school equivalent; General Chemistry (Ch 201, 202, 203); General Zoology (Bi 201, 202, 203); General Botany (Bi 204, 205, 206); or equivalents.

A total of at least 36 term hours of upper-division courses in biology are required of majors, including the following courses:

For students wishing to emphasize zoology in their major programs: Comparative Vertebrate Anatomy (B 341), Elementary Genetics (Bi 342), Elementary Genetics Laboratory (Bi 343), Vertebrate Embryology (Bi 344), Introduction to General Physiology (Bi 491).

For students wishing to emphasize botany in their major programs: Algae and Fungi (Bi 331), Ferns and Mosses (Bi 332), Gymnosperms (Bi 333), Elementary Genetics (Bi 342), Elementary Genetics Laboratory (Bi 343), General Physiology (Bi 491), Ecology (Bi 453).

Organic Chemistry (Ch 226, 227) is required for students emphasizing zoology and recommended for students emphasizing botany. General Physics

* Retirement effective June 30, 1948.

† Resigned Dec. 31, 1947.

‡ Resigned March 20, 1948.

(Ph 201, 202, 203) and Elements of Statistics (Mth 325, 326) are recommended for all biology majors.

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 all undergraduate major requirements or their equivalent 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.

In the Museum of Natural History, the department has access to 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.

A study of the fundamental principles of animal biology. 2 lectures; 2 two-hour laboratory periods. Risley, staff.

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.

Bi 211. 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. Sipe.

UPPER-DIVISION COURSES

Bi 311. Introduction to Bacteriology. 3 hours fall.

Basic principles and techniques of bacteriology. Prerequisite to Bi 322, 323. 2 lectures; 2 two-hour laboratory periods. Prerequisite: one year of biology and one year of chemistry. Soderwall.

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 zoology, or consent of instructor. Soderwall.

Bi 315. Evolution. 2 hours fall.

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

Bi 322, 323. General Bacteriology. 3 hours each term.

2 lectures; 1 three-hour laboratory period. Prerequisite: Bi 311. Soderwall.

Bi 331. Algae and Fungi. 4 hours fall.

Structures and life histories of representative algae and fungi. Locally growing material is used wherever possible. 2 lectures; 2 three-hour laboratory periods. Prerequisite: General Botany. Sipe.

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 botany. Sipe.

Bi 341. Comparative Vertebrate Anatomy. 4 hours fall.

The comparative anatomy of the vertebrate organ systems, with emphasis on their phylogenetic relationships. 2 lectures; 2 three-hour laboratory periods. Prerequisite: general zoology. Clancy.

Bi 342. Elementary Genetics. 2 hours winter.

Heredity and variation in plants and animals; similarities and differences among related organisms. Lectures may be taken without laboratory (Bi 343), by liberal-arts majors with upper-division standing. 2 lectures. Huestis.

Bi 343. Elementary Genetics Laboratory. 2 hours winter.

Required for biology majors. 2 three-hour laboratory periods. Prerequisite: one year of biology. Clancy.

Bi 344. Vertebrate Embryology. 4 hours spring.

Early developmental stages of vertebrates. 2 lectures; 2 three-hour laboratory periods. Prerequisite: general zoology. Huestis, Clancy.

Bi 381. Microtechnique. 4 hours winter.

Laboratory experience in preparing animal tissues for microscopic study. 2 lectures; 2 three-hour laboratory periods. Prerequisite: general zoology or general botany. Kimeldorf.

Bi 382. Histology. 4 hours spring.

Systematic study, description, and identification of histological structures. 2 lectures; 2 three-hour laboratory periods. Prerequisite: general zoology. Kimeldorf.

Bi 383. Parasitology. 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: general zoology; consent of instructor. Newell.

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 411. Higher Fungi.** 4 hours fall.

Structure and classification of the more-common fungi. 2 lectures; 2 three-hour laboratory periods. Prerequisite: Bi 331. Sipe.

Bi 421, 422, 423. 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 431, 432, 433. 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 443. Endocrinology.** (G) 4 hours spring.
Morphology and physiology of the glands of internal secretion, and their role in normal body functions of the organism. 3 lectures; 1 three-hour laboratory period. Prerequisite: two years of zoology; organic chemistry. Soderwall.
- Bi 453. 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. 2 lectures; 2 three-hour laboratory periods. Prerequisite: one year of chemistry; two years of biology. Newell.
- Bi 461. Protozoology.** (G) 4 hours fall.
Structure, classification, life histories, physiology, and ecology of the protozoa. 2 lectures; 2 three-hour laboratory periods. Prerequisite: two years of biology.
- Bi 462. Invertebrate Zoology.** (G) 4 hours.
A survey of invertebrate phyla, with particular emphasis in nonparasitic forms. 2 lectures; 2 three-hour laboratory periods. Prerequisite: two years of biology. Newell.
- Bi 483. Advanced Genetics.** (G) 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 401 or Bi 501. Prerequisite: two years of biology; elementary genetics; organic chemistry. Clancy.
- Bi 485. Experimental Morphogenesis.** (G) 2 hours.
Problems and techniques of experimental morphogenesis and development. Lectures and laboratory. With the consent of the instructor, additional experimental work may be carried on in connection with this course under Bi 401 or Bi 501. Prerequisite: two years of zoology, including vertebrate embryology. Risley.
- Bi 487. Cytology.** (G) 3 hours fall.
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 344, Bi 381, Bi 382, Bi 491, or consent of instructor. Risley.
- 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. Moore.
- Bi 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. 3 lectures; 1 three-hour laboratory period. Prerequisite: Bi 491 or consent of instructor. Moore.

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.

Department of Chemistry

PROFESSORS: A. H. KUNZ (department head), F. L. SHINN (emeritus), PIERRE VAN RYSSSELBERGHE.

ASSISTANT PROFESSORS: R. B. DEAN, HANS HEYMANN, F. J. REITHEL, D. F. SWINEHART.

INSTRUCTORS: R. C. ANDREWS, THEODORA EDWARDS.

ASSOCIATES: PAUL DELAHAY, J. M. MCGEE.

ASSISTANTS: J. H. CAIRNS*, C. K. CLAYCOMBE, R. M. COX, W. J. FINDLAY†, G. J. HUNT, P. F. LINDE, R. G. MARGETSON, K. M. TAI, T. E. TEETER, LIN TSAI, W. E. WHITE†, R. P. WITHER, M. S. WRIGHT, ELAINE P. ZINKER.

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).

Majors should elect at least one additional advanced sequence in chemistry, such as Advanced Inorganic Chemistry (Ch 411, 412, 413), Biochemistry (Ch

* Resigned Dec 31, 1947.

† Resigned March 20, 1948.

450, 451, 452), 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 pages 87-89).

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 laboratories and classrooms of the Department of Chemistry are located in McClure Hall and in the Journalism Building, adjoining McClure.

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. Andrews.

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

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

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 or consent of instructor. 3 lectures; 2 three-hour laboratory periods. Swinehart.

Ch 220. Analytical Chemistry. 4 hours.

Lectures on the fundamentals of qualitative and quantitative analysis. Laboratory work devoted mainly to quantitative analysis. Prerequisite: Ch 203. 3 lectures; 1 three-hour laboratory period.

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. Prerequisites: Ch 205 or equivalent. 1 lecture; 3 three-hour laboratory periods.

UPPER-DIVISION COURSES

Ch 320. Quantitative Analysis. 2 to 3 hours.

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

Ch 340. Elementary Physical Chemistry. 4 hours spring.

Fundamental principles of physical chemistry, with emphasis on their applications to medicine. Prerequisite: Ch 220 or Ch 204. 3 lectures; 1 three-hour laboratory period.

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: two years of college chemistry. Dean, 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. Heymann.

Ch 440, 441, 442. Physical Chemistry. (g) 4 hours each term.

Comprehensive study of the theoretical aspects of physicochemical phenomena. 3 lectures; 1 laboratory period. Prerequisite: two years of college chemistry or consent of instructor. Van Rysselberghe.

Ch 450, 451, 452. Biochemistry. (G) 3 hours each term.

The chemical interpretation of biological phenomena; study of compounds having biological significance; chemical analysis of biological materials. Prerequisite: Ch 432. Lectures and laboratory. 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. Kunz, Dean.

Ch 530, 531, 532. Advanced Organic Chemistry. 2 or 3 hours each term.

An advanced discussion of the fundamental reactions of organic compounds. Heymann.

Ch 533, 534, 535. Advanced Organic Laboratory. 2 hours each term.

Designed to accompany Ch 530, 531, 532. Heymann.

Ch 540, 541, 542. Advanced Physical Chemistry. 3 hours each term.

The work of each term is selected from such topics as: colloids, phase rule, chemical kinetics, electrochemistry, polarography, quantum chemistry, catalysis. Dean, Swinehart.

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. Van Rysselberghe.

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: CALVIN CRUMBAKER (department head), W. C. BALLAINE, J. T. GANOE, J. H. GILBERT (emeritus), V. P. MORRIS, L. A. WOOD.

ASSOCIATE PROFESSORS: P. W. ELLIS, P. L. KLEINSORGE.

INSTRUCTOR: E. C. ROBBINS, JR.

ASSISTANTS: NORMAN BRADLEY, E. E. HOOGSTRAAT*, H. M. RHORER, JR., FAYE D. RICHARDS, C. L. SAUVIE.

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.

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 and prerequisite to all upper-division work in the department. 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 Year. At least one full year sequence from the following group of courses: Distribution of Income in Theory and Practice (Ec 415), Economics of American Industry (Ec 416), Contemporary Economic Problems (Ec 417); Economics of Business Organization and Finance (Ec 334), Economics of Public Utilities (Ec 434), Economics of Transportation (Ec 436), Government Control of Private Business (Ec 438); International Trade (Ec 440), International Economic Policies (Ec 441, 442); Economic Problems of the Pacific (Ec 445, 446, 447); Land Economics (Ec 453), Agriculture in the National Economy (Ec 454), Conservation of Natural Resources (Ec 455); Modern Theories of Social Reform (Ec 450, 451), Economic Problems of Social Security (Ec 465); American Economic History (Ec 487, 488, 489).

Senior Year. History of Economic Thought (Ec 470, 471, 472) and Economic Theory and Problems (Ec 475, 476, 477), required of all majors; and at least one year sequence from the following groups of courses: Money and Banking (Ec 411, 412, 413); Public Finance (Ec 418, 419, 420); Labor Problems (Ec 425), Organized Labor (Ec 426), Labor Legislation (Ec 427); Statistics and Applied Economics (Ec 429), Measurement of Economic Trends (Ec 469), Statistical Economics (Ec 482); Mathematical Economics (Ec 480, 481).

Option in Statistical Economics. This option, leading to the Bachelor of Science degree with a major in economics, is intended to prepare students for the

* Resigned Dec. 31, 1947.

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. Freshman mathematics; Constructive Accounting (BA 111, 112, 113).

Sophomore Year. Principles of Economics (Ec 201, 202, 203); Differential and Integral Calculus (Mth 201, 202, 203); Mathematics of Finance (Mth 108); Elements of Finance (BA 222); Elements of Marketing (BA 223).

Junior Year. Elements of Statistical Methods (Mth 325, 326); Probability (Mth 427); Business Law (BA 416, 417, 418); Differential Equations (Mth 421, 422, 423); junior sequence in economics—recommended: Economic Problems of State Regulation (Ec 435), Economic Problems of Federal Regulation (Ec 437), Government Control of Private Business (Ec 438).

Senior Year. Business Statistics (BA 432); Advanced Business Statistics (BA 433); Business Cycles (BA 466); Mathematical Economics (Ec 480, 481); Statistical Economics (Ec 482); Money and Banking (Ec 411, 412, 413); Public Finance (Ec 418, 419); History of Economic Thought (Ec 470, 471, 472); Economic Theory and Problems (Ec 475, 476, 477).

LOWER-DIVISION COURSES

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

Principles that underlie production, exchange, and distribution, etc. Prerequisite: sophomore standing. Ballaine, Crumbaker, Ellis, Morris, Robbins.

Ec 204, 205. Principles of Economics. 5 hours each term, winter and spring. Two-term sequence covering same material as Ec 201, 202, 203. Wood, Robbins.

UPPER-DIVISION COURSES

Ec 334. Economics of Business Organization and Finance. 3 hours fall.

Students may offer Elements of Finance (BA 222) as a substitute to satisfy major requirement.

Ec 338. Economic Problems of Government Ownership. 3 hours spring.

Public enterprise studied historically as it involves railroads, banks, etc., and in its contemporary manifestations in connection with public utilities. Administration of government-owned business. Crumbaker.

Ec 401. Research. Hours to be arranged.

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. Robbins.

Ec 415. Distribution of Income in Theory and Practice. (G) 3 hours fall.

Distribution according to theory compared with actual distribution. Distribution by size of income, industrial source, type of income. Use in economic forecasts. Prerequisite: Ec 201, 202, 203; Mth 325, 326 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. Ellis.
- Ec 417. Contemporary Economic Problems.** (G) 3 hours spring.
A study of contemporary business conditions and problems; the impact of World War II upon our economic system; problems of adjustment to a permanent basis. 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. Special attention to Oregon. Ellis.
- Ec 425. Labor Problems.** (G) 4 hours fall.
Conditions of labor since the industrial revolution. Trade-union policies; strikes and lockouts; trade agreements; conciliation and arbitration; etc. Prerequisite: principles of economics or principles of sociology. Wood.
- Ec 426. Organized Labor.** (G) 4 hours winter.
History of the labor movement; aims, methods, and policies of trade unions, conservative and radical. Prerequisite: Ec 425. Wood.
- Ec 427. Labor Legislation.** (G) 4 hours spring.
Problems facing employee, employer, and public which call for regulation through public authority. Wood.
- Ec 429. Statistics and Applied Economics.** (G) 3 hours spring.
Technique of collecting, classifying, and analyzing quantitative data relating to economic conditions and problems. Prerequisite: Mth 325, 326.
- Ec 434. Economics of Public Utilities.** (G) 3 hours fall.
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. Crumbaker.
- Ec 435. Economic Problems of State Regulation.** (G) 2 hours fall.
Regulation of intrastate services; merits of state control and home rule; regulation of publicly owned utilities; regulation of holding companies. Prerequisite: Ec 434 or consent of instructor. Crumbaker.
- Ec 436. Economics of Transportation.** (G) 3 hours winter.
Economic problems of contract and common carriers by water, highway, airway, railway. Passenger, freight, express, mail services; theories of rate making; public policy toward subsidies and aids; competition and coordination. Crumbaker.
- Ec 437. Economic Problems of Federal Regulation.** (G) 2 hours winter.
Regulation of interstate common carriers and public utilities through Federal boards and commissions. Prerequisite: Ec 436 or consent of instructor. Crumbaker.
- Ec 438. Government Control of Private Business.** (G) 3 hours spring.
Survey of the general movement to subject business and personal and property rights to regulation by state or Federal agencies. Prerequisite: Ec 334, 338, 434, or 436; or consent of instructor. Crumbaker.
- Ec 440. International Trade.** (G) 3 hours fall.
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. Not offered 1948-49. Morris.

- Ec 441, 442. International Economic Policies.** (G) 3 hours each term, winter and spring.
Economic problems originating in or aggravated by World War I, and the remedial policies proposed. Economic causes and effects of World War II. Not offered 1948-49. Morris.
- Ec 445, 446, 447. Economic Problems of the Pacific.** (G) 3 hours each term.
Resources, trade, economic policies, and interdependence in the Pacific area, with special emphasis on the Far East. Morris.
- Ec 450, 451. Modern Theories of Social Reform.** (G) 3 hours each term, winter and spring.
Suggested theories involving more or less radical changes in the economic order, and criticism of these theories. Wood.
- 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.
- 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.
- 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.
- 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. Wood.
- Ec 466. Labor Remuneration.** (G) 3 hours winter.
The course of real wages in Europe and America during several centuries. Modern wage theories. Present-day wage statistics in the United States. Systems of wage payment. Influence of trade unions on wages. Wood.
- Ec 467. Labor and Agrarian Movements.** (G) 3 hours fall.
Labor and agrarian movements in the United States and Canada. Efforts to secure closer cooperation, economic and political, between organized labor and the farming class. Wood.
- Ec 469. Measurement of Economic Trends.** (G) 2 hours winter.
Recent developments in analysis of economic time series; application of these to the measurement of economic trends. Prerequisite: Mth 325, 326.
- 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. Required for senior majors. Ellis.
- Ec 475, 476, 477. Economic Theory and Problems.** (G) 2 hours each term.
Economic theories and their application to current economic problems. Required for majors in economics. Prerequisite: senior standing. Crumbaker.
- Ec 480, 481. Mathematical Economics.** (G) 3 hours each terms, fall and winter.
Analytical and critical examination of mathematical economics. Prerequisite: Mth 101, 102, 103 or equivalent; Ec 470, 471, 472 or Ec 475, 476, 477.

Ec 482. Statistical Economics. (G) 3 hours spring.

Theory and practice in the quantitative verification of economic principles and in the solution of practical problems. 2 lectures; 1 laboratory period. Prerequisite: Mth 325, 326; Mth 427; Ec 480, 481.

Ec 487, 488, 489. American Economic History. (G) 3 hours each term.

All phases of the economic development of the United States. Ganoe.

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 507. Seminar. Hours to be arranged.

Department of English

PROFESSORS: P. W. SOUERS (department head), C. V. BOYER (emeritus), 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: F. G. BLACK, ALICE H. ERNST.

ASSISTANT PROFESSORS: E. D. KITTOR, J. C. MCCLOSKEY, R. V. MILLS, CARLISLE MOORE, J. C. SHERWOOD, O. M. WILLARD.

INSTRUCTORS: ELSIE M. BAILEY*, E. G. BEZARD, JEANETTE CARLSON, GLENNIE EARLY, EDNA ELLIS*, MAXINE GORDON, E. V. HILL, R. F. HOCKSWENDER, D. E. HOUGHTON, DEBRAH LESAGE*, GEORGIA MCKINNEY, MARTHA MCMULLEN, NATHALIE MEANS*, T. F. MUNDLE, N. H. OSWALD, RUTH OSWALD*, C. W. PARKER, HARRIETT ROBERTS, FLORENCE SHEEHAN, IRMA SHERWOOD*, HELEN L. SOEHREN, W. J. STEVENS, F. W. TATE.

ASSISTANTS: WINIFRED L. CASTERLINE, J. I. CHURCH, RUTH H. CRYMES, J. V. LILL, MARGARET LUBBES†, LUELLA E. PRESCOTT, R. F. SHELLEY, R. K. THOMAS.

THE Department of English offers instruction in English and American literature and in rhetoric. Its lower-division courses are designed to supply the training essential to 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 major work in English literature and in American literature.

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.

* Resigned Mar. 20, 1948.

† Resigned Dec. 31, 1947.

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 in literature, 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 fulfilled. (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.

Honors in English. Majors in English who have received the Junior Certificate with Honors Privileges are automatically eligible to become candidates for the degree of Bachelor of Arts with Honors in English. Other students may become candidates with the approval of the Honors Council upon the recommendation of the head of the department. 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, 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 will act as his adviser, direct his reading, and oversee 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, Horn, McCloskey, Mills, Moore, Mundle, N. H. Oswald, I. Sherwood, Stevens, Trowbridge, Willard.

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

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

***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. R. Ernst, J. C. Sherwood.

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

Study of the important plays—comedies, histories, and tragedies. Required for majors. Hoeltje, Horn, Lesch, McCloskey, N. H. Oswald, Trowbridge, Willard.

Eng 294, 295, 296. Twentieth-Century Literature. 3 hours each term.

British and American literature since 1900. Moll, J. C. Sherwood.

UPPER-DIVISION COURSES

Eng 305. Reading and Conference. Hours to be arranged.**Eng 311. Tragedy.** 3 hours spring.

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 winter.

Thought and attitude of mind in their relation to prose style. Moore, Trowbridge.

Eng 313. Epic. 3 hours fall.

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 403. Thesis for Honors Candidates. Hours to be arranged.**Eng 405. Reading and Conference.** Hours to be arranged.

* A student may register for only one of the three sequences: Eng 101, 102, 103; Eng 104, 105, 106; Eng 107, 108, 109.

- 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 Prose and Poetry.** (G) 3 hours winter.
Prose and poetry of the fourteenth and fifteenth centuries, in relation to the social and literary ideas of the period.
- Eng 427. **Arthurian Legend in English Literature.** (G) 3 hours spring.
The origin and growth of the Arthurian legend; its use as poetic material by English and American writers.
- Eng 428. **Chaucer.** (G) 3 hours fall.
As much of Chaucer's work read as time permits, with attention to sources, poetical forms, pronunciation, and grammar. 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 winter.
Lesch.
- Eng 436. **Advanced Shakespeare.** (G) 3 hours fall.
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 spring.
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 spring.
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. Alternates with Eng 463, 464, 465. Not offered 1948-49. 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. Alternates with Eng 460, 461, 462. 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.

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.

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 108.

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 required to satisfy the high-school teaching-field requirement in English. Black.

UPPER-DIVISION COURSES

Eng 305. **Reading and Conference.** Hours to be arranged.

Eng 328. **American Drama.** 3 hours spring.

A study of major American dramatists. McCloskey.

Eng 329. **Literature of the West.** 3 hours spring.

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. 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. Alternates with Eng 484, 485, 486. 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. Alternates with Eng 481, 482, 483. Not offered 1948-49. 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.

RHETORIC

The end sought in courses in rhetoric is to develop in the student ability to express himself clearly and forcefully in the English language. English Composition (Rht 111, 112, 113) is a required freshman course for all University students. Students who do superior work in English Composition may obtain additional instruction and practice in writing through the elective course, Advanced Writing (Rht 216). For advanced students courses are provided in special art forms, such as essay writing, versification, play writing, and short story.

Students who receive a low rating in a placement examination given to all entering students are required to take Corrective English (Rht K) before they are permitted to register for English Composition.

LOWER-DIVISION COURSES

Rht 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 Rht K is a prerequisite for any other work in written English.

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

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

Rht 213, 214, 215. **Short-Story Writing.** 2 hours each term.

Designed to develop proficiency in the art of writing the short story. Prerequisite: consent of instructor. Black, Horn, Moore.

Rht 216. Advanced Writing. 3 hours fall or spring.

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

Rht 217. Business English. 3 hours 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: Rht 111, 112, 113. Bezard, Early, Kittoe, Soehren.

UPPER-DIVISION COURSES

Rht 311, 312, 313. Advanced Short-Story Writing. 2 hours each term.

For students interested in creative writing or in professional writing for magazines. Prerequisite: consent of instructor. Moll.

Rht 314, 315. Criticism. 3 hours each term, fall and winter.

Critical analyses and reviews of poetry and fiction, supplemented by reading in critical theory. Prerequisite: consent of instructor. Horn.

Rht 316. Essay Writing. 3 hours fall or spring.

Advanced work in composition, based on a study of the various forms and models of the essay. Prerequisite: Rht 111, 112, 113. Willard.

Rht 317, 318, 319. 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. Alternates with Rht 321, 322, 323. Prerequisite: consent of instructor. Not offered 1948-49. A. Ernst.

Rht 320. Advanced Essay Writing. 3 hours winter or spring.

Designed to develop proficiency in the art of expository writing. Prerequisite: Rht 316. Willard.

Rht 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. Alternates with Rht 317, 318, 319. Prerequisite: consent of instructor. A. Ernst.

Rht 324. English Composition for Teachers. 3 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: Rht 111, 112, 113. Mills.

Department of Foreign Languages

DEPARTMENT HEAD: D. M. DOUGHERTY.

Classical Languages

ASSISTANT PROFESSORS: F. M. COMBELLACK, EDNA LANDROS.

ASSISTANT: G. H. ALDER.

Germanic Languages

PROFESSORS: E. P. KREMER, G. F. LUSSKY.

ASSISTANT PROFESSOR: ASTRID M. WILLIAMS.

INSTRUCTOR: JUANITA L. DEMMER.

ASSISTANT: R. H. LAWSON.

Oriental Languages

ASSISTANT PROFESSOR: LAURENCE LE SAGE.

Romance Languages

PROFESSORS: C. B. BEALL, R. P. BOWEN (emeritus), D. M. DOUGHERTY, L. O. WRIGHT.

ASSISTANT PROFESSORS: CHRISTINA CRANE, C. L. JOHNSON, LAURENCE LE SAGE, ANNA M. THOMPSON (emeritus)*, ANIBAL VARGAS-BARÓN, J. F. WEIR.

INSTRUCTORS: JANINE COURTILLON, C. A. KRAFT, M. E. LÓPEZ, P. J. POWERS, L. E. RICHTER, MARY ROGOLINO, HUGUETTE R. SPONENBURGH, HAZEL TULECKE†.

ASSISTANTS: NITA N. MCGUIRE, W. E. MOXLEY, JR., BETTIE M. PAYNE, MABEL M. STEPHENS, JEAN THORSTAD.

Slavic Languages

ASSISTANT PROFESSOR: ALEXANDER KOIRANSKY.

THE Department of Foreign Languages offers instruction in the following languages: Chinese, French, German, Greek, Italian, Japanese, 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 sound reading knowledge of the languages to satisfy the language requirement for the Bachelor of Arts degree, and for use in advanced studies in the natural sciences, social sciences, and humanities.

(3) A competent speaking knowledge of German, French, and Spanish through elementary and advanced courses and through practical use of the languages in student-faculty language clubs and societies.

Departmental requirements for the Bachelor of Arts degree with a major in the Department of Foreign Languages are as follows:

Classical Languages. Option in Greek: 30 term hours in upper-division courses in Greek, History of Greece (Hst 411), and History of Rome (Hst 412, 413). Option in Latin: 24 term hours in upper-division courses in Latin, two years of work in either Greek or Italian, History of Greece (Hst 411), and History of Rome (Hst 412, 413).

Germanic Languages. Germanic Literature (GL 201, 202, 203 or GL 343 344, 345); German Conversation and Composition (GL 334, 335, 336); Goethe's Faust (GL 412).

Romance Languages. Either (1) a minimum of 30 term hours in French beyond RL 4, 5, 6, with supplementary courses in Spanish or Italian; or (2) a minimum of 24 term hours in Spanish beyond RL 14, 15, 16, with supplementary courses in French or Italian.

* Deceased Sept. 15, 1947.

† Resigned Jan. 25, 1948.

CLASSICAL LANGUAGES

GREEK

LOWER-DIVISION COURSES

CL 1, 2, 3. First-Year Greek. 4 hours each term.

Gleason, *Greek Primer*; 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*. Combellack.

CL 231, 232, 233. New Testament Greek. 4 hours each term.

Given alternate years. Prerequisite: one year of college Greek. Combellack.

UPPER-DIVISION COURSES

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

For description, see page 92. Combellack.

CL 314, 315, 316. Second-Year Greek: Works of Plato and Homer. 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*. Not open to students who have had CL 214, 215, 216. Combellack.

CL 317, 318, 319. Greek Tragedy. 3 hours each term.

Selected plays of Aeschylus, Sophocles, and Euripides; survey of the history of the Greek drama. Prerequisite: two years of college Greek. Not offered 1948-49. Combellack, Landros.

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. Not offered 1948-49. Combellack, 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. Combellack.

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. Combellack.

CL 405. Reading and Conference. Hours to be arranged.**CL 411, 412, 413. Plato and Aristotle. (G)** 3 hours each term.

Plato, *Republic*; Aristotle, *Ethics* and *Politics*. Reading supplemented by lectures and discussions on the theory and practice of education in ancient Greece. Prerequisite: two years of college Greek. Combellack.

CL 414, 415, 416. Attic Orators. (G) 2 hours each term.

The beginnings and development of Attic oratory. Assigned reading in Antiphon, Andocides, Lysias, Isaeus, Isocrates, Aeschines, and Demosthenes. Prerequisite: two years of college Greek. Landros.

GRADUATE COURSES

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

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

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

CL 507. **Seminar.** Hours to be arranged.

CL 517, 518, 519. **Greek Literature.** Hours to be arranged.

Introduction to methods and materials for research in classics. Special attention to literary problems. Intensive study of one of the following: Homer's *Odyssey*, Sophocles, Thucydides, Plato's *Republic*, Alexandrian poetry.

LATIN

LOWER-DIVISION COURSES

CL 4, 5, 6. **First-Year Latin.** 4 hours each term.

The sequence begins with the Latin fundamentals and closes with the reading of three books of Caesar's *Gallie War*. 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 students wishing to begin Latin in the winter term. Landros.

CL 101, 102, 103. **Latin Literature: Augustan Age.** 3 hours each term.

Horace, selected *Odes* and *Epodes*; Vergil, *Eclogues*; Livy, Books I and II. Prerequisite: two-years of college Latin. Not offered 1948-49. Combellack.

CL 201, 202, 203. **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. Landros.

UPPER-DIVISION COURSES

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*. Open to sophomores. Not open to students who have had CL 201, 202, 203. 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.** Hours to be arranged.

CL 461, 462, 463. **Latin Literature: Historians.** (G) 3 hours each term.

Livy, Tacitus, and others. Combellack.

GRADUATE COURSES

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

- CL 503. **Thesis.** Hours to be arranged.
- CL 505. **Reading and Conference.** Hours to be arranged.
- CL 507. **Seminar.** Hours to be arranged.
- CL 511, 512, 513. **Readings in Mediaeval Latin.** Hours to be arranged.
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.
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. Landros.

GERMANIC LANGUAGES

GERMAN

LOWER-DIVISION COURSES

- GL 1, 2, 3. **First-Year German.** 4 hours each term.
Designed to provide a thorough grammatical foundation and an elementary reading knowledge of idiomatic German. Kremer, Williams, staff.
- GL 4, 5, 6. **Second-Year German.** 4 hours each term.
Review of grammar, composition, conversation. Reading of modern German authors. Demmer, staff.
- 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 wishing to begin German in the winter term. Kremer.
- GL 201, 202, 203. **German Literature.** 3 hours each term.
Third year. A general survey of German literature. Reading of masterpieces of various periods. Prerequisite: two years of college German. Lussky.

UPPER-DIVISION COURSES

- AL 314, 315, 316. **Introduction to Germanic Literature.** 3 hours each term.
For description, see page 92. Lussky.
- GL 320, 321, 322. **Scientific German.** 3 hours each term.
A rapid review of the fundamentals of grammar, and intensive practice in the reading of scientific texts of increasing difficulty. Prerequisite: satisfactory completion of two years of college German, or GL 1, 2, 3 or GL 7, 8 with a grade of A or B. Kremer.
- GL 331, 332, 333. **German Literature in the Nineteenth Century.** 3 hours each term.
The "Novelle," principal dramatic works of the postclassical period, representative lyrics. Prerequisite: survey course in German literature. Not offered 1948-49. Kremer.
- GL 334, 335, 336. **German Conversation and Composition.** 2 hours each term.
Extensive practice in speaking and writing. Required of students planning

to teach German. Prerequisite: two years of college German or equivalent. Lussky.

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. **German Literature.** 3 hours each term.

A general survey of German literature. Reading of masterpieces of various periods. Prerequisite: two years of college German. Not open to students who have taken GL 201, 202, 203. Lussky.

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

For students reading for honors in Germanic languages.

GL 405. **Reading and Conference.** 1 to 3 hours any term.

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

GL 411. **Classical German Drama.** (G) 3 hours fall.

Representative dramatic masterpieces of the German classical period: Lessing, Goethe, Schiller, etc. Prerequisite: survey course in German literature. Lussky.

GL 412. **Goethe's Faust.** (G) 3 hours winter.

A detailed study and interpretation of Parts I and II of *Faust*. Prerequisite: survey course in German literature. Lussky.

GL 413. **Modern German Novel.** (G) 3 hours spring.

Intensive study of a few representative masterpieces of the nineteenth and twentieth centuries. Reading of selection from many authors. Prerequisite: survey course in German literature. Lussky.

GRADUATE COURSES

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

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

GL 505. **Reading and Conference.** 1 to 3 hours any term.

GL 507. **Seminar.** Hours to be arranged.

GL 508. **Seminar: German Philology.** 3 hours any term.

Gothic, Old High German, Middle High German, or Old Icelandic. Not offered 1948-49.

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

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

For description, see page 92.

ORIENTAL LANGUAGES

LOWER-DIVISION COURSES

OL 1, 2, 3. First-Year Japanese. 4 hours each term.

An introduction to the Japanese language, offered as an approach to the study of Japanese culture. LeSage.

OL 4, 5, 6. Second-Year Japanese. 4 hours each term.

Grammatical forms, language structure, and practice in reading. LeSage.

OL 21, 22, 23. First-Year Chinese. 4 hours each term.

Elements of Chinese, with stress on language structure and pronunciation.

OL 24, 25, 26. Second-Year Chinese. 4 hours each term.

Review of the rudiments of Chinese, with stress on grammatical forms; practice in reading and pronunciation.

UPPER-DIVISION COURSES

AL 317, 318, 319. Chinese and Japanese Classics in Translation. 2 hours each term.

For description, see page 92.

ROMANCE LANGUAGES**FRENCH**

LOWER-DIVISION COURSES

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

Grammar, pronunciation, composition, conversation. Translation of prose and poetry. Crane, staff.

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

Review of grammar, composition, conversation; translation of modern French authors. Johnson, 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 wishing to begin French in the winter term. McGuire.

RL 201, 202, 203. French Literature. 3 hours each term.

A general survey of French literature from the Middle Ages to the present; readings from representative texts. Conducted partly in French. Prerequisite: two years of college French. Crane, Johnson.

UPPER-DIVISION COURSES

RL 311, 312, 313. French Literature. 3 hours each term.

For description, see RL 201, 202, 203. Not open to students who have completed that sequence.

- RL 314, 315, 316. **Intermediate French Composition and Conversation.** 3 hours each term.

Training in pronunciation, comprehension, and composition. Ample opportunity for practice in conversation. Prerequisite: two years of college French or equivalent. LeSage.

- RL 320, 321, 322. **French Pronunciation and Phonetics.** 2 hours each term.

A thorough study of the fundamentals of French pronunciation, with analysis of each student's speech through use of voice recordings. Prerequisite: two years of college French or equivalent. Johnson.

- 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. Conducted partly in French. 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. 1 lecture in French; 2 recitations in English. Prerequisite: survey course in French literature. Not offered 1948-49. LeSage.

- RL 420, 421, 422. **Modern French Drama and Poetry.** (G) 3 hours each term.

Study of selected plays 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.

- RL 429, 430, 431. **French Culture and Civilization.** (G) 3 hours each term.

Historical, political, and social backgrounds of French literature and art. Alternates with RL 420, 421, 422. Not offered 1948-49. Johnson.

- RL 467, 468, 469. **Advanced French Composition and Stylistics.** 2 hours each term.

Translation of modern literary texts into French, and writing of original themes. Conducted in French. Normally required of all French majors. Prerequisite: RL 314, 315, 316 or equivalent. Dougherty.

GRADUATE COURSES

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

- RL 503. **Thesis.** Hours to be arranged.

- RL 505. **Readings 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. Conducted in French. Not offered 1948-49. 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. Conducted in French. Beall.
- RL 538, 539, 540. **Old French Readings.** 2 hours each term.
Not offered 1948-49.

ITALIAN

LOWER-DIVISION COURSES

- RL 31, 32, 33. **First-Year Italian.** 3 hours each term.
Grammar, pronunciation, composition, and translation of modern authors. 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 92. Beall.

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.

PORTUGUESE

UPPER-DIVISION COURSES

- RL 391, 392, 393. **First-Year Portuguese.** 2 hours each term.
Translation of simple prose, conversation, composition, and grammar. Weir.
- 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. Weir.

SPANISH

LOWER-DIVISION COURSES

- RL 11, 12, 13. **First-Year Spanish.** 4 hours each term.
Translation of common prose, conversation, composition, and grammar. Wright, staff.
- RL 14, 15, 15. **Second-Year Spanish.** 4 hours each term.
Review of grammar, composition, conversation; translation of modern Spanish authors. Vargas-Barón, 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 wishing to begin Spanish in the winter term. Richter, Rogolino.

RL 207, 208, 209. Spanish Literature. 3 hours each term.

Third year. Reading of masterpieces of various periods. A general survey of Spanish literature. Conducted partly in Spanish. Prerequisite: two years of college Spanish. Vargas-Barón, Wright.

UPPER-DIVISION COURSES**RL 341, 342, 343. Spanish Literature. 3 hours each term.**

For description see RL 207, 208, 209. Not open to students who have completed that sequence. Vargas-Barón, Wright.

RL 347, 348, 349. Intermediate Spanish Composition and Conversation. 2 hours each term.

Prerequisite: two years of college Spanish. López, Vargas-Barón.

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. López.

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. López.

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, Pombo, Silva, Nervo, González Prada, Mistral, and others. Conducted in Spanish. Prerequisite: survey course in Spanish literature. Vargas-Barón.

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, Cervantes, Lope de Vega, Calderón, Quevedo, Góngora, and others. Prerequisite: survey course in Spanish literature. Powers.

RL 461, 462, 463. Advanced Spanish Composition and Conversation. 2 hours each term.

Normally required of all Spanish majors. Prerequisite: RL 347, 348, 349 or equivalent. Conducted in Spanish. López.

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 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, Agustín 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. Vargas-Barón.

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. Vargas-Barón.

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 Provencal. 2 hours each term.

Not offered 1948-49.

RL 535, 536, 537. Old Spanish. 2 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 romances: Prerequisite: one year of college Latin. Not offered 1948-49. Wright.

SLAVIC LANGUAGES

LOWER-DIVISION COURSES

SL 11, 12, 13. First-Year Russian. 4 hours each term.

Translation of modern prose, conversation, composition, grammar. Koiransky.

SL 14, 15, 16. Second-Year Russian. 4 hours each term.

Review of grammar; composition, conversation. Translation of modern authors. Koiransky.

SL 201, 202, 203. Russian Literature. 3 hours each term.

Third year. Reading of representative masterpieces reflecting Russian life and culture. Koiransky.

UPPER-DIVISION COURSES

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

For description, see page 92.

Department of Geology and Geography

PROFESSORS: S. N. DICKEN (department head), W. D. SMITH (emeritus).

ASSOCIATE PROFESSOR: L. W. STAPLES.

ASSISTANT PROFESSORS: E. M. BALDWIN, J. C. STOVALL.

ASSISTANTS: HAZEL L. HARNSBERGER*, A. E. ROBERTS.

THE Department of Geology and Geography 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.

* Resigned March 20, 1948.

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.

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), English composition, history, general literature, and a foreign language.

Major Curriculum in Geology. The following courses are required for an undergraduate major in geology:

Lower Division—General Geology (G 101, 102, 103); mathematics (at least one year of college mathematics); chemistry; physics; Principles of Economics (Ec 201, 202, 203).

Upper Division—Mineralogy (G 312, 313, 314); Geomorphology (Geo 316); Introduction to Field Geology (G 391); Structural Geology (G 421); Introduction to Palaeontology (G 381, 382, 383); Stratigraphy (G 393); Economic Geology (G 411, 412, 413); Petrology and Petrography (G 414).

Major Curriculum in Geography. The following courses are required for an undergraduate major in geography:

Lower Division—Introductory Geography (Geo 105, 106, 107); Climatology (Geo 215); Geomorphology (Geo 316); Field Geography (Geo 221); Cartography (Geo 219, 220).

Upper Division—Geography of the Pacific Northwest (Geo 323, 324, 325); "geography of the continents" series and other upper-division courses in the field in accordance with the student's interest.

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, mineralogy, 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.

GEOLOGY

LOWER-DIVISION COURSES

G 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.

G 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: G 101, 102, 103. Baldwin.

G 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.

UPPER-DIVISION COURSES

G 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: G 101, 102, 103; Ch 201, 202, 203. Staples.

G 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.

G 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: G 103. Baldwin.

G 391. Introduction to Field Geology. 3 hours any term.

Elementary topographic mapping; use of field instruments; field trips; geological mapping of a small selected area near Eugene. Staples.

G 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: G 101, 102, 103. Baldwin.

G 405. Reading and Conference. Hours to be arranged.**G 406. Advanced Field Geology.** Hours to be arranged.**G 408. Advanced Palaeontology.** Hours to be arranged.

Special field and laboratory work for individual students.

G 411, 412, 413. Economic Geology. (g) 2 hours each term.

The general principles of the formation of metallic and nonmetallic economic geologic deposits; principal economic deposits, domestic and foreign. 2 lectures. Prerequisite: G 312, 313, 314. Staples.

G 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: G 312, 313, 314; Ph 101, 102, 103 or Ph 201, 202, 203. Staples.

Origin, interpretation, and mapping of minor rock structures, and of major

G 421. Structural Geology. (g) 4 hours.

structures such as faults and folds. 3 lectures; 1 laboratory period. Prerequisite: G 101, 102, 103; Ph 101, 102, 103 or Ph 201, 202, 203. Baldwin.

G 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: G 101, 102, 103; senior or graduate standing.

G 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: G 101, 102, 103; senior or graduate standing.

GRADUATE COURSES

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

G 501. Research. Hours to be arranged.

G 503. Thesis. Hours to be arranged.

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

G 506. Advanced Field Geology. Hours to be arranged.

G 507. Seminar. Hours to be arranged.

G 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. Staples.

G 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. Staples.

GEOGRAPHY

LOWER-DIVISION COURSES

Geo 105, 106, 107. Introductory Geography. 4 hours each term.

A general introduction to the field of geography, in sequence as follows: Geo 105, principles of geography; Geo 106, economic geography; Geo 107, human geography. 3 lectures; 1 two-hour laboratory period. Stovall.

Geo 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. Prerequisite: Geo 105, 106, 107.

Geo 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. Prerequisite: G 101, 102 or Geo 105, 107. Stovall.

Geo 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: Geo 219, 220. Stovall.

UPPER-DIVISION COURSES

Geo 314. Regional Geography. 3 hours fall.

The natural region as a geographic unit. Study of specially selected natural regions of the globe. Prerequisite: Geo 105, 106, 107. Stovall.

Geo 316. Geomorphology. 3 hours.

Systematic study of land forms in their relation to the cultural landscape. Prerequisite: Geo 105, 106, 107 or G 101, 102, 103. Dicken.

Geo 317. Geomorphology of the United States. 3 hours.

Continuation of Geo 316. Detailed study of the geomorphology of the United States. Dicken.

Geo 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. Prerequisite: Geo 105, 106, 107.

Geo 323, 324, 325. Physical and Economic Geography of the Pacific Northwest. 3 hours each term.

Regional geography of the Pacific Northwest. The geomorphology of the region as a basis for an analysis of its economic geography and attendant social, historical, and political relationships.

Geo 401. Research. Hours to be arranged.**Geo 405. Reading and Conference.** Hours to be arranged.**Geo 422, 423, 424. Advanced Economic Geography.** 3 hours each term.

World resources, utilization, conservation, political significance. Fall: minerals and power sources; winter: agricultural staples and tropical plantation crops; spring: timber, soils, grass lands, fish, and other extractive replaceable resources.

Geo 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: Geo 105, 106, 107. Dicken.

Geo 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: Geo 105, 106, 107.

Geo 429. Geography of North America. (G) 3 hours.

Regional geography of the continent north of the Rio Grande. Prerequisite: Geo 105, 106, 107.

Geo 430. Geography of South America. (G) 3 hours.

Physical, economic, and human geography of the continent. Prerequisite: Geo 105, 106, 107. Dicken.

Geo 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: Geo 105, 106, 107.

Geo 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: Geo 105, 106, 107.

Geo 433. Geography of Middle America. (G) 3 hours.

Regional geography of Mexico, Central America, and the islands of the Caribbean. Prerequisite: Geo 105, 106, 107. Dicken.

GRADUATE COURSES

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

Geo 501. Research. Hours to be arranged.**Geo 503. Thesis.** Hours to be arranged.**Geo 505. Reading and Conference.** Hours to be arranged.**Geo 507. Seminar.** Hours to be arranged.

Department of History

PROFESSORS: D. E. CLARK (department head)*, ANDREW FISH (emeritus), J. T. GANOE, H. J. NOBLE†, H. D. SHELDON (emeritus).

ASSOCIATE PROFESSORS: QUIRINUS BREEN, GORDON WRIGHT.

ASSISTANT PROFESSORS: P. S. DULL, R. W. SMITH, L. R. SORENSON, J. F. WEIR.

ASSOCIATES: MABEL McCLAIN (emeritus), LANCASTER POLLARD.

FELLOW: S. S. SPAID.

ASSISTANTS: W. F. CRAIG, H. E. DAVIDSON, B. B. FRYE, J. B. KYLE, HELEN J. POULTON.

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; and Historical Method (Hst 420). 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 master's 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.

Hst 201, 202, 203. History of the United States. 3 hours each term.

From colonial times to the present day. Clark, Sorenson, Weir, Spaid.

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 1870; winter: 1870 to 1919; spring: 1919 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. Ganoe.

* On sabbatical leave, spring term, 1947-48.

† On leave of absence 1947-48.

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. Dull.

Hst 403. Thesis. Hours to be arranged.

Hst 405. Reading and Conference. Hours to be arranged.

Readings and conferences with members of the staff. For honors students.

Hst 411. History of Greece. (G) 3 hours fall.

Political and cultural history of ancient Greece. Not offered 1948-49. 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. Not offered 1948-49. Breen.

Hst 417, 418, 419. Great Historians. (G) 3 hours each term.

Study of the works of the great writers of history from the time of the Greeks, with special emphasis on the historians of the nineteenth century. Not offered 1948-49.

Hst 420. Historical Method. (G) 2 hours.

Introduction to the method of historical research and history writing. Canoe.

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. Breen.

Hst 432. Reformation. (G) 3 hours spring.

The disruption of the Church in Western Europe, the Counterreformation, and the religious wars. 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. Wright.

Hst 437, 438, 439. Social and Economic History of Modern Europe. (G) 3 hours each term.

European economic development and its effects on society from the beginning of the modern era; fall: the commercial revolution, 1500-1750; winter: the industrial revolution, 1750-1850; spring: concentration of industry, 1850 to the present. Sorenson.

Hst 441, 442, 443. History of France. (G) 3 hours each term.

Fall: to the eighteenth century; winter: the Revolution, the Napoleonic era, the nineteenth-century monarchy; spring: from 1848 to the present. Prerequisite: senior standing or consent of instructor. Not offered 1948-49. Wright.

Hst 445. Europe since 1939. (G) 3 hours.

Origins and course of World War II; postwar developments in the European states. Wright.

Hst 446. Recent Germany. (G) 3 hours.

The German Empire, the republican experiment, 1918-33, the National Socialist regime, World War II and after. Wright.

Hst 447. Balkans in Recent Times. (G) 3 hours.

The Balkan states from 1878 to the present; social, political, and economic problems; the role of the Balkans in European international relations. Wright.

Hst 448. Tsarist Russia. (G) 3 hours.

Origins of the Russian state; growth of Russian institutions; rise of the revolutionary movement. Wright.

Hst 449. Soviet Union. (G) 3 hours.

The revolution of 1917; Russian domestic and foreign policies from 1917 to the present. Wright.

Hst 453, 454. Portuguese Empire and Brazil. (G) 3 hours each term.

The evolution of Portugal as a national state, and the building of her colonial empire in Africa, the Far East, and Brazil. The main emphasis is on Brazil from colonial times to the present. Weir.

Hst 463, 464, 465. British Dominions. (G) 3 hours each term.

History of the dominions, of India, and of the crown colonies. Prerequisite: 9 term hours in history or consent of instructor. Not offered 1948-49. Smith.

Hst 466. Tudor England. (G) 3 hours fall.

The political, social, economic, and intellectual development of England through the reigns of the Tudor sovereigns, 1485-1603. Smith.

Hst 468. England 1815-1870. (G) 3 hours winter.

Social, political, economic, and intellectual history of England from 1815 to 1870. Smith.

Hst 469. Recent England. (G) 3 hours.

Recent social, political, economic, and intellectual changes in Great Britain. Smith.

Hst 470, 471. Leading Americans. (G) 3 hours each term, fall and winter.

American leaders who have been outstanding in their periods. Not offered 1948-49. Ganoe.

Hst 473, 474. American Foreign Relations. (G) 3 hours each term.

The relations of the United States with other powers; the development of American foreign policies. Clark.

Hst 475, 476. History of the West. (G) 3 hours each term.

The American frontier. First term: the early American frontier; second term: the trans-Mississippi West. Clark.

Hst 477. History of the Pacific Northwest. (G) 3 hours.

Detailed study of the building of civilization in the Pacific Northwest. Required for graduate students planning to present theses in Oregon history. Prerequisite: Hst 201, 202 or consent of instructor. Clark, Ganoe.

Hst 478. History of Political Parties in the United States. (G) 3 hours.

Origin and history of political parties; issues, policies; changes in methods of nomination; presidential campaigns; minor parties. Prerequisite: 9 hours in United States history or consent of instructor. Not offered 1948-49. Clark.

Hst 479. Forces and Influences in American History. (G) 3 hours.

Geographic influences; influence of the frontier; inheritance and tradition; economic forces; nationalism; sectionalism; manifest destiny; democracy. Prerequisite: Hst 201, 202, 203 or consent of instructor. Not offered 1948-49.

Hst 483, 484, 485. Constitutional History of the United States. (G) 3 hours each term.

Origin of the Constitution; development of the national government since 1787. Ganoe.

Hst 486. Colonial North America. (G) 3 hours.

Advanced study of the establishment and development of European colonies in North America, with emphasis on the English colonies. Prerequisite: Hst 201 or consent of instructor. Ganoe.

Hst 487, 488, 489. American Economic History. (G) 3 hours each term.

All phases of the economic development of the United States. Ganoe.

Hst 494, 495, 496. History of China. (G) 3 hours each term.

Fall: from legendary times to the T'ang Dynasty (618-907); winter: from the Sung Dynasty (960-1276) to the "Second Treaty Settlement" of the Manchus in 1860; spring: 1860 to the present. Not offered 1948-49. Dull.

Hst 497, 498, 499. History of Japan. (G) 3 hours each term.

History of Japan, from its beginnings to the present. Dull.

GRADUATE COURSES

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

Hst 501. Research. Hours to be arranged.

Hst 503. Thesis. Hours to be arranged.

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

Hst 507. Seminar. Hours to be arranged.

European History. Breen, Wright.

English History. Smith.

American History. Clark, Ganoe.

History of the Pacific Northwest. Clark, Ganoe.

History of the Far East. Noble, Dull.

Department of Home Economics

PROFESSORS: MABEL A. WOOD (department head), LILLIAN E. TINGLE (emeritus).

ASSISTANT PROFESSOR: FAITH JOHNSTON.

INSTRUCTORS: FRANCES MANVILLE, RUTH NELSEN, FRANCES VAN VOORHIS, MARGARET WIESE.

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 funda-

mental requirements for upper-division standing fully met. Students wishing to complete at the University 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, clothing, and household-administration 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. Students taking HEc 111, 112, 113 must also take this sequence.

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 SERVICE 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.

Department of Mathematics

PROFESSORS: A. F. MOURSUND (department head), E. E. DeCOU (emeritus)*.

ASSOCIATE PROFESSORS: E. P. COOPER, W. J. DIXON, K. S. GHENT, I. M. NIVEN, T. S. PETERSON†, F. E. WOOD.

ASSISTANT PROFESSOR: PAUL CIVIN.

INSTRUCTORS: SHIRLEY ANDERSON, OLGA FREEMAN, ETHEL L. LAWRENCE, MARIE R. MASON, PEARL VAN NATTA.

FELLOW: W. G. SCOBERT.

ASSISTANTS: A. D. ANDERSON, HELEN S. CLUCAS†, CONSTANCE EDMISTER, W. M. GILBERT, C. K. LINK, H. C. NIELSON, CARL PRIDE, SHIRLEY A. RUBENSTEIN, P. R. SHERMAN.

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.

High-School Preparation for Major Work. Students intending to major in mathematics at the University should take high-school courses in algebra (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, provided that both Mth 101 and Mth 106 are not included. Any two of these courses, followed by 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, 101, 102; Mth 100, 101, 108; 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

* Deceased Oct. 15, 1947.

† On leave of absence 1947-48.

‡ Resigned March 20, 1948.

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 a 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); Statistics and Applied Economics (Ec 429); Logic (Phl 314, 315, 316); Development of Scientific Thought (Phl 414, 415, 416); 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 315). 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.

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. 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: Statistics and Applied Economics (Ec 429); Measurement of Economic Trends (Ec 469); Mathematical Economics (Ec 480, 481); Statistical Economics (Ec 482); Psychometrics (Psy 443); Advanced Business Statistics (BA 433); Educational Statistics (Ed 515, 516, 517). Mth 325, 326 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 pages 103-104).

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, graphic methods, and introduction to the simpler ideas of the calculus; logarithms and plane trigonometry; plane analytical geometry. Prerequisite: one and one-half years of high-school algebra or Mth 100.

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 101 or 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. Moursund, 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 315. Theory of Equations. 3 hours.

Methods of solution of algebraic equations and related topics. Prerequisite: calculus or Mth 314. 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, Peterson.

Mth 325, 326. Elements of Statistical Methods. 3 or 4 hours each term.

Tabulation and graphical presentation of statistical data; descriptive statistics, correlation; design of experiments, sampling theory, tests of significance, analysis of variance. Prerequisite: one year of high-school algebra or equivalent. Students registered for 4 hours must have completed Mth 105 or or equivalent. Dixon.

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. Ghent, Moursund.

Mth 405. Reading and Conference. Hours to be arranged.**Mth 412. Higher Algebra.** (G) 3 hours.

Determinants, linear dependence, matrices, linear transformations, invariants, quadratic forms, and other topics selected to meet the needs of the students. Prerequisite: calculus and Mth 315. Ghent, Niven.

Mth 413. Theory of Numbers. (G) 3 hours.

Integers, Euclid's algorithm, fundamental theorem of arithmetic, Diophantine equations, Euler's ϕ function, congruences, residues, quadratic forms. Prerequisite: calculus, 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. Differential Equations. (G) 3 hours each term.

A practical study of the solution of ordinary and partial differential equations. Prerequisite: calculus. Civin, Peterson.

Mth 427. Advanced Statistical Method. (g) 3 hours.

Modern procedures for efficient analysis of statistical investigations, including sampling methods used in opinion and population studies and in sequential analysis. Special problems adapted to the needs of students. Prerequisite: Mth 325, 326. Dixon.

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. Moursund, Peterson.

Mth 447, 448, 449. Mathematical Statistics. (G) 3 hours each term.

Distribution functions, correlation theory, curve fitting, classical sampling theory, tests of significance, statistical inference. Prerequisite: calculus; Mth 325, 326, Mth 427 or equivalent. Dixon.

Mth 451. Vector Analysis. (G) 3 hours.

Application of gradient, divergence, and curl to irrotational and solenoidal vectors. Scalar and vector potentials, including harmonic functions and their physical applications. Prerequisite: calculus; Ph 201, 202, 203. Peterson.

GRADUATE COURSES

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

Mth 503. Thesis. Hours to be arranged.

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

Mth 507. Seminar. Hours to be arranged.

Algebra. Ghent, Niven.

Differential Geometry. Peterson.

Fourier Series and Summability. Civin, Moursund.

Integral Equations. Peterson.

Probability and Statistics. Dixon.

Topology. Civin.

Mth 511, 512, 513. Theoretical Mechanics. 3 hours each term.

Lagrange's equations; Hamilton's principles and equations; potential theory; applications to gravitation, hydrodynamics, and theory of elasticity. 3 lectures. Cooper.

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, Peterson.

Mth 561, 562, 563. Advanced Mathematical Statistics. 3 hours each term.

Distribution and sampling theory; estimation; tests of hypotheses; regression; analysis of variance; combinational theory; multivariate analysis.

Mth 571, 572, 573. Topology. 3 hours each term.

Topological spaces, metrizability, continuous transformations, mapping theorems, cyclic element theory, Jordan curve theorem, semicontinuous collections. Civin.

Department of Nursing Education

PROFESSOR: HENRIETTA DOLTZ (director of department).

ASSISTANT PROFESSOR: OLIVE A. SLOCUM.

THE preparatory nursing curriculum offered by the University on the campus in Eugene is devoted chiefly to general and basic subjects in preparation for professional work at the University of Oregon Medical School and in its hospitals and clinics. This program is under the administrative juris-

diction of the dean of the College of Liberal Arts. For the preparatory curriculum, see page 91.

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.

Present aims and problems of nursing at home and abroad. Open only to registered nurses. Slocum.

Department of Philosophy

PROFESSORS: H. G. TOWNSEND (department head), A. R. MOORE.*

ASSISTANT PROFESSORS: B. E. JESSUP, C. J. SULLIVAN.

THE lower-division sequence in philosophy is 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 degree. Before obtaining his degree a student majoring in philosophy will be expected to study the chief works of a representative number of the following authors, whether or not they are read in formal courses: Plato, Aristotle, Augustine, Aquinas, Descartes, Leibnitz, Spinoza, Hobbes, Locke, Berkeley, Hume, Kant, Hegel, and Schopenhauer.

LOWER-DIVISION COURSES

Phl 201, 202, 203. Introduction to Philosophy. 3 hours each term.

The three numbers correspond to three parts of a unified year sequence, but are scheduled so that they may be taken in any order. Phl 201, elementary problems of knowledge; Phl 202, philosophy of nature; Phl 203, valuation and conduct. Jessup, Sullivan.

UPPER-DIVISION COURSES

Phl 314, 315, 316. Logic. 2 hours each term.

The forms and methods of knowledge, the problems of inference, the nature of evidence, scientific method, and the function and limits of human understanding. Prerequisite: Phl 201. Townsend.

Phl 321, 322, 323. Ethical and Political Theory. 3 hours each term.

An inquiry into the nature of value and value systems; critical and historical study of representative ethical and political theories and forms of political organization. Sullivan.

* Retirement effective June 30, 1948.

- Phl 331, 332, 333. Philosophy in America.** 2 hours each term.
Survey of philosophical history in America from colonial times to the present. Puritanism, transcendentalism, idealism, pragmatism, and realism. Townsend.
- Phl 341. The Rise of Experimental Science.** 2 hours.
Lectures, readings, and examination on selected topics in the history of modern science. Moore, staff.
- Phl 342. Reason and Human Nature.** 2 hours.
Lectures, readings, and examination on the changing concepts of reason and its place in human life. Townsend, Sullivan, staff.
- Phl 343. Man and Metaphysics.** 2 hours.
Some historical aspects of man's search for a satisfactory world hypothesis. Townsend, staff.
- Phl 351, 352, 353. 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. Philosophy and Literature.** (G) 2 hours each term.
The philosophical backgrounds of the literature of modern Europe and America. Jessup.
- Phl 414, 415, 416. Development of Scientific Thought.** (g) 3 hours each term.
Preliminary study of classical and mediaeval beginnings, with thorough consideration of renaissance and modern scientific thinking. Influence of science on contemporary thought in art and literature. Moore.
- Phl 421, 422, 423. 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 431, 432, 433. History of Philosophy.** (g) 3 hours each term.
Survey of European thought from its Greek beginnings to the present. Townsend.

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: A. E. CASWELL (department head), W. V. NORRIS.

ASSOCIATE PROFESSORS: E. P. COOPER, E. G. EBBIGHAUSEN, F. W. PAUL.

INSTRUCTORS: R. C. ANDREWS, P. A. GOLDBERG, L. A. WEBB.

ASSISTANTS: E. D. CLAYTON, D. J. DONAHUE, ELGEON L. JOHNSON, W. E. LOTZ, JR., E. B. NEHER, JR., R. S. PAUL, F. W. WOOD, R. W. ZAHLER.

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:

Freshman Year—General Physics (Ph 201, 202, 203); College Algebra (Mth 105), Plane Trigonometry (Mth 106), Analytical Geometry (Mth 200), or equivalent.

Sophomore Year—Physics of Matter (Ph 321); Analytical Mechanics (Ph 322, 323); Differential and Integral Calculus (Mth 201, 202, 203); General Chemistry (Ch 201, 202, 203).

Junior and Senior Years—Physics of Electricity (Ph 431, 432, 433); Radiation Physics (Ph 441, 442, 443); Physical Chemistry (Ch 440, 441, 442).

If the student elects additional work in physics during his junior and senior years, Thermodynamics and Chemical Physics (Ph 451, 452, 453) is recommended. Upper-division physics majors are advised to take advanced courses in mathematics—Differential Equations (Mth 421, 422, 423) and Vector Analysis (Mth 451) are especially recommended—and additional advanced work in chemistry. Other recommended electives are: History of Western Civilization (Hst 101, 102, 103) or other social-science sequences; Principles of Cost Accounting (BA 212); Business Law (BA 416, 417, 418); and basic courses in foreign languages.

Students planning to teach in the secondary schools must take General Psychology and required courses in education (see SCHOOL OF EDUCATION).

Requirements for Master's Degree. 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), Differential Equations (Mth 421, 422, 423), or Functions of a Complex Variable (Mth 554, 555, 556).

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 100. 2 lectures; 1 two-hour laboratory period. F. W. Paul.

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. F. W. Paul.

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, Goldberg, Webb.

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.

Ph 296. Practical Astronomy. 3 hours.

Determination of time, latitude, longitude, and azimuth by astronomical methods. Prerequisite: Ph 208 and trigonometry. 1 lecture; 2 observation periods.

UPPER-DIVISION COURSES

Ph 321. Physics of Matter. 4 hours fall.

Atomic and molecular physics; introduction to nuclear physics; physics of solids, rheology; heat and thermodynamics. Must be preceded by or accompanied by calculus. 3 lectures; 1 three-hour laboratory period. Cooper.

Ph 322, 323. Analytical Mechanics. 4 hours each term, winter and spring.

Statics, dynamics of a particle, dynamics of rigid bodies. Must be preceded by or accompanied by calculus. 4 lectures. Cooper.

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. Advanced General Physics. (g) 3 hours each term.

Intensive treatment of dynamics, thermodynamics, alternating currents, electron physics, optics. Prerequisite: Ph 201, 202, 203; Mth 201, 202, 203. 2 lectures; 1 three-hour laboratory period.

Ph 431, 432, 433. Physics of Electricity. (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. Caswell, Goldberg.

Ph 441, 442, 443. Radiation Physics. (g) 4 hours each term.

Sound; supersonic radiation; wave and quantum properties of radio waves, microwaves, infrared rays, visible and ultraviolet radiation, X-rays, and gamma rays; spectroscopy and X-ray diffraction, electron optics. 3 lectures; 1 three-hour laboratory period. Ebbighausen.

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. Caswell.

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.

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.
Nuclear Physics.
Physics of Solids.

Ph 511, 512, 513. Theoretical Mechanics. 3 hours each term.

Lagrange's equations; Hamilton's principles and equations; potential theory; applications to gravitation, hydrodynamics, and theory of elasticity. 3 lectures. Cooper.

Ph 520. Advanced Thermodynamics. 4 hours.

Advanced thermodynamics, relation of thermodynamics to statistical mechanics, application to specific heats, properties of steam, and radiation. 4 lectures. Cooper.

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; electron and magneto-optics. 3 lectures.

Ph 531, 532. Quantum Mechanics. 4 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. 4 lectures. Cooper.

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. Cooper.

Department of Political Science

PROFESSORS: J. D. BARNETT (emeritus), E. L. JOHNSON, C. P. SCHLEICHER,
WALDO SCHUMACHER.

ASSOCIATE PROFESSOR: HERMAN KEHRLI.

ASSISTANT PROFESSORS: H. E. DEAN, P. S. DULL, L. D. EPSTEIN.

ASSISTANTS: A. D. BARRE, JR., G. R. PEDERSON, D. O. POTTER.

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 curriculum of the Department of Political Science is 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). Majors in political science are required to complete PS 201, 202, 203. Students who plan to take the upper-division sequence in comparative governments (PS 326, PS 327, PS 328) are advised not to register for PS 204; students who plan to take upper-division work in international relations (PS 418, PS 419, PS 442) are advised not to register for 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) 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.

The department offers graduate work leading to the Master of Arts or Master of Science degree with a major in political science.

LOWER-DIVISION COURSES

PS 201, 202, 203. American Governments. 3 hours each term.

Fall and winter: national government. Spring: state and local governments. Dean, Epstein, Schleicher, Schumacher.

PS 204. European Governments. 3 hours fall 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. Epstein.

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. Schleicher.

UPPER-DIVISION COURSES

PS 311. Elementary Law. 4 hours fall.

A general introduction to the law for nonprofessional students.

PS 314. State and Local Governments. 4 hours fall.

Organization and operation of state governments, counties, townships, school districts, and various types of utility districts, with special attention to conditions in Oregon.

PS 315. City Government. 4 hours winter.

Organization and operation of city government, with special attention to contemporary reforms in the United States.

PS 326. Comparative Government: British. 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. Schumacher.

PS 327. Comparative Government: Democratic. 3 hours winter.

Study of democratic governmental forms, with particular reference to the British Commonwealth, France, Scandinavia, and Switzerland. Schumacher.

PS 328. Comparative Government: Nondemocratic. 3 hours spring.

Study of the organization and functioning of the present nondemocratic and one-party states, with brief attention to prewar systems in Germany and Italy. Schleicher.

PS 330. Governments of the Far East. 3 hours fall.

Analysis of the nature and significance of the political institutions and internal political problems of the countries of the Far East, with special reference to China, Japan, and the Philippines. Dull.

PS 331. Far Eastern International Relations. 3 hours winter.

Study of the international contacts of Far Eastern states, principally Japan and China, with each other and with the West; related political problems. Dull.

PS 332. Far Eastern Policy of the United States. 3 hours spring.

Study and analysis of the principles of the Far Eastern foreign policy of the United States, with particular reference to Japan, China, and Asiatic Russia; analysis of the problems which the United States must consider in developing its postwar policies in the Far East. 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 411, 412. Principles of Public Administration.** (G) 3 hours each term, fall and winter.

General principles of administrative organization, public budgeting, personnel management, purchasing, and reporting, with special reference to the Federal government and to selected governmental agencies in Oregon. Epstein.

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 418. World Politics. (G) 4 hours winter.

Political and economic realities affecting international interdependence, conflict, and cooperation. Schleicher.

PS 419. International Organization. (G) 4 hours spring.

The United Nations organization, the League of Nations, the World Court, and other types of international organization for the promotion of peace and concert among nations. Schleicher.

PS 421. Public Opinion. (G) 4 hours winter.

Study of the methods of formation and control of public opinion. Schumacher.

PS 425. The Executive in American Government. (G) 4 hours spring.

Study of the growing importance 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. Epstein.

PS 427. 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 431. History of European Political Theory.** (G) 3 hours fall.
The development of political theories from the time of the Greeks to the French Revolution. Dean.
- PS 432. Modern Political Theory.** (G) 3 hours winter.
The leading political philosophies in the Western world from the French Revolution to the present. Dean.
- PS 433. History of American Political Theory.** (G) 3 hours spring.
The development of American political theories from early colonial days to the present. Dean.
- PS 442. International Law.** (G) 4 hours spring.
Principles of international law. Schumacher.
- PS 450. City Administration.** (G) 2 hours fall.
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 451. Public Personnel Administration.** (G) 3 hours spring.
Study of the most important aspects of public personnel administration, with special projects. The role of the "bureaucracy;" problems and methods of recruiting good personnel, providing for their placement and career opportunities within the service, and maintaining responsibility, competence, morale, and efficiency. Prerequisite: PS 411, 412. Johnson.
- PS 452. Public Planning.** (G) 3 hours spring.
A study of recent developments in state, regional, and national planning, with attention to selected problems of administration. Epstein.
- PS 484, 485. Constitutional Law.** (G) 3 hours each term, winter and spring.
Study of the Federal Constitution as interpreted by the courts. Chiefly a discussion of leading cases. Epstein.
- 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. Schleicher, Dull.

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), A. R. MOORE*.

ASSOCIATE PROFESSORS: L. F. BECK, J. V. BERREMAN, H. R. CROSLAND, R. W. LEEPER, LEONA TYLER.

ASSISTANT PROFESSORS: J. S. CARLSON, H. C. MCMURTRY.

ASSISTANTS: LOUISE H. BROWN, ALAN BUTTON, M. J. PHIPPS, MARGIE C. ROBINSON, MARY J. SARGENT, C. C. WILCOX.

* Retirement effective June 30, 1948.

LOWER-DIVISION courses in psychology are intended to prepare for major work in the field, and to provide an introduction to psychology as a part of the cultural education or professional training of nonmajor students.

Courses in psychology in which the student earns a grade of D may not be counted toward the satisfaction of the 36-hour requirement for a major in psychology, unless the student's average in all courses taken in psychology is C or better. A maximum of 6 term hours of work in allied fields may be counted toward the satisfaction of the major requirement, if approved by the department as relevant to the student's major program.

Entering students who plan to major in psychology are advised to register for Biological-Science Survey (GS 101, 102, 103) or Background of Social Science (SSc 101, 102, 103) during their freshman year. They should also take, during their lower-division years, courses in college mathematics as preparation for upper-division work in statistics.

A minimum of 9 term hours of lower-division work in psychology (including Psy 201, 202) is an indispensable prerequisite to all upper-division courses in the field. Not more than 12 term hours in lower-division psychology courses may be counted toward the major.

In his major work in psychology, a student may follow any one of five patterns of study:

Psychology (General)—Required: Genetic Psychology (Psy 411); Adolescence, Maturity, and Senescence (Psy 412); Abnormal Psychology (Psy 413).

Psychology (Professional)—Required: General Psychology Laboratory (Psy 208, 209, 210) or equivalent laboratory training in a biological or physical science; Advanced Experimental Psychology (Psy 451, 452, 453); at least one experimental project (Psy 401 or Psy 403). Recommended: Systematic Psychology (Psy 421, 422, 423); Elements of Statistical Methods (Mth 325, 326).

Applied Psychology—Required: Elements of Statistical Methods (Mth 325, 326); Individual Differences (Psy 341, 342); Industrial Psychology (Psy 462); Personnel Procedures (Psy 464). Recommended: Clinical Methods in Psychology (Psy 431, 432); Counseling Procedures (Psy 433); Psychometrics (Psy 443, 444, 445).

Child Guidance—Required: Genetic Psychology (Psy 411); Adolescence, Maturity, and Senescence (Psy 412); Abnormal Psychology (Psy 413); Clinical Methods in Psychology (Psy 431, 432). Recommended: Motivation (Psy 465); Conditioning (Psy 467); Trial-and-Error Learning (Psy 468); Ideational Learning (Psy 469).

Physiological Psychology—Required: Genetic Psychology (Psy 411); Adolescence, Maturity, and Senescence (Psy 412); Abnormal Psychology (Psy 413); Introduction to General Physiology (Bi 491); Physiological Foundations of Behavior (Psy 492, 493). Recommended: Advanced Experimental Psychology (Psy 451, 452, 453).

The department has excellent facilities for psychological research. The University Library contains unusually extensive and complete files of the psychological journals.

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. Beck, Crosland, Leeper, McMurtry, 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. Leeper.

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, McMurtry, Taylor.

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

Introduction to experimental methods. Laboratory work coordinated with Psy 201, 202, Psy 204, Psy 205. 1 laboratory period each week. Beck, McMurtry.

UPPER-DIVISION COURSES

A lower-division year sequence in psychology or equivalent is an indispensable prerequisite to all upper-division courses.

Psy 334, 335. Social Psychology. 3 hours each term, fall and winter.

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.

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. Tyler.

Psy 401. Research. Hours to be arranged.

Special individual work on a selected problem; training in methods of research.

Psy 403. Thesis. Hours to be arranged.

Undergraduate thesis work; recommended for majors; required for students following the professional pattern of study.

Psy 405. Reading and Conference. Hours to be arranged.

Reading arranged for 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. Beck.

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. Tyler.

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. Beck.

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. Beck.

Psy 421, 422, 423. Systematic Psychology. (G) 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. Not offered 1948-49. Leeper.

Psy 431, 432. Clinical Methods in Psychology. (G) 3 hours each term, fall and winter.

Administering, scoring, and interpreting individual and group tests of intelligence, special aptitude, and personality. Essential statistical procedures. Training in diagnosis of actual cases. Tyler.

Psy 433. 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. Tyler.

Psy 434. 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 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 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 325, 326; or Ed 515; or equivalent. Tyler.

Psy 451, 452, 453. Advanced Experimental Psychology. (G) 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.

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 325, 326; or Ed 515. Not offered 1948-49. 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 325, 326; or Ed 515. Not offered 1948-49. Taylor.

Psy 461. Psychology of Testimony. (G) 3 hours fall.

Psychological analysis of the reliability of testimony and proof of guilt. Not offered 1948-49. 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 325, 326; 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 325, 326; 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 325, 326; 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 in animal behavior, and the contributions of topological psychology. Not offered 1948-49. Leeper.

Psy 467. Conditioning. (G) 2 hours fall.

Study of the experimental literature on conditioned responses; the significance of conditioning for theories of learning and for practical problems of emotional habits and social attitudes. Leeper.

Psy 468. Trial-and-Error Learning. (G) 2 hours winter.

Problem solving in its simplest form, overt trial-and-error learning; the development of skills important in industry, athletics, and music. Implications for general learning theory. Leeper.

Psy 469. Ideational Learning. (G) 2 hours spring.

Study of experimental and theoretical literature on memorizing, problem-solving thinking, and creative thinking. 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. Not offered 1948-49. 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 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. Moore.

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.

Reports of original investigations by students and staff members; reviews of current research in related fields.

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. Beck.

Experimental Psychology. Crosland.

Genetic Psychology. Beck.

Individual Differences. Taylor.

Social Psychology. Leeper.

Psy 508. Seminar (Biopsychology). 1 to 3 hours each term.

Given in a three-year cycle, with a different topic each year. Discussion of literature and experimental techniques. Moore.

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, and generalization to 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 535. Supervised Counseling. 3 hours.

Practical clinical experience with counseling agencies appropriate to individual interests, experience, and vocational plans. Prerequisite: Psy 433 or Psy 434. Tyler.

Department of Religion

PROFESSOR: P. B. MEANS (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. The instruction is planned in accordance with the same standards of authoritative scholarship recognized in other departments of the institution.

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 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. Means.

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. Means.

UPPER-DIVISION COURSES

R 322. Psychology of Religion. 3 hours winter.

A study of the psychology of various forms of religious behavior. Means.

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. Means.

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. Means.

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. Means.

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. Means.

Department of Sociology

PROFESSOR: E. H. MOORE (department head).

ASSOCIATE PROFESSORS: J. V. BERREMAN, J. M. FOSKETT.

ASSISTANT PROFESSOR: J. R. PARSONS.

INSTRUCTOR: W. T. MARTIN.

ASSISTANTS: NORMA E. GRANSTROM, DAISY KING, R. G. ULREY, MARY L. WASMANN.

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. Particular attention is paid to public attitudes and habits of mind, to characteristic reactions to public events and social institutions, and to contemporary social problems.

The basic sequence in General Sociology (Soc 204, 205, 206) is prerequisite to most of the advanced courses in the field. Introduction to Social Research (Soc 327, 328) is required for a major in sociology. Students anticipating graduate work or research in the field are advised to take college algebra (Mth 100) and Elements of Statistical Methods (Mth 325, 326). Majors, including those interested in the field of social work, should consult their advisers in the Department of Sociology concerning additional requirements and recommended courses.

LOWER-DIVISION COURSES

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

Fall and winter: the basic findings of sociology concerning the individual, culture, group life, social institutions, and factors of social change. Spring: analysis of major social problems in terms of the basic concepts developed during the first two terms. 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 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, fall and winter.

Analysis of the psychological and sociological processes involved in person-

ality 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.

Soc 336. Social Control. 3 hours spring.

Techniques and agencies by which the behavior of crowds, classes, associations, and publics is controlled. Prerequisite: Soc 204, 205, 206. Berreman.

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.

Soc 340, 341, 342. Social Work and Public Welfare. 4 hours each term.

Fall: history and current philosophies of social work; 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: problems of child welfare; the child as seen in his own home and in the substitute home; the responsibilities of the state for children, historically and in current practices. The work of any term may be taken independently. Parsons.

Soc 403. Thesis for Honors Candidates. Hours to be arranged.

Soc 405. Reading and Conference. 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 programs and rehabilitating agencies. Prerequisite: Soc 204, 205, 206 or Psy 201, 202. 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: community organization in terms of social participation, institutions, and associations; planning and carrying out community surveys. Winter: ecological factors and forces which determine the spatial distribution of people and institutions; patterns of community growth and structure. Spring: similarities and differences in urban and rural organization; influence of mobility and land policies in the development of each. The work of any term may be taken independently. Prerequisite: Soc 327, 328 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. Moore.

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. Moore.

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. Foskett.

GRADUATE COURSES

Courses numbered 400-499 and designate (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.

Department of Speech

PROFESSOR: R. C. McCALL (department head).

ASSOCIATE PROFESSORS: W. A. DAHLBERG, R. D. CLARK, OTTILIE T. SEYBOLT, K. S. WOOD.

ASSISTANT PROFESSORS: K. E. MONTGOMERY, E. R. NICHOLS, JR., H. W. ROBINSON, D. G. STARLIN.

INSTRUCTORS: J. E. BAIRD, C. B. INGRAM, G. M. WILLIAMS.

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 in communicating 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-Correction and Hearing Clinic (see page 62).

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 Theater Workshop (Sp 261, 262, 263).

(3) At least 5 term hours selected from: Radio Program Production (Sp 344, 345, 346), Radio Workshop (Sp 341, 342, 343).

(4) Phonetics (Sp 372); Speech Science (Sp 371) or Speech Defects and Disorders (Sp 471).

(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.

Emphasis on the following basic skills: adjustment to the speech situation, symbolic formulation and expression, phonation and articulation. Projects in extempore speaking, discussion, oral reading, and interpretation. After the first term, students will be sectioned according to needs and interests.

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. Montgomery, Seybolt.

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

The application of the principles of oral reading to literature. Nichols, Seybolt.

Sp 221. Public Discussion. 2 hours winter or spring.

Preparation of speeches for delivery before public audiences. Baird, Montgomery, Nichols.

Sp 241. Survey 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 261, 262, 263. Theater Workshop. 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.

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 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. Clark, Dahlberg, Montgomery, Nichols.

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. Clark, Dahlberg, 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. Montgomery, Nichols.

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. Starlin.

Sp 344, 345, 346. 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 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, Seybolt.

Sp 361, 362, 363. Stage Design. 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.

Sp 364, 365, 366. Play Production. 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. Direction of School and Community Plays. 3 hours spring.

Designed primarily to familiarize teachers with the elementary problems of play production. Seybolt.

Sp 371. Speech Science. 3 hours any term.

An introductory study of the nature of the speech process, with emphasis on the physiological, social, and psychological aspects of speech. Wood.

Sp 372. 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. Wood.

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, Montgomery.

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 464, 465, 466. **History of the Theater.** (G) 3 hours each term.

An historical study of the theater from ancient to modern times. Prerequisite: consent of instructor. Starlin.

Sp 471, 472. **Speech Defects and Disorders.** (G) 3 hours each term.

Fall: speech defects and voice science; winter: neurological speech disorders. Prerequisite: Sp 371, Sp 372. Wood.

Sp 473. **Clinical Methods in Speech Correction.** (G) 3 hours each term.

Study and demonstration of the clinical methods and procedures for the treatment of speech disorders. Lectures, class demonstrations, and reading review. Wood.

Sp 474, 475, 476. **Clinical Practice in Speech Correction.** (G) 2 hours each term.

Application of theories and methods of speech therapy. Students with defective speech may enter the clinic for correction of defects, but may not receive credit. Prerequisite: consent of instructor. 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.

Bureau of Municipal Research and Service

HERMAN KEHRLI, M.A. Director

ARNOLD M. WESTLING, B.S. Planning Consultant

RICHARD M. SEIFERT, M.S. 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.

School of Architecture and Allied Arts

SIDNEY WAHL LITTLE, M.Arch., Dean of the School of Architecture and Allied Arts.

RETA WILMA RIDINGS, B.A., B.S. in L.S., Art and Architecture Librarian.

EILEEN RUDD, Secretary.

PROFESSORS: F. T. HANNAFORD, S. W. LITTLE, A. M. VINCENT.

ASSOCIATE PROFESSORS: VICTORIA AVAKIAN, W. S. BALDINGER, EYLER BROWN, F. A. CUTHBERT, BROWNELL FRAISER, W. S. HAYDEN, MAUDE I. KERNS (emeritus), T. O. REYNER, M. D. ROSS.

ASSISTANT PROFESSORS: K. J. BELSER, G. S. JETTE, DAVID MCCOSH, W. B. McGEHEE, JACK WILKINSON.

INSTRUCTORS: LYNN ALEXANDER, C. W. ENDICOTT*, C. B. RYAN, M. R. SPONENBURGH.

ASSISTANTS: MARIJANE E. APPLING, D. LU S. BARTHOLICK, ROBERT HANRAHAN, LUCILLE WIRTH.

THE School of Architecture and Allied Arts offers instruction leading to baccalaureate and advanced degrees in architecture, interior design, landscape architecture, drawing and painting, sculpture, art education, and general art. The organization of instruction in these fields in an integrated school, without formal departmentalization, offers unusual opportunities for cooperative teaching and for bringing the resources and insights of the several arts to bear on common problems of design. The several major programs are planned to take full advantage of these opportunities. Students in all fields begin their professional studies in their freshman year with a one-year sequence in Basic Design (AA 195), which is planned and taught cooperatively by all members of the school faculty. Following this basic common year, each student begins work in a selected field of professional interest.

Students seeking admission with advanced standing are required to exhibit their work or take an examination before transfer of credit is granted.

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, an art library, and staff offices.

Students supply their own instruments and drawing materials. Supplies are obtainable within the building, at a branch store maintained by the University Cooperative Store. The school supplies desks, easels, and drawing boards. All work done in class by students is the property of the School of Architecture and Allied Arts unless other arrangements are made with the instructor.

Degrees and Curricula. The following major curricula are offered: a five-year curriculum in architecture, leading to the Bachelor of Architecture degree; a five-year curriculum in interior design, leading to the degree of Bachelor of

* Resigned Dec. 31, 1947.

Interior Architecture; a five-year curriculum in landscape architecture, leading to the Bachelor of Landscape Architecture degree; four-year curricula, leading to the Bachelor of Arts or Bachelor of Science degree, in drawing and painting, sculpture, art education, and general art.

The following regulations govern the professional curricula leading to the degrees of Bachelor of Architecture, Bachelor of Interior Architecture, and Bachelor of Landscape Architecture:

(1) A student may obtain each year credits in excess of those called for in the curricula, 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 major curricula, and must have satisfied all University requirements for graduation, including required courses in physical education, military science, and health education. At least one year of residence is required.

(3) A student may take 3 hours of elective subjects each term in addition to the electives scheduled in the curricula, provided his record for the preceding years shows no grade below C.

(4) The five-year curricula are 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 satisfactorily complete complete 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.

Work leading to the following advanced degrees is offered under the direction of the Graduate School and the School of Architecture and Allied Arts: Master of Science (scholastic); Master of Arts (scholastic); Master of Architecture (technical); Master of Fine Arts (creative); Master of Landscape Architecture (technical). At least one year of resident work after satisfaction of requirements for the bachelor's degree is required for a master's degree. For further information concerning graduate study see GRADUATE SCHOOL.

Architecture. Following the first year of basic preparation required of all majors in the School of Architecture and Allied Arts, majors in architecture begin more-specialized professional studies in their sophomore year. Through a continuous series of short problems and correlated professional courses, the student becomes familiar with the more-elementary factors in architecture.

At the beginning of the third year, the student chooses one of two options, the design option or the structural option. Both options lead to the degree of Bachelor of Architecture. The courses are arranged to make possible a change of option any term during the third year.

The design option stresses problems involving particular site situations and specific space provisions, in relation to the needs of society and the individual. The structural option stresses the technical phases of architecture, with emphasis on the relation of structure to design. In both options, problems of increasing complexity are presented during the fourth and fifth years, leading to a final problem executed during the last two terms of the fifth year.

The method of instruction is predominantly through a combination of conference and clinical discussion, in which the entire architecture faculty participates. All problems are assigned individually. Great emphasis is placed on integrity of thought and expression, on stimulation of a spirit of cooperation, and on development of individuality.

Although the architecture options are both normally five-year programs, more or less time may be needed for completion of the work, depending on the individual student's preparation and ability. Credits are determined according to the

amount of work accomplished. Each problem is assigned a definite credit value. For regulations governing the curriculum, see page 158.

Interior Design. Instruction in interior design is closely correlated with work in architectural design, landscape design, and the related arts. The lower-division curriculum differs little from the lower-division curriculum in architecture, with the exception of an introductory course in the basic design elements for interiors. Electives allow the student in his five-year program to take work in the field of art history, painting, sculpture, weaving, and ceramics, which broadens his appreciation and gives him adequate background for his professional degree. In the three years of upper-division work, the student is assigned 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 carried on by means of individual criticism and lectures by members of the faculty. The student works in the same drafting room and is closely associated with students and instructors in architecture and landscape design. For regulations governing the curriculum, see page 158.

Landscape Architecture. The five-year curriculum offers professional training in the field of landscape design. Landscape-architecture majors work in the same drafting rooms with architecture students and, from the beginning of their professional training, are closely associated with co-workers in related arts. Advanced work in landscape design is integrated with architectural design through collaborative problems in regional and city planning. Field trips for study of plant materials are a regular part of the instructional program. For regulations governing the curriculum, see page 158.

Drawing and Painting. The aim of the instruction in drawing and painting is to provide the technical training necessary for individual expression and for an appreciative understanding of the visual arts. The special interests of students (landscape, portraiture, mural, illustration, commercial applications, etc.) are recognized and encouraged. All teaching is through individual criticism. The student works at his easel or drawing board on his particular problem, and receives individual attention and help from the instructor. The curriculum includes work in design, life, anatomy, and composition.

Sculpture. The four-year curriculum includes an integrated series of courses in sculpture, with supporting work in the other arts. Lower-division courses in painting, drawing, and design are included to strengthen the student's understanding of general art before consideration of advanced technical and professional problems. All work is executed in the sculpture studios under the personal direction of the instructor.

Art Education. The four-year curriculum in art education leads to the B.A. or B.S. degree and to a provisional Oregon state teacher's certificate. The aim of the curriculum is to prepare students for the supervision and teaching of art in the junior and senior high schools. The courses are designed to develop appreciation of the arts, original self-expression in design, and an understanding of the processes of the applied arts and crafts.

A fifth year of college 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.

General Art. The curriculum in general art is planned for students who do not intend to become professional architects or artists, but who are interested in

the various arts and crafts as a part of a liberal education. It is also suited to the needs of students who wish a general training in the arts as a foundation for specialization in textile, costume, and stage design.

Curricula in Architecture and Allied Arts

*Architecture (Design Option, Structural Option)—Interior Design—Landscape Architecture
Drawing and Painting—Sculpture—Art Education—General Art*

Curriculum in Architecture

(Design and Structural Options)

B.Arch. Degree

MR. HAYDEN and MR. HANNAFORD, Advisers

First Year

	Term hours		
	F	W	S
Basic Design (AA 195)	2	2	2
Essentials of Physics (Ph 101, 102, 103)	3	3	3
Mathematics (Mth 105, 106, 200 or Mth 101, 102, 103)	4	4	4
English Composition (Rht 111, 112, 113)	3	3	3
Graphics I (AA 111, 112, 113)	2	2	2
Military Science (men) or Health Education (women)	1	1	1
Physical Education	1	1	1
	16	16	16

Second Year

Lower-Division Design (AA 297)	3	3	3
Graphics II (AA 211, 212, 213)	2	2	2
Lower-Division Drawing (AA 291)	2	2	2
Social Science (group requirement)	3	3	3
Survey of Visual Arts (AA 114, 115, 116)	3	3	3
Construction I (AA 220, 221, 222)	2	2	2
Military Science (men)	1	1	1
Physical Education	1	1	1
	17	17	17

DESIGN OPTION

Third Year

Upper-Division Architectural Design (AA 497)	4	4	4
Construction II (AA 318, 319)	3	3	3
Surveying for Architects (AA 317)	—	—	3
Construction III (AA 369, 370, 371)	3	3	3
Upper-Division Drawing (AA 491)	2	2	2
History of Architecture I (AA 337, 338, 339)	3	3	3
Electives	2	2	2
	17	17	17

Fourth Year

Upper-Division Architectural Design (AA 497)	6	6	6
Construction IV (AA 417, 418, 419)	2	2	2
Construction V (AA 469, 470, 471)	3	3	3
History of Architecture II (AA 340, 341, 342)	2	2	2
City Planning I (AA 353, 354, 355)	2	2	2
Electives	2	2	2
	17	17	17

Fifth Year

Upper-Division Architectural Design (AA 497)	8	8	8
History of Architecture III (AA 440, 441, 442)	1	1	1
Architectural Physics (Ph 369, 370, 371)	1	1	1
Construction VI (AA 420, 421, 422)	2	2	2
Architectural Practice (AA 329, 330, 331)	1	1	1
Electives	3	3	3
	16	16	16

STRUCTURAL OPTION

Third Year

	Term hours		
	F	W	S
Upper-Division Architectural Design (AA 497)	3	3	3
History of Architecture I (AA 337, 338, 339)	3	3	3
Construction II (AA 318, 319)	3	3	—
Surveying for Architects (AA 317)	—	—	4
Construction III (AA 369, 370, 371)	4	4	4
Mathematics (Mth 201, 202, 203)	4	4	4
	17	17	17

Fourth Year

Upper-Division Architectural Design (AA 497)	3	3	3
History of Architecture II (AA 340, 341, 342)	2	2	2
City Planning I (AA 353, 354, 355)	2	2	2
Construction IV (AA 417, 418, 419)	2	2	2
Construction V (AA 469, 470, 471)	4	4	4
Electives	3-4	3-4	3-4

Fifth Year

Upper-Division Architectural Design (AA 497)	6	6	6
History of Architecture III (AA 440, 441, 442)	1	1	1
Architectural Practice (AA 329, 330, 331)	1	1	1
Architectural Physics (Ph 369, 370, 371)	1	1	1
Construction VI (AA 420, 421, 422)	2	2	2
Construction VII (AA 472, 473, 474)	2	2	2
Electives (outside School of A.A.A.)	2-3	2-3	2-3
Electives (in School of A.A.A.)	2	2	2
	17-18	17-18	17-18

Curriculum in Interior Design

B.I.Arch. Degree

MISS FRASIER, Adviser

First Year

Basic Design (AA 195)	2	2	2
Group requirement (psychology with lab.)	4	4	4
Graphics I (AA 111, 112, 113)	2	2	2
Group requirement (anthropology)	3	3	3
English Composition (Rht 111, 112, 113)	3	3	3
Military Science (men) or Health Education (women)	1	1	1
Physical Education	1	1	1
	16	16	16

Second Year

Lower-Division Design (AA 297)	3	3	3
Lower-Division Drawing (AA 291)	2	2	—
Interior-Design Elements (AA 223)	—	—	2
Graphics II (AA 211, 212, 213)	2	2	2
Construction I (AA 220, 221, 222)	2	2	2
Survey of Visual Arts (AA 114, 115, 116)	3	3	3
Social Science	3	3	3
Military Science (men)	1	1	1
Physical Education	1	1	1
	17	17	17

Third Year

Upper-Division Interior Design (AA 498)	4	4	4
Upper-Division Drawing or Lower-Div. Painting (AA 491 or AA 290)	2	2	2
History of Architecture IV (AA 443, 444, 445)	2	2	2
Lower-Division Applied Design (AA 296)	2	2	2
History of Architecture I (AA 337, 338, 339)	3	3	3
Electives	3	3	3
	16	16	16

Fourth Year

	Term hours		
	F	W	S
Upper-Division Interior Design (AA 498)	6	6	6
Upper-Division Drawing or Lower-Div. Painting (AA 491 or AA 290)	2	2	2
Upper-Division Applied Design (AA 496)	2	2	2
History of Architecture II (AA 340, 341, 342)	2	2	2
Electives	4	4	4
	16	16	16

Fifth Year

Upper-Division Interior Design (AA 498)	8	8	8
Interior Professional Practice (AA 465, 466, 467)	5	5	5
History of Architecture III (AA 440, 441, 442)	1	1	1
Electives	2	2	2
	16	16	16

Curriculum in Landscape Architecture

B.L.A. Degree

MR. CUTHBERT, Adviser

First Year

Basic Design (AA 195)	2	2	2
Social science group	3	3	3
Graphics I (AA 111, 112, 113)	2	2	2
Mathematics (Mth 100, 105, 106)	4	4	4
English Composition (Rht 111, 112, 113)	3	3	3
Military Science (men) or Health Education (women)	1	1	1
Physical Education	1	1	1
	16	16	16

Second Year

Lower-Division Design (AA 297)	3	3	3
Lower-Division Drawing (AA 291)	2	2	2
Graphics II (AA 211, 212, 213)	2	2	2
General Botany (Bi 204, 205, 206)	4	4	4
Survey of Visual Arts (AA 114, 115, 116)	3	3	3
Construction I (AA 220, 221, 222)	2	2	2
Military Science (men)	1	1	1
Physical Education	1	1	1
	18	18	18

Third Year

Upper-Division Landscape Design (AA 495)	3	3	3
Plant Materials (AA 326, 327, 328)	3	3	3
History & Lit. of Land. Arch. (AA 356, 357, 358)	2	2	2
Surveying & Structures for Land. Arch. (AA 366, 367, 368)	3	3	3
Maintenance & Construction (AA 359, 360, 361)	2	2	2
Upper-Division Architectural Design (AA 497)	2	2	2
Electives (art)	2	2	2
	17	17	17

Fourth Year

Upper-Division Landscape Design (AA 495)	5	5	5
History of Architecture III (AA 440, 441, 442)	1	1	1
Plant Composition (AA 431, 432)	4	4	4
Adv. Land. Construction & Field Practice (AA 459, 460, 461)	4	4	4
City Planning I (AA 353, 354, 355)	2	2	2
Elective (verbal expression)	-	-	4
	16	16	16

Fifth Year

Upper-Division Landscape Design (AA 495)	10	10	10
Office Practice (AA 433)	-	-	2
City Planning II (AA 499)	3	3	3
Electives	3	3	-
	16	16	15

Curriculum in Drawing and Painting

B.A., B.S. Degrees

MR. VINCENT, Adviser

First Year

	Term hours		
	F	W	S
Basic Design (AA 195)	2	2	2
Survey of Visual Arts (AA 114, 115, 116)	3	3	3
Figure & Costume Sketch (AA 298)	1	1	1
English Composition (Rht 111, 112, 113)	3	3	3
Group requirement	3	3	3
Military Science (men) or Health Education (women)	1	1	1
Physical Education	1	1	1
Lower-Division Painting (AA 290)	2	2	2
	16	16	16

Second Year

Lower-Division Painting (AA 290)	2-3	2-3	2-3
Lower-Division Drawing (AA 291)	2-3	2-3	2-3
Lower-Division Composition (AA 292)	2-3	2-3	2-3
History of Painting (AA 346, 347, 348)	3	3	3
Group requirement or elective	3-4	3-4	3-4
Military Science (men)	1	1	1
Physical Education	1	1	1

Third Year

Upper-Division Painting (AA 490)	2-4	2-4	2-4
Upper-Division Drawing (AA 491)	2-4	2-4	2-4
Upper-Division Composition (AA 492)	2-4	2-4	2-4
Electives	6	6	6

Fourth Year

Upper-Division Painting (AA 490)	3-4	3-4	3-4
Upper-Division Drawing (AA 491)	3-4	3-4	3-4
Upper-Division Composition (AA 492)	3-4	3-4	3-4
Electives	6	6	6
	15-18	15-18	15-18

Curriculum in Sculpture

B.A., B.S. Degrees

MR. SPONENBURGH, Adviser

First Year

Basic Design (AA 195)	2	2	2
Survey of Visual Arts (AA 114, 115, 116)	3	3	3
English Composition (Rht 111, 112, 113)	3	3	3
General Botany (Bi 201, 202, 203) or General Geology (G 101, 102, 103)	4	4	4
Electives	3	3	3
Military Science (men) or Health Education (women)	1	1	1
Physical Education	1	1	1

Second Year

Elementary Sculpture (AA 293)	3	3	3
Intermediate Sculpture (AA 294)	2	2	2
Lower-Division Drawing (AA 291)	2	2	2
Lower-Division Painting (AA 290)	2	2	2
History of Architecture I (AA 337, 338, 339)	3	3	3
Military Science (men)	1	1	1
Physical Education	1	1	1
Electives	3	3	3
	17	17	17

Third Year

	Term hours		
	F	W	S
Techniques of Sculpture (AA 493)	6	6	6
Upper-Division Drawing (AA 491)	3	3	3
Lower-Division Applied Design (AA 296)	2	2	2
History of Sculpture (AA 376, 377, 378)	3	3	3
Electives	3	3	3
	17	17	17

Fourth Year

Advanced Sculpture (AA 494)	6	6	6
Upper-Division Drawing (AA 491)	3	3	3
Studies in Art Epochs (AA 476, 477, 478)	2	2	2
Seminar in Sculpture (AA 407)	3	3	3
Electives	3	3	3
	17	17	17

Curriculum in Art Education

B.A., B.S. Degrees

MISS KENDALL, Adviser

First Year

Basic Design (AA 195)	2	2	2
Elective (Survey of Visual Arts)	3	3	3
English Composition (Rht 111, 112, 113)	3	3	3
Group requirement (any two from: science, foreign language, social science)	6-8	6-8	6-8
Military Science (men) or Health Education (women)	1	1	1
Physical Education	1	1	1
	16-18	16-18	16-18

Second Year

Second teaching field	3	3	3
Lower-Division Drawing or Painting (AA 291 or AA 290)	2	2	2
Lower-Division Applied Design (ceramics) (AA 296)	2	2	2
Elementary Sculpture (AA 293)	2	2	2
Figure & Costume Sketch Class (AA 298)	1	1	1
History of Interiors (AA 280, 281, 282)	2	2	2
General Psychology (Psy 201, 202)	3	3	3
Psychology of Adjustment or Applied Psychology (Psy 204 or Psy 205)	—	—	3
Military Science (men)	1	1	1
Physical Education	1	1	1
	17	17	17

Third Year

Art Education (AA 314, 315, 316)	3	3	3
Upper-Division Drawing or Painting (AA 491 or AA 490) or Upper-Division Applied Des. (ceramics) (AA 496)	2	2	2
History of Western Art (AA 363, 364, 365) or History of Architecture I (AA 337, 338, 339)	3	3	3
Oregon School Law (Ed 316)	2	—	—
Oregon History (Hst 377)	—	2	—
Secondary Education in American Life (Ed 311)	—	—	—
Educational Psychology (Ed 312)	—	3	—
Principles of Teaching (Ed 313)	—	—	3
Second teaching field	3	3	3
	16	16	14

Fourth Year

Art Education (AA 414, 415, 416)	3	3	3
Applied Design (weaving or jewelry) (AA 296)	2	2	2
Upper-Division Drawing, Painting, or Sculpture (AA 491, AA 490, or AA 493)	2	2	2
Special Methods (Ed 408)	2	2	2
Supervised Teaching (Ed 415)	3	3	—
Education electives	—	—	3
Second teaching field	3	3	3
Interior-Design Laboratory (AA 483, 484, 485)	2	2	2
	17	17	17

Curriculum in General Art

B.A., B.S. Degrees

Miss AVAKIAN, Adviser

First Year

	Term hours		
	F	W	S
Basic Design (AA 195)	2	2	2
English Composition (Rht 111, 112, 113)	3	3	3
Group requirement	4	4	4
Military Science (men) or Health Education (women)	1	1	1
Physical Education	1	1	1
Electives	4	4	4
	15	15	15

Second Year

Survey of Visual Arts (AA 114, 115, 116)	3	3	3
Group requirement	3	3	3
Elementary Sculpture (AA 293)	3	3	3
Lower-Division Applied Design (AA 296)	2	2	2
Lower-Division Drawing or Painting (AA 291 or AA 290)	2	2	2
Military Science (men)	1	1	1
Physical Education	1	1	1
Elective	2	2	2
	17	17	17

Third Year

History of art	3	3	3
Lower-Division Applied Design (AA 296)	2	2	2
Upper-Division Applied Design (AA 496)	4	4	4
Elective (in School of A.A.A.)	3	3	3
Elective (outside School of A.A.A.)	3-5	3-5	3-5
	15-17	15-17	15-17

Fourth Year

Upper-Division Applied Design (AA 496)	7-9	7-9	7-9
Elective (in School of A.A.A.)	3	3	3
Elective (outside School of A.A.A.)	6	6	6
	16-18	16-18	16-18

Courses in Basic Design

LOWER-DIVISION COURSES

AA 195. Basic Design. 2 hours any term.

No-grade course. 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. Three terms required of all majors, as a prerequisite to specialization. Correlated with Survey of Visual Arts (AA 114, 115, 116).

AA 297. Lower-Division Design. 1 to 5 hours any term.

No-grade course. Lectures and individual problems to orient the student in relation to the principles, methods, concepts, and ideals in the professional fields of architecture, landscape architecture, and interior design. Intended to provide a transition from AA 195, which is prerequisite, to upper-division professional design courses.

Courses in Architectural Design

LOWER-DIVISION COURSES

- AA 111, 112, 113. Graphics I.** 2 hours each term.
Principles of orthographic projection or descriptive geometry; applications to the construction of plans and elevations, projections of points, lines, and planes, and correct location of shades and shadows.
- AA 151, 152, 153. Mechanical Drawing.** 2 hours each term.
The use and care of instruments; geometric drawing; practical applications of the principles of orthographic projection to drafting-room practice.
- AA 211, 212, 213. Graphics II.** 2 hours each term.
Fall: mechanical perspective; winter: freehand perspective techniques; spring: delineation and perspective techniques for architectural drawings.
- AA 214, 215, 216. Architectural Rendering.** 1 hour each term.
Use of India ink and water color in making rendered drawings; application to architectural-design problems.

UPPER-DIVISION COURSES

- AA 311, 312, 313. Domestic Architecture I.** 1 to 4 hours each term.
The principles and requirements of domestic architecture applied to the execution of plans and elevations of residential buildings, and to the landscape design of the property. Little.
- AA 329, 330, 331. Architectural Practice.** 1 hour each term.
Problems of professional ethics, business relations, office management, etc. Little, Hayden, Hannaford.
- 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. Domestic Architecture II. (G)** 1 to 4 hours each term.
Continuation of AA 311, 312, 313. Little.
- AA 497. Upper-Division Architectural Design. (G)** 1 to 10 hours any term.
No-grade course. In a three-year sequence, a progressive series of related architectural problems offer opportunity for intensive study in design and planning, with emphasis on analysis, imagination, and solution.

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.

Courses in Structural Design

LOWER-DIVISION COURSES

- AA 220, 221, 222. Construction I.** 2 hours each term.
Materials and methods of architectural construction, with emphasis on their use in architectural design. Light wood-frame construction, fire-resistant

construction, properties of building materials, specifications and cost estimates. Hannaford.

UPPER-DIVISION COURSES

AA 317. Surveying for Architects. 3 hours fall.

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. 1 lecture, 2 field periods. Prerequisite: trigonometry.

AA 318, 319. Construction II. 3 hours each term, winter and spring.

Continuation of AA 220, 221, 222, which is prerequisite. Materials and methods of building construction, with emphasis on their use in architectural design. Masonry construction; specifications; methods of preparing materials and labor estimates; determining building costs; studies of building codes and their effect on architectural design. 2 lectures, 1 drafting room period. Hannaford.

AA 369, 370, 371. Construction III. 2 to 4 hours each term.

Continuation of AA 318, 319. 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. 2 lectures, 1 drafting-room period. Prerequisite: AA 318, 319; trigonometry; physics. Hannaford.

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 417, 418, 419. Construction IV. 2 to 4 hours each term.

The preparation of working drawings, including scale and full-sized details; architectural specifications; methods of field supervision of building construction. Prerequisite: AA 318, 319, AA 369, 370, 371, and fourth-year standing in architectural or interior design. 2 drafting-room periods. Hannaford.

AA 420, 421, 422. Construction VI. (G) 2 to 4 hours each term.

Mechanical accessories to buildings; plumbing, heating, ventilation, electric lighting, acoustics. Prerequisite: Ph 369, 370, 371; may be taken concurrently. Hannaford.

AA 469, 470, 471. Construction V. 2 to 4 hours each term.

Continuation of AA 369, 370, 371, which is prerequisite. Wood and steel building trusses, reinforced-concrete building construction; retaining walls, footings, and foundations for buildings. 2 lectures, 1 drafting-room period Hannaford.

AA 472, 473, 474. Construction VII. (G) 1 to 2 hours each term.

Continuation of AA 420, 421, 422. Continuous frames, rigid frames, and their effects on architectural design. A series of problems, presented in conjunction with fifth-year architectural design. Lectures, 3 to 6 hours of drafting-room work each term. Hannaford.

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.

Courses in Interior Design

LOWER-DIVISION COURSES

AA 223, 224, 225. **Interior-Design Elements.** 2 hours each term.

Introduction to the scope, aim, and technique of interior design, with emphasis on color as related to interior design; textile design; intended to give a comprehensive understanding of the professional field. All work done in the drafting room. Prerequisite for majors: AA 195. Open to nonmajors with consent of instructor. Frasier.

AA 280, 281, 282. **History of Interiors.** 2 hours each term.

Great periods of interior architecture, decorative furnishings, and accessories, as related to the culture of the times. Required for majors in art education; open to nonmajors. Frasier.

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 465, 466, 467. **Interior-Design Professional Practice.** 5 hours each term.

Problems of professional ethics and the technical aspects of interior design. Frasier.

AA 484, 485, 486. **Interior-Design Laboratory.** 2 hours each term.

Problems of side-wall elevations in neutral wash and color. Quick rendering in pencil and water color of elevations and drapery arrangements. Furniture design. Color and color schemes. Required for majors in art education. Frasier.

AA 498. **Upper-Division Interior Design.** (G) 1 to 10 hours any term.

No-grade course. A three-year sequence with a progressive series of related problems. Supplemented by lectures, group discussions, and individual criticism. Emphasis on analysis, concept, and solution. Frasier.

GRADUATE COURSES

AA 498 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.

Courses in Landscape Architecture

LOWER-DIVISION COURSES

AA 250, 251, 252. **Lower-Division Landscape Design.** 3 hours each term.

Principles of landscape design; application to the design of small residence properties; the ordinary city lot, town house property, and suburban resi-

dence 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.

Trees, shrubs, vines, perennials, and their uses in plant composition.

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. Belser.

AA 356, 357, 358. History and Literature of Landscape Architecture. 2 hours each term.

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. Cuthbert.

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 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 431, 432. Plant Composition.** 4 hours each term.

No-grade course. Design of planting of trees, shrubs, and flowers. Lectures, field trips, and drafting. Cuthbert.

AA 433. Office Practice. 2 hours.

Professional ethics, office management, and principles of superintendence. Cuthbert.

AA 459, 460, 461. Advance Landscape Construction and Field Practice. 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 497. Upper-Division Landscape Design. (G) 1 to 10 hours each term.

No-grade course. Design of suburban and country estates, school grounds and parks, cemeteries, golf courses, housing developments, and subdivisions. Trips to study examples in the field. Jette.

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. Cuthbert.

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.

Courses in Drawing and Painting

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. 8 hours required for upper-division standing. Prerequisite: AA 195.

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. 8 hours required for upper-division standing (6 hours for nonmajors). Prerequisite: AA 195.

AA 292. **Lower-Division Composition.** 2 to 3 hours any term.

Principles of space, value, and color organization. Work in abstract and representative forms. Registration permitted any term, but it is desirable that work be started in the fall. 8 hours required for upper-division standing. Prerequisite: AA 195.

AA 298. **Figure and Costume Sketch Class.** 1 hour any term.

No-grade course. Sketching from costumed models, to develop ability to observe clearly and record accurately.

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. 18 hours required for graduation (plus 8 hours in AA 290, total 26 hours).

AA 491. **Upper-Division Drawing.** (G) 1 to 5 hours any term.

Advanced work in drawing. Study of form from the figure. 18 hours required for graduation (plus 8 hours in AA 291, total 26 hours).

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. 15 hours required for graduation (plus 8 hours in AA 292, total 23 hours).

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.

Courses in Sculpture

LOWER-DIVISION COURSES

AA 293. Elementary Sculpture. 2 to 4 hours any term.

Analysis of forms in sculpture; technical and compositional exercises in clay. Introduction to moulding and casting. 9 hours required for upper-division standing. Prerequisite: AA 195.

AA 294. Intermediate Sculpture. 2 to 4 hours any term.

Figure modeling in clay. Problems in plaster casting and ceramics, with some work at the kilns. Introduction to carving. 6 hours required for upper-division standing.

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 493. Techniques of Sculpture. (G) 1 to 6 hours any term.

Professional problems in modeling, carving, and ceramic sculpture. Studies in all sculptural methods.

AA 494. Advanced Sculpture. (G) 1 to 6 hours any term.

Study and application of sculpture. Adaptation to problems found in architecture and landscape architecture.

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.

Courses in Art Education

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-half day for one term in fourth year. Teaching experience in University High School or in city junior or senior high schools.

GRADUATE COURSES

AA 414, 415, 416 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.

Courses in Applied Design

LOWER-DIVISION COURSES

AA 296. Lower-Division Applied Design. 2 to 4 hours any term (any division).

Ceramics: survey of ceramic materials and processes; preparation of clays and glazes; study of contemporary form, color, and texture; firing techniques as related to materials; stacking and drawing the kiln; observation of firing.

Weaving: preparation of the loom for weaving; entering and heddling the warp; study of basic weaves on two- and four-harness looms; other techniques—laid-in, tapestry, knotting, and tufting; study of color, textures, and materials of loomed fabrics; analysis of weaves.

Jewelry: study of metals and processes; development of jewelry design as evolved from processes; study of stones and gems; setting of stones in metal.

Prerequisite: AA 195 or consent of instructor.

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 496. Upper-Division Applied Design. (G) 2 to 6 hours any term (any division).

Ceramics: emphasis on creative work with ceramic materials; firing practice; methods of mass production for the small studio; mould making and casting; brief survey of industrial methods.

Weaving: differentiation of creative work in weaving into various fields, such as costume, drapery, and upholstery fabrics; continued study of color and texture appropriate to the various fields; advanced problems in weave analysis.

Jewelry: Advanced problems in jewelry design.

No-grade course. Prerequisite: AA 296 or consent of instructor.

GRADUATE COURSES

AA 496 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.

Courses in Art History

All courses in art history are open to nonmajor students.

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. Required for all professional majors; open to nonmajors. Baldinger.

AA 263, 264, 265. History of Western Art to 1800. 3 hours each term.

Comparative study of architecture, sculpture, and painting as expressions of individual and social experience from prehistoric times to the culmination of neoclassical art in France. Fall: prehistoric to Roman; winter: early Christian to Islamic and Gothic; spring: Italian Renaissance to French eighteenth-century. Alternates with AA 363, 364, 365. Baldinger.

UPPER-DIVISION COURSES

AA 337, 338, 339. History of Architecture I. 3 hours each term.

A survey of the development of Western architecture from the earliest times, with particular attention to the origin and character of the historic styles. Open to nonmajors. Ross.

AA 340, 341, 342. History of Architecture II. 2 hours each term.

Continuation of AA 337, 338, 339. Ross.

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. Alternates with AA 376, 377, 378. Baldinger.

AA 363, 364, 365. History of Western Art, 1800 to the Present. 3 hours each term.

Comparative study of architecture, sculpture, and painting as expressions of individual and social experience from French empire to the present. Fall: neoclassicism to impressionism; winter: neoimpressionism to surrealism and neoromanticism; spring: American art, including Spanish American. Alternates with AA 263, 264, 265. Baldinger.

AA 376, 377, 378. History of Sculpture. 3 hours each term.

A chronological and interpretive study of the language of sculpture. Fall: prehistoric through mediaeval in Europe; the Renaissance in Italy. Winter: the Renaissance and baroque in northern Europe and Spain. Spring: Oriental sculpture; modern work in Europe and America. Alternates with AA 346, 347, 348. Baldinger.

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.

History of modern architecture. Continuation of AA 340, 341, 342. Ross.

AA 443, 444, 445. History of Architecture IV. 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. Frasier.

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. Alternates with AA 476, 477, 478. Baldinger.

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 centuries in Mexico and Brazil. Ross.

AA 476, 477, 478. Studies in Art Epochs. (G) 2 hours each term.

Periods or phases in the history of art, selected for intensive study. Planned as a seminar to meet the needs of advanced students. Prerequisite: AA 114, 115, 116, one year in history of art, or consent of instructor. Alternates with AA 446, 447, 448. Baldinger.

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.

School of Business Administration

VICTOR PIERPONT MORRIS, Ph.D., Dean of the School of Business Administration.
B. DORIS BRUNTON, B.A., Secretary of the School of Business Administration.

PROFESSORS: W. C. BALLAINE, J. H. BOND (emeritus), O. K. BURRELL, N. H. COMISH, E. G. DANIEL, C. L. KELLY, A. L. LOMAX, V. P. MORRIS, A. B. STILLMAN.

ASSOCIATE PROFESSORS: D. D. GAGE, C. F. ZIEBARTH.

ASSISTANT PROFESSORS: D. A. CALLIS, D. R. MARSHALL, R. D. MILLICAN, W. W. PYLE, JESSIE M. SMITH.

INSTRUCTORS: ELIZABETH K. ARCHIBALD, B. DORIS BRUNTON, N. R. EGGIMANN, T. M. HOLT, CATHERINE M. JONES, R. C. LOOMIS, A. L. PETTERSON.

ASSISTANTS: H. O. BREVIC, P. L. LANSDOWNE, R. C. PAPE.

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.

Courses and opportunities for specialization are offered in the following fields: accounting, finance, advertising and selling, marketing and merchandising, industrial management, traffic and transportation, real estate and insurance, personnel management, foreign trade, and general business. Courses in the major field are supplemented by required and elective work in the social sciences, to insure, for all business-administration graduates, a sound understanding of the social context in which modern business problems arise.

Curricula. The School of Business Administration offers four-year curricula leading to the Bachelor of Business Administration, Bachelor of Arts, and Bachelor of Science degrees; a five-year curriculum in accounting for students preparing for C.P.A. examinations; and graduate work leading to the Master of Business Administration, Master of Arts, and Master of Science degrees. A six-year combined curriculum has been arranged in business administration and law, leading to two degrees—Bachelor of Business Administration and a law degree.

Teacher Training in Business Administration. The State Board of Higher Education has assigned teacher training in business administration to the Uni-

* 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 agricultural, 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.

versity, and teacher training in secretarial science to the State College. The work at the University has been organized to meet the demand for well-prepared teachers of business in the secondary schools. The curriculum in business administration leading to the degree of Bachelor of Science provides satisfactory training for teaching in this field. Teacher-training work is conducted jointly by the School of Business Administration and the School of Education. Students intending to teach should consult the dean of the School of Education concerning required and desirable courses in business and in education. For information concerning requirements for a state teacher's certificate, see SCHOOL OF EDUCATION.

Secretarial Science. Graduates in business administration frequently 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 187.)

Requirements for Baccalaureate Degrees. The following requirements must be satisfied by majors in business administration to qualify for any bachelor's degree:

- (1) University requirements (see pages 54-55).
- (2) 48 term hours in courses in business administration, including 24 hours of upper-division work, and including: Constructive Accounting (BA 111, 112, 113), Elements of Finance (BA 222), Elements of Marketing (BA 223).
- (3) Business English (Rht 217).
- (4) Principles of Economics (Ec 201, 202, 203).

Special requirements for particular degrees are:

Bachelor of Business Administration. One year of 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).

Bachelor of Arts. In addition to 48 hours in business administration, 36 hours in language and literature, including two years (normally 24 term hours) in a foreign language.

Bachelor of Science. In addition to 48 hours in business administration, 36 hours in social science or in science and mathematics.

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 administration 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 will receive 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 candidates 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 economic 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, Chairman, Foreign Trade and Shipping Committee, Portland Chamber of Commerce.

CARTER BRANDON, Portland.

HAROLD K. CHERRY, E. C. Griffith & Company, Inc., Portland.

FRANK CLARK, Portland Chamber of Commerce.

ARTHUR J. FARMER, Manager, Portland Chamber of Commerce.

E. J. GRIFFITH, E. C. Griffith & Company, Inc., Portland.

CHARLES E. HANEY, Frank P. Dow Company, Portland.

LARRY HARRIS, Ames, Harris, Neville Company, Portland.

JOHN F. JOHANNSEN, Willamette Hyster Company, Portland.

WALTER JOHANNSEN, United States National Bank, Portland.

CAPTAIN D. J. MCGARITY, Port Director, Portland.

HAROLD SANFORD, Continental Grain Company, Portland.

VELMA SCHENKER, Pillsbury Flour Mills, Portland.

VELMA SCHOLL, Jantzen Knitting Mills, Portland.

A. M. SCOTT, Pillsbury Flour Mills Company, Portland.

EDWARD A. VALENTINE, Firemans Fund Insurance Company, Portland.

HOWARD WATERBURY, United States Department of Commerce, Portland.

LLOYD WENTWORTH, Douglas Fir Export Company, Portland.

WILLIAM L. WILLIAMS, American Mail Line, Portland.

HERMES WRIGHTSON, Coastwise Lines, Portland.

Curricula in Business Administration*

B.B.A., B.A., B.S., M.B.A., M.A., M.S. Degrees

Accounting—Advertising and Selling—Finance—Foreign Trade—General Business—Industrial Management—Marketing and Merchandising—Business Administration and Law

Lower-Division Curricula

During his freshman and sophomore years, the student must satisfy the lower-division group requirements for students in professional schools—a year sequence in each of two of the following three groups: language and literature, science, and social science.

* Except for University requirements and the courses listed above as required of majors, the courses included in these curricula are only suggested. Students are allowed considerable freedom in substituting other courses which satisfy individual needs.

GENERAL BUSINESS*
(Suggested Curriculum)

Freshman Year

	Term hours		
	F	W	S
Constructive Accounting (BA 111, 112, 113)	3	3	3
English Composition (Rht 111, 112, 113)	3	3	3
Freshman mathematics	4	4	—
Mathematics of Finance (Mth 108)	—	—	4
Electives—Physical-Science Survey; Biological-Science Survey; literature; Survey of Visual Arts; foreign language; introductory course in speech; Introduction to Music Literature; Elementary Journalism: home economics	4	4	4
Military Science (men) or Health Education (women)	1	1	1
Physical Education	1	1	1
	16	16	16

Sophomore Year

Retail Accounting (BA 211)	3	—	—
Principles of Cost Accounting (BA 212)	—	3	—
Analysis of Financial Statements (BA 213)	—	—	3
Business English (Rht 217)	3	—	—
Elements of Finance (BA 222); Elements of Marketing (BA 223)	—	4	4
Principles of Economics (Ec 201, 202, 203)	3	3	3
Electives—literature; psychology; geography; history; Introduction to Philosophy; Fundamentals of Speech; Shakespeare; foreign language; American Governments; sociology	5	5	5
Military Science (men)	1	1	1
Physical Education	1	1	1
	16	17	17

ADVERTISING AND SELLING

(Suggested Curriculum)

The courses in advertising and selling are designed to give the student an acquaintance with the whole field of selling operations.

Freshman Year

Constructive Accounting (BA 111, 112, 113)	3	3	3
English Composition (Rht 111, 112, 113)	3	3	3
Freshman mathematics	4	4	—
Mathematics of Finance (Mth 108)	—	—	4
Electives—literature, language, or philosophy	3	3	3
Military Science (men) or Health Education (women)	1	1	1
Physical Education	1	1	1
	15	15	15

Sophomore Year

Business English (Rht 217)	3	—	—
Elements of Finance (BA 222); Elements of Marketing (BA 223)	—	4	4
Backgrounds of Publishing (J 311, 312)	3	4	—
Principles of Economics (Ec 201, 202, 203)	3	3	3
Elementary Journalism (J 211, 212, 213)	3	3	3
Psychology	3	3	3
Military Science (men)	1	1	1
Physical Education	1	1	1
	17	19	15

Upper-Division Curricula

The fulfillment of the lower-division group requirement in liberal arts and sciences should be considered as a minimum requirement only. Majors in business administration should endeavor

* Women students majoring in business administration may elect a minor in home economics.

to take additional courses in liberal arts and sciences during the junior and senior years. A few of the many courses that may be taken with profit are listed in the following curricula.

GENERAL BUSINESS*
(Suggested Curriculum)

Junior Year

	Term hours		
	F	W	S
Production Management (BA 429)	3	—	—
Finance Management (BA 459)	—	—	5
Sales Management (BA 435)	—	4	—
Business Policy (BA 453)	—	3	—
Business Statistics (BA 432)	3	—	—
Advanced Business Statistics (BA 433)	—	3	—
Business Law (BA 416, 417, 418)	4	4	4
Municipal Accounts and Audits (BA 486)	3	—	—
Advanced Cost Accounting (BA 487, 488)	—	3	3
Electives—insurance; real estate; Office Organization and Management; Economics of Public Utilities; English; history; biological science; physical science	4	—	5
	17	17	17

Senior Year

General Advertising (BA 339)	3	—	—
Principles of Salesmanship (BA 442)	—	—	3
Investments (BA 463, 464)	3	3	—
Personnel Management (BA 412, 413)	—	3	3
Financial Institutions (BA 460)	—	3	—
Economic Theory and Problems (Ec 475, 476, 477)	2	2	—
History of Economic Thought (Ec 470, 471, 472)	3	3	3
Electives—Credit Management; Income-Tax Procedure; Introduction to Philosophy; English; history; biological science; physical science	5	2	5
	16	16	16

ACCOUNTING
(Suggested Curriculum)

The School of Business Administration offers two curricula in accounting: (1) a four-year managerial curriculum for those interested in securing positions in the accounting department of business firms, banks, or manufacturing establishments; (2) a four- or five-year curriculum for students who wish to become certified public accountants.

Junior Year

Accounting Theory and Practice (BA 483, 484, 485)	3	3	3
Municipal Accounts and Audits (BA 486)	3	—	—
Advanced Cost Accounting (BA 487, 488)	—	3	3
Production Management (BA 429)	3	—	—
Finance Management (BA 459)	—	5	—
Sales Management (BA 435)	—	—	4
Business Law (BA 416, 417, 418)	4	4	4
Electives—Business Statistics; Advanced Business Statistics; International Trade; Labor Problems; Personnel Management	4	2	3
	17	17	17

Senior Year

Advanced Accounting Theory and Practice (BA 489, 490, 491)	3	3	3
Auditing (BA 494, 495)	—	3	3
Money and Banking (Ec 411)	3	—	—
Income-Tax Procedure (BA 492, 493)	3	3	—
Retail Merchandising (BA 436)	—	—	4
Business Policy (BA 453)	—	3	—
Electives—International Finance; History of Economic Thought; Public Finance; Insurance; Credit Management; English literature	7	4	6
	16	16	16

* Women students majoring in business administration may elect a minor in home economics.

Graduate Year

	Term hours		
	F	W	S
C. P. A. Problems (BA 520, 521, 522)	5	5	5
Graduate Seminar (BA 507)	2	2	2
Minor field	3	3	3
Electives	3	3	3
	15	15	15

ADVERTISING AND SELLING
(Suggested Curriculum)

Junior Year

General Advertising (BA 339)	3	-	-
Problems in Distribution (BA 434)	4	-	-
Sales Management (BA 435)	-	4	-
Retail Merchandising (BA 436)	-	-	4
Personnel Management (BA 412, 413)	-	3	3
Credit Management (BA 437)	3	-	-
Business Cycles (BA 466)	3	-	-
Advanced Business Statistics (BA 433)	-	-	3
Electives—Reporting; decorative design; economic geography; history	3	6	6
	16	16	16

Senior Year

Advertising Production (BA 440)	-	-	3
Advertising Problems (BA 444)	3	-	-
Retail Advertising (BA 445)	3	-	-
Business Law (BA 416, 417, 418)	4	4	4
Finance Management (BA 459)	-	5	-
Principles of Salesmanship (BA 442)	-	-	3
Production Management (BA 429)	3	-	-
Industrial Psychology (Psy 462)	-	2	-
Personnel Procedures (Psy 464)	-	-	2
Electives—Editing; Business Policy; English or American literature; sociology or advanced economics	4	5	5
	17	16	17

FINANCE
(Suggested Curriculum)

Junior Year

Production Management (BA 429)	3	-	-
Finance Management (BA 459)	-	-	5
Sales Management (BA 435)	-	4	-
Elements of Statistics (Mth 337)	3	-	-
Business Statistics (BA 432)	-	3	-
Advanced Business Statistics (BA 433)	-	-	3
Financial Institutions (BA 460)	-	3	-
Public Finance (Ec 418, 419, 420)	3	3	3
Money and Banking (Ec 411)	3	-	-
Electives—insurance; real estate; Municipal Accounts and Audits; Office Organization and Management; Economics of Public Utilities; advanced foreign language	4	3	5
	16	16	16

Senior Year

Business Law (BA 416, 417, 418)	4	4	4
Investments (BA 463, 464)	3	3	-
Investment Analysis (BA 465)	-	-	3
Economic Theory and Problems (Ec 475, 476, 477)	2	2	2
History of Economic Thought (Ec 470, 471, 472)	3	3	3
Electives—Accounting Theory and Practice; Credit Management; Per- sonnel Management; International Finance; Income-Tax Procedure; Introduction to Philosophy; English literature	3	3	3
	15	15	15

MARKETING AND MERCHANDISING (Suggested Curriculum)

Junior Year

	Term hours		
	F	W	S
Problems in Distribution (BA 434)	4	—	—
Sales Management (BA 435)	—	4	—
Retail Merchandising (BA 436)	—	—	4
General Advertising (BA 339)	3	—	—
Advertising Production (BA 440)	—	—	3
Business Law (BA 416, 417, 418)	4	4	4
Electives—insurance; real estate; Office Organization and Management; Foreign-Trade Technique; economics; journalism; history; sociology; political science; English	5	8	5
	16	16	16

Senior Year

Personnel Management (BA 412, 413)	—	3	3
Advertising Problems (BA 444)	3	—	—
Retail Advertising (BA 445)	—	3	—
Principles of Salesmanship (BA 442)	—	—	3
Finance Management (BA 459)	—	—	5
Credit Management (BA 437)	3	—	—
Economic Theory and Problems (Ec 475, 476, 477)	2	2	2
History of Economic Thought (Ec 470, 471, 472)	3	3	3
Industrial Psychology (Psy 462)	—	2	—
Personnel Procedures (Psy 464)	—	—	2
Electives—research in marketing; statistics; Business Policy; Manufac- turing; Foreign-Trade Marketing; economics; Income-Tax Proce- dure; philosophy; psychology; history; geography; education; biological science; physical science	6	3	—
	17	16	18

FOREIGN TRADE (Suggested Curriculum)

The courses in foreign trade and related subjects offered by the School of Business Administration are designed to enable the student to take an active and intelligent part in solving the trade problems of the Pacific states, particularly the Northwest, with the countries of the Pacific Basin and other trade territories of the world. The curriculum, worked out in consultation with the Foreign Trade Advisory Board (see page 177), prepares the student for positions in exporting and importing houses, marine-insurance firms, banks, ocean-transportation companies, and governmental services.

Junior Year

Production Management (BA 429)	—	3	—
Personnel Management (BA 412, 413)	—	3	3
Finance Management (BA 459)	—	—	5
Industrial Traffic Management (BA 450, 451, 452)	3	3	3
Problems in Distribution (BA 434)	—	4	—
Sales Management (BA 435)	—	—	4
Money and Banking (Ec 411)	3	—	—
Foreign-Trade Technique (BA 471, 472, 473)	3	3	3
American Foreign Relations (Hst 473, 474)	3	3	—
Electives	6	—	—
	18	19	18

Senior Year

Business Law (BA 416, 417, 418)	4	4	4
Foreign-Trade Marketing (BA 475, 476, 477)	3	3	3
International Trade (Ec 440)	3	—	—
International Economic Policies (Ec 441)	—	3	—
Business Cycles (BA 466)	3	—	—
Business Statistics (BA 432)	—	3	—
Advanced Business Statistics (BA 433)	—	—	3
Electives—Economic Problems of the Pacific; International Organi- zation and World Politics; International Law	3	3	6
	16	16	16

INDUSTRIAL MANAGEMENT (Suggested Curriculum)

Junior Year

	Term hours		
	F	W	S
Personnel Management (BA 412, 413)	—	3	3
Manufacturing (BA 412)	4	—	—
Production Management (BA 429)	—	3	—
Money and Banking (Ec 411)	3	—	—
Retail Merchandising (BA 436)	—	—	4
Business Cycles (BA 466)	3	—	—
Business Statistics (BA 432)	—	3	—
Advanced Business Statistics (BA 433)	—	—	3
Advanced Cost Accounting (BA 487, 488)	—	3	3
Accounting Theory and Practice (BA 483, 484, 485)	3	3	3
Electives	4	2	—

17 17 16

Senior Year

Business Law (BA 416, 417, 418)	4	4	4
Investments (BA 463, 464)	3	3	—
Property Insurance (BA 481)	—	—	3
Credit Management (BA 437)	3	—	—
Finance Management (BA 459)	—	—	5
History of Economic Thought (Ec 470, 471, 472)	3	3	3
Industrial Psychology (Psy 462)	—	2	—
Personnel Procedures (Psy 464)	—	—	2
Electives	3	4	—

16 16 17

BUSINESS ADMINISTRATION AND LAW

The fields of business and law are so intimately interrelated that the student trained in both is doubly prepared for either profession. The University offers a combined six-year curriculum, leading to two degrees, the B.B.A. and a law degree. A student following this curriculum registers in the School of Law in his senior year, after three years of general business training. He receives the B.B.A. degree at the end of his first year of law, and a law degree when he has completed the regular three-year law curriculum.

Freshman and Sophomore Years

(Same as General Business)

Junior Year

Personnel Management (BA 412) or Production Management (BA 429)	3	—	—
Finance Management (BA 459)	—	—	5
Sales Management (BA 435)	—	4	—
History of Economic Thought (Ec 470, 471, 472)	3	3	3
Money and Banking (Ec 411)	3	—	—
Electives—history, economics, philosophy	7	9	8

16 16 16

ADVANCED WORK

(Regular three-year curriculum in law)

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 211. 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 212. 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 213. 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 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.

UPPER-DIVISION COURSES

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. General Advertising. 3 hours any term.

Advertising as a factor in the distributive process; the advertising agency; the "campaign;" function of research and testing; use of media: newspapers, magazines, broadcasting, outdoor advertising, direct mail, etc. Millican.

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, Daniel, 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. Gage.

BA 412, 413. Personnel Management. (G) 3 hours each term.

Principles and policies involved in obtaining and maintaining a competent cooperative working force; reconciliation of the interests of the worker and the employer. Prerequisite: BA 222, 223, Ziebarth.

BA 415. Regional Planning for Commerce and Industry. (G) 3 hours spring.

Origin of the planning movement; analysis of regional planning projects with especial 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. Marshall.

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

Curricular materials; trends in the high schools; current business-education problems; viewpoints of business-education leaders. Special attention to prob-

lems growing out of the needs and interests of students enrolled. Prerequisite: consent of instructor.

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 nonmajor students. Gage.

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. Gage.

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. Gage.

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.

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 222, 223. 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 325, 326 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.

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.

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.

BA 437. Credit Management. (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, interpreta-

tion 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. Prerequisite: BA 339. Millican.

BA 441. Radio Advertising. 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. Millican.

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.

BA 443. Space Selling. (G) 3 hours winter.

The salesmanship of advertising, including a description of the organization and methods of the advertising department of newspapers and other publications. Prerequisite: BA 339. Millican.

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. Millican.

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 440. Millican.

BA 446. Advertising Copywriting. 2 hours.

Training and practice in the art of writing advertising copy for various media. Study of diction, sentence structure, headlines and slogans, style development. Open only to seniors. Prerequisite: 9 hours in advertising. Millican.

BA 449. 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 450, 451, 452. Industrial Traffic Management. (G) 3 hours each term.

The organization of a traffic department; services and organization of rail, truck, and air lines; theory and application of freight rates. Prerequisite: BA 222, 223. Ziebarth.

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. Daniel.

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. Burrell.

BA 460. Financial Institutions. (G) 3 hours winter.

Services, operations, and economic effects of financial institutions and government 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. Daniel.

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. Foreign-Trade Technique. (G) 3 hours each term.

Classification of ships, elements of ship construction, management of ocean shipping, export and import procedures, marine insurance, finance. 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.

Export and import department organization, foreign-trade advertising, channels of distribution; marketing of world staple commodities; commercial treaties; market surveys. Prerequisite: consent of instructor. Lomax.

BA 479. 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. Daniel.

BA 480. 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. Daniel.

BA 481. 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.

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 479, BA 480, or BA 481. Daniel.

BA 483, 484, 485. Accounting Theory and Practice. (G) 3 hours each term.

The theory of accounting records and statements; statements of affairs, depre-

ciation, 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. Kelly.

BA 492, 493. Income-Tax Procedure. (G) 3 hours each term.

Income-tax laws of the United States and state of Oregon. The 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.

BA 494, 495. Auditing. (G) 3 hours each term, winter and spring.

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.

BA 496, 497, 498. Accounting Systems. (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 in Secretarial Science

By action of the State Board of Higher Education in February 1941, the University was authorized to offer lower-division service courses in secretarial science. Major work in this field is allocated to Oregon State College.

LOWER-DIVISION SERVICE 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. Smith.

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 JUDD 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 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 pages 89-90.

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 BENJAMIN JACOBSON, Ph.D., Dean of the School of Education.

CATHERINE M. LAURIS, B.A., Secretary to the Dean.

JULIA O. PHIPPS, Secretary.

IDA MAY POPE, A.B., Placement Secretary.

PROFESSORS: H. S. HOYMAN, C. L. HUFFAKER, P. B. JACOBSON, J. R. JEWELL (emeritus), P. E. KAMBLY, P. A. KILLGALLON, R. W. LEIGHTON, R. C. MCCALL, H. D. SHELDON (emeritus), F. L. STETSON, R. C. SWANK, H. B. WOOD.

ASSOCIATE PROFESSORS: MAUDE GARNETT, H. E. STEVENS, JANET WOODRUFF.

ASSISTANT PROFESSORS: ELIZABETH FINDLY, JEAN KENDALL, BERNICE RISE.

INSTRUCTORS: ABBEY ADAMS, JUANITA AUSTILL, AGNES BEST, ALICE GEROT, VIRGINIA GREER, G. D. HADLEY, J. E. HALE, R. C. HENDRICKSON, V. E. KERLEY, BYRON MILLER, L. F. MILLHOLLEN, GEORGE NELSON, MILDRED WILLIAMS, LOIS ZIMMERMAN.

FELLOW: GEORGE HALL.

ASSOCIATES: RUTH H. BEACON, CLARA BLAIS, KERNAL BUHLER, MILDRED DART, MABEL DE VOS, CLARENCE DIEBEL, RUTH EHRLICH, OREN FREERKSEN, J. CLAIRE GIBSON, EDNA GLINES, EDGAR GOODNOUGH, MARIE GROVES, RUSSELL HARRISON, RUSSELL HENDRICKS, VERL HOOVER, HELEN HUGHES, WILLIAM JOHNSON, PAUL JOHNSTON, BESSIE KAMARAD, KENNETH KIENZLE, HENRY KUCHERA, THELMA LANDES, HELEN LETTOW, ROBERT LYON, MARY MALLERY, MARY MATTLEY, DUANE MELLEME, LOUISE NIMMO, PAULINE PEARCE, WALLACE PRENTICE, PAUL SCRANTON, GERTRUDE SEARS, HOWARD WEDDLE, J. A. WICKHAM, VEOLA WILMOT, MARIE WILLIS, MARJORIE S. WILSON, JOSEPHINE WOLFE, JOHN YOUNG.

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 administration, 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 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, secondary education, educational psychology, and elementary education. Major work in education leads to the following graduate 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.

Clinical Teaching. The DeBusk Memorial Clinic for exceptional children is maintained by the School of Education to help children with learning difficulties and to train teachers for clinical work with exceptional children in the public schools. Work in speech correction is carried on in cooperation with the Department of Speech of the College of Liberal Arts.

The DeBusk Clinic grew out of a reading clinic held on the campus in the summer of 1928, under the direction of Dr. Burchard Woodson DeBusk. Dr. DeBusk continued to direct the clinic and the training of clinical teachers until his death in 1936. The clinic was formally named in his memory in 1937.

The instructional program for students interested in work in this field provides a sound theoretical foundation and an opportunity for practical training. The student should take the following courses, in addition to courses required for teacher certification: Psychology of Childhood (Ed 460); Psychology of Exceptional Children (Ed 462); the Maladjusted Child (Ed 463); Education of Exceptional Children (Ed 464); Diagnostic and Remedial Techniques (Ed 465, 466); Mental Tests (Ed 564); Psycho-Educational Clinic (Ed 409).

The following courses outside the special field are suggested: Social Work and Public Welfare (Soc 340, 342); Phonetics (Sp 372); Speech Defects and Disorders (Sp 471, 472); Clinical Methods in Speech Correction (Sp 473); Educational Statistics (Ed 515, 516, 517); Abnormal Psychology (Psy 413); Counseling Procedures (Psy 433).

Elementary Education. The Oregon State System of Higher Education offers undergraduate work in elementary education through three colleges of education: Oregon College of Education, Monmouth; Eastern Oregon College of Education, La Grande; and Southern Oregon College of Education, Ashland. Graduate study in elementary education, for teachers who wish to work toward advanced degrees in this field, is allocated to the School of Education at the University of Oregon.

Library Courses. The University offers, through the School of Education, a series of library courses to satisfy two needs: (1) to provide sufficient instruction in librarianship to meet the needs of teacher-librarians in the public schools; and (2) to acquaint University students with the resources of the University Library and to provide instruction in the efficient use of these resources (see page 203). The University does not offer a major curriculum in librarianship.

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 will recommend 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	\$3.00
Charge for late registration	1.00
Charge for late payment of registration fee	1.00
Credential fee	.25
Credential fee for out-of-state certification	2.00

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.

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. Application for certification must be made to the state superintendent. An official record of the applicant's preparation, required as a basis for certification, will be submitted to the state superintendent by the University Registrar, on request. 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.

Regular Certification. To be eligible for regular certification, the applicant must have satisfied the following requirements:

(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), 2 hours.

(4) A minimum of 3 hours in General Psychology (prerequisite to Ed 312).

Special Methods (Ed 408) is recommended as an undergraduate elective in education.

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 program should include courses providing a broad general background, designed to develop:

(1) Competency in the fields of written and spoken English, in physical and mental health, and in human relationships.

(2) An appreciation of literature and the fine arts.

(3) An understanding of the history and traditions of Western culture, including United States history, the history of western Europe, socio-economic problems, and the relationship of man to his environment.

(4) An understanding of the biological or physical sciences, including mathematics (competency in the field of home economics will be accepted in lieu of biological or physical science).

(5) An understanding of the professional problems and techniques of teaching (completion of the minimum 17-hour undergraduate requirement in education).

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.

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 adequate college preparation. The State Board of Education has set the following minimum standards of subject preparation:

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). **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 requirements). **SOCIAL STUDIES:** 36 term hours, including at least 18 term 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. **MATHEMATICS:** 15 term hours of college mathematics. **COMMERCE:** *Shorthand*, 18 term hours (may include high-school or business-college work evaluated in terms of college hours or equivalent performance standards); *Typing*, 6 term hours (may include high-school or business-college work); *Bookkeeping, Business Training, Commercial Law*, 24 term hours in accounting and business administration. **NATURAL 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; *Biology*, 18 term hours; *Physics*, 12 term hours; *Chemistry*, 12 term hours. **PHYSICAL EDUCATION AND HEALTH EDUCATION:** 12 term hours in physical education and 12 term hours in health education. **HOME ECONOMICS:** 24 term hours. **LIBRARY:** 9 to 18 term hours.

The University will not recommend a graduate for a teaching position 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 sciences, business administration, elementary science, English, French, German, Latin, library, mathematics, music, physical education, physical sciences, social sciences, 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.

Listed below are courses which the University requires for minimum subject preparation in the several teaching fields; these courses satisfy the subject-preparation standards of the State Board of Education (see above). It is important to note, however, that in most cases they satisfy the *minimum* requirements only. Students should consult members of the faculty of the schools or departments in which they are taking subject-preparation courses concerning additional courses they should elect to strengthen their preparation.

Teaching Fields Allocated to the University

Art

Students wishing to prepare for placement in art in combination with other academic subjects should consult the dean of the School of Education early in the sophomore year.

	Term hours
Basic Design (AA 195)	6
Lower-Division Painting (AA 290) or Lower-Division Drawing (AA 291).....	6
Lower-Division Applied Design (AA 296) (ceramics)	4
Special Art Methods (Ed 408)	6
Art Education (AA 314, 315, 316)	9
Art Education (AA 414, 415, 416)	9
	40

Biological Sciences

General Botany (Bi 204, 205, 206)	12
General Zoology (Bi 201, 202, 203)	12
	24

Business Administration

	Term hours
Constructive Accounting (BA 111, 112, 113)	9
Office Organization and Management (BA 323)	2
Business Law (BA 416, 417)	8
One of the following courses: Retail Accounting (BA 211); Principles of Cost Accounting (BA 212); Elements of Finance (BA 222); Elements of Marketing (BA 223)	3-4
Typing (SS 121, 122, 123)	6
Stenography (SS 111, 112, 113) (60 words per minute performance)	9

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Elementary Science

A minimum of 27 term hours in the natural sciences, including:	
A year sequence with laboratory in physics or chemistry	12
A year sequence with laboratory in botany or zoology	9
Geology	6

English

English Composition (Rht 111, 112)	6
Survey of English Literature (Eng 101, 102, 103) or Appreciation of Literature (Eng 104, 105, 106)	9
Shakespeare (two terms of Eng 201, 202, 203)	6
American Literature (two consecutive terms of Eng 261, 262, 263)	6
English Composition for Teachers (Rht 324)	3
Speech for Classroom Teachers (Sp 411) and Direction of School and Community Plays (Sp 367), or equivalent	6
Upper-division courses in English literature, selected in consultation with the head of the Department of English	6

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French

The equivalent of 30 term hours, including high-school credits. Evaluate high-school credits in terms of college hours. Suggested courses (which should include RL 314, 315, 316):

Second-Year French (RL 4, 5, 6)	12
French Literature (RL 311, 312, 313)	9
Intermediate French Composition and Conversation (RL 314, 315, 316)....	6
French Pronunciation and Phonetics (RL 320, 321, 322)	6

German

The equivalent of 30 term hours, including high-school credits. Evaluate high-school credits in terms of college hours. Suggested courses:

Second-Year German (GL 4, 5, 6)	12
German Conversation and Composition (GL 334, 335, 336)	6
German Literature (GL 343, 344, 345)	9

Health and Physical Education**PHYSICAL EDUCATION FOR MEN**

Fundamentals of Body Movements and Conditioning (PE 127)	2
Apparatus and Tumbling (PE 128)	2
Track and Field (PE 129)	2
Elementary Aquatics (PE 227)	2
Elementary Combatives (PE 228)	2
Team Sports (PE 229)	2
Coaching	6
Class Techniques (PE 342)	3
School Program (PE 444)	3

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PHYSICAL EDUCATION FOR WOMEN*

Physical-Education Activities (PE 324, 325, 326)	6
Physical-Education Activities (PE 424, 425, 426)	6
First Aid (HE 252)	3
Principles and Practices of Physical Education (PE 341)	3
Class Techniques (PE 342)	3
Organization and Administration of Physical Education (PE 343)	3
School Program (PE 444)	3

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* In fulfilling lower-division physical-education requirements, the candidate should select sections in PE 180 from the following: modern dance, swimming, square dancing, tennis, basketball, and volleyball.

HEALTH EDUCATION

	Term hours
Biological-Science Survey (GS 101, 102, 103)	12
Introduction to Bacteriology (Bi 311)	3
Principles of Dietetics (HEc 225)	2
School Health Education Core (HE 361, 362, 363)	9
Health Instruction (HE 464)	3
	29

Latin

The equivalent of 30 term hours, including high-school credits. Evaluate high-school credits in terms of college hours. Suggested courses:

Second-Year Latin (CL 7, 8, 9)	12
Latin Literature: The Augustan Age (CL 101, 102, 103)	9
Latin Literature: Ovid (CL 344, 345, 346)	6
Advanced Latin Grammar (CL 340)	3

Library

Books for School Libraries (Lib 383)	3
School Library Administration (Lib 384)	3
Cataloging and Classification for School Libraries (Lib 386)	3
Children's Literature (Lib 388)	3
	12

Mathematics

Elementary Analysis (Mth 101, 102, 103) or equivalent	12
Differential and Integral Calculus (Mth 201, 202) or equivalent	8
Advanced Euclidean Geometry (Mth 415) or Projective Geometry (Mth 416)	3
	23

Music**VOCAL**

Theory I (Mus 111, 112, 113)	12
Choral Conducting (Mus 323, 324, 325)	6
Ensemble (chorus)	3
Introduction to Music Literature (Mus 127, 128, 129)	6
	27

Applied music: The student must be able to demonstrate ability in singing and in playing accompaniments.

INSTRUMENTAL

Theory I (Mus 111, 112, 113)	12
Instrumental Conducting (Mus 320, 321, 322)	6
Ensemble (orchestra or band)	3
Stringed Instruments (Mus 332, 333, 334) or Wind and Percussion Instruments (Mus 335, 336, 337)	3
	24

Applied music: The student must be able to demonstrate playing ability upon a melodic string or wind instrument.

Physical Sciences

General Chemistry (Ch 201, 202, 203)	15
General Physics (Ph 201, 202, 203)	12
	27

Social Sciences

History of the United States (Hst 201, 202, 203)	9
Europe since 1815 (Hst 341, 342, 343) or History of Western Civilization (Hst 101, 102, 103)	9
A minimum of five hours each from at least two of the following: American Governments (PS 201, 202); Principles of Economics (Ec 201, 202, 203); General Sociology (Soc 204, 205); Introductory Geography (Geo 105, 106, 107)	10
Electives in anthropology, economics, geography, political science, sociology	8
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Spanish

The equivalent of 30 term hours, including high-school credits. Evaluate high-school credits in terms of college hours. Suggested courses (which should include RL 347, 348, 349):

Second-Year Spanish (RL 14, 15, 16)	12
Spanish Literature (third year) (RL 341, 342, 343)	9
Intermediate Spanish Composition and Conversation (RL 347, 348, 349)	6

Speech

	Term hours
Fundamentals of Speech (Sp 111, 112)	6
Speech for the Classroom Teacher (Sp 411)	3
Theater Workshop (Sp 261)	3
Argumentation, Discussion, and Persuasion (Sp 321)	3
Radio Workshop (Sp 341)	2
Direction of School and Community Plays (Sp 367)	3
Speech Science (Sp 371)	3
	23

Teaching Field Not Allocated to the University**Home Economics (supervised teaching not offered at the University)**

Clothing Construction (HEc 111, 112, 113)	6
Clothing Selection (HEc 114, 115, 116)	3
Foods (HEc 211, 212, 213)	9
Child Care and Training (HEc 325)	3
Household Management (HEc 339)	3
Home Planning and Furnishing (HEc 331)	} One course from this group 2-3
Textiles (HEc 125)	
Principles of Dietetics (HEc 225)	
Family Relationships (HEc 222)	

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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 following sequence. 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: Special Methods (Ed 408); Supervised Teaching (Ed 415).

Graduate Year: Education electives, 9 hours during year.

Education majors should take sufficient additional elective hours 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.

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. Stetson.

Ed 312. Educational Psychology. 3 hours any term.

The laws of learning and their application in the classroom; motivation in learning, transfer of learning, memory, forgetting. Prerequisite: two terms of general psychology.

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 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 (6 hours maximum toward education requirement for certification).

Planned to satisfy the state certification requirement for work in special methods; to be taken before or in conjunction with Ed 415. Not more than 3 hours credit may be earned in any one field.

Art—Kendall.

Commerce—Zimmerman.

English—Austill.

Foreign Language—Adams.

Health, Physical Education, Recreation—Mohr, Sprague

Mathematics—Kerley.

Music, Instrumental—Stehn.

Music, Vocal—Garnett.

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 460, Ed 465, 466; or consent of instructor. 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. Kambly.

Ed 435. Audio-Visual Aids. (G) 4 hours.

The development and use of audio-visual aids in education. Historical background, psychological and educational principles, and experimental studies. Emphasis on actual learning situations in which radio, recordings, films, slides, film strips, pictures, etc. are used. Sources of materials and equipment; administration of program. Wood.

Ed 440. History of Education. (G) 3 hours fall.

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. Killgallon.

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. Prerequisite: Ed 312. Beck.

Ed 462. Psychology of Exceptional Children. (G) 3 hours.

Survey of the characteristics and problems of all types of exceptional children; some consideration of educational provisions suited to their needs. 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. Satisfies the requirement in mental hygiene for certain special certificates. Killgallon.

Ed 464. Education of Exceptional Children. (G) 3 hours.

Identification, description, and instruction of the mentally deficient, the mentally superior, and the physically handicapped child. Killgallon.

Ed 465, 466. Diagnostic and Remedial Techniques. (G) 3 hours each term.

Difficulties in reading, spelling, and arithmetic among children at the primary- and elementary-school levels; reading difficulties of high-school and college students. Techniques of diagnosis; remedial procedures. Killgallon.

Ed 469. Remedial Reading in High School. (G) 3 hours.

Designed for junior and senior high-school teachers. Analysis of reading; typical reading difficulties of secondary-school children; diagnostic and remedial methods. 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. Leighton, Hoyman.

Ed 492. 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. Stetson.

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—Wood, Stevens.

Affective Phases of Education—Leighton.

College Teaching—Stetson

Curriculum and Instruction—Wood.

Educational Psychology—Huffaker.

History of Education—Stevens.

Measurements—Huffaker.

Philosophy of Education—Stevens.

Pupil Evaluation—Wood.

Remedial Teaching—Killgallon.

School Administration—Huffaker, Jacobson, Stetson.

School Finance—Huffaker.

Secondary Education—Jacobson, Stetson.

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 512. Research Procedures and Thesis Writing. 3 hours.

The nature and procedures of research in education; special techniques of field study. 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. Huffaker.

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. Stetson.

Ed 524. Measurement in Education. 3 hours.

Construction and desirable uses of various standard tests and scales for measuring achievements in school subjects. Such elements of statistical method taught as are necessary for intelligent use of the tests. Wood.

Ed 525. Pupil Personnel Work. 3 hours.

Nature and causes of problems in adolescent development and adjustment; procedures and techniques in case work; organization of personnel work; the qualifications, training, and duties of personnel officers. Stetson.

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.

Ed 552. Organization of Elementary Schools. 3 hours.

A comprehensive survey of the development, responsibilities, and opportunities in the elementary schools. Intended for mature persons who plan a career in elementary education.

Ed 553. Curriculum of the Elementary Schools. 3 hours.

A systematic study of the elementary-school curriculum with a view to its improvement. Intended for mature teachers and school administrators who plan a career in elementary education.

Ed 554. Supervision of Elementary Schools. 3 hours.

Special problems and techniques of supervision in the elementary schools. Intended for mature persons who are or expect to be responsible for supervision in elementary schools.

Ed 556. Curricula and Instruction in Higher Education. 3 hours fall.

Types of objectives; organization of courses; curricular plans; techniques of teaching; evaluation procedures; experimentation in college teaching; personnel work. Stetson.

Ed 557. The Liberal-Arts College. 3 hours winter.

Early objectives and theories of liberal education; present theory and practice; relation to general education and to the junior college; distinctive developments in organization and operation. Stetson.

Ed 558. Professional and Vocational Higher Education. 3 hours spring.

Development, organization, and functions of land-grant colleges, independent technical schools, and professional schools; vocational functions of junior colleges; university organization. Stetson.

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.

Ed 564. Mental Tests. 3 hours fall.

Selection, administration, and interpretation of individual tests. Problems in testing exceptional and extremely deviate children studied intensively, with applications. Killgallon.

Ed 571. Affective Phases of Education. 3 hours spring.

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 schools; emphasis on the small system. Prerequisite: Ed 311, Ed 312, Ed 313 or teaching experience. Huffaker, Jacobson, Stetson.

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, Stetson.

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, Stetson.

Ed 581. Curriculum Foundations. 3 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. 3 hours.

Survey and appraisal of curricular patterns; state and city programs; courses of study in major subject areas; techniques of course-of-study planning. Wood.

Ed 583. Unit Construction. 3 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 584. Curriculum Laboratory. 1 to 3 hours any term (6 hours maximum credit).

Construction, classification, evaluation, and preservation of curriculum materials; bibliographical tools; operation of audio-visual equipment. 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.

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. Stevens.

Library Courses

The University does not offer a major curriculum in librarianship. The courses listed below have two purposes: (1) to provide sufficient instruction in librarianship to meet the needs of teacher-librarians in the public schools; and (2) to acquaint University students with the resources of the University Library and to provide instruction in the efficient use of these resources.

LOWER-DIVISION COURSE

Lib 117. Use of the Library. 3 hours 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 for School Libraries. 3 hours winter.

Standards for selecting books to enrich the school curriculum; reference works and bibliographies; discussion of books read by individuals in the class.

Lib 384. School Librarian Administration. 3 hours fall.

Organization, equipment, administration, and objectives of modern school libraries.

Lib 386. Cataloging and Classification for School Libraries. 3 hours spring.

Instruction and practice in the making of a dictionary catalog and in the classification of books for school library purposes.

Lib 388. Children's Literature. 3 hours.

Intended to develop an understanding and appreciation of the best literature for children of all ages. Practical training in book selection.

School of Health and Physical Education

RALPH WALDO LEIGHTON, Ph.D., D.Sc., Dean of the School of Health and Physical Education.

HELEN D. STRONG, Secretary to the Dean.

PROFESSORS: FLORENCE D. ALDEN (emeritus), L. A. HARRIS, W. L. HAYWARD (emeritus)*, H. S. HOYMAN, E. R. KNOLLIN, R. W. LEIGHTON, F. N. MILLER, HARRIET W. THOMSON (emeritus), P. R. WASHKE.

ASSOCIATE PROFESSORS: W. W. MASSEY†, JENNELLE MOORHEAD, DOROTHY R. MOHR, ROSAMOND WENTWORTH, JANET G. WOODRUFF.

ASSISTANT PROFESSORS: J. W. AIKEN, E. D. FURRER, P. O. SIGERSETH, V. S. SPRAGUE.

INSTRUCTORS: MARY BOWMAN, C. D. HELDT, T. P. HUGHES, R. W. KIREILIS, D. H. KIRSCH, JEANNETTE MASILIONIS, R. K. MILLER, MARGARET M. MORAN, J. A. WARREN, F. A. ZAZULA.

ASSISTANTS: EVELYN E. HUDSON, HERMIE KROEGER, DOROTHY A. OUTZS.

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.

Undergraduate Major Curricula. Two undergraduate major curricula are offered; these are designated Curriculum I and Curriculum II in the outlines printed below.

Curriculum I represents a strong program of professional work in physical education and health education; it provides preparation for teaching in these fields and for coaching, and a sound basis for graduate study. Curriculum I satisfies all requirements for the professional B.P.E. degree or for the B.S. degree. By proper choice of electives, the student may satisfy the requirements for the B.A. degree.

Curriculum II leads to the B.A. or B.S. degree. It allows more freedom in the selection of electives than Curriculum I, enabling the student to place special emphasis on: the modern dance, health education, recreation and work with community and youth organizations, or preparation for advanced training in physical therapy. In some cases, students proceeding to graduate work in physical educa-

* Deceased Dec. 15, 1947.

† Resigned Oct. 23, 1947.

tion or health education after completing Curriculum II may be required to make up undergraduate deficiencies.

Students planning to meet the certification requirements for teaching should consult the School of Education at the beginning of the junior year.

Graduate Study. The School of Health and Physical Education offers graduate work leading to the M.A. or M.S. degree in health education, physical education, and recreation. Advanced students may work for the Doctor of Education degree by meeting the requirements for that degree in the School of Education and by carrying a heavy program in physical education as a cognate field. The graduate student's program may place emphasis upon: (1) administration of programs, buildings, and grounds; (2) school health education; (3) corrective activities and physical therapy; (4) recreation; (5) anthropometry; (6) anatomy, physiological growth factors, and physiological training and conditioning factors. Graduate programs are organized to include courses selected from those listed in the Catalog, seminars, and independent study and research.

Service Courses. The School of Health and Physical Education offers credit courses for all students in the University. These courses are organized as instruction in skills and in the principles of physical conditioning and health.

The University requirements for the Junior Certificate include five terms of physical education and a course in health education, unless the student is excused by the dean of the school.*

Courses which fulfill the requirement for the Junior Certificate are: PE 180 for women; and PE 190 for men. (Not more than one hour of credit may be earned in these courses in any one term.) Women students satisfy the health-education requirement with HE 114, 115, 116. Men students satisfy this requirement with HE 150. Either men or women may satisfy the requirement with HE 250. Majors or other students preparing for the teaching of physical education satisfy the physical-education requirement with professional activity courses.

The student's program in physical education is adjusted to his needs and abilities. Whenever possible, the work is adapted to remedy physical disabilities.

Elective service courses (regularly scheduled classes) in physical activities are provided for juniors and seniors. A total of not more than 12 term hours may be earned toward graduation in lower-division and upper-division service courses in physical education. Not more than one hour may be earned in any one term.

Fees. Payment of regular University registration fees entitles every student to the use of gymnasium, pools, and showers, to the use of gymnasium and swimming suits and towels, and to laundry service, whether or not they are registered for physical-education courses. (A special instruction fee of \$15.00 is paid by students electing golf in activities courses.) Students are urged to make full use of the gymnasium facilities for exercise and recreation.

Intramural Sports. The School of Health and Physical Education sponsors a comprehensive program of intramural sports. A primary purpose of the program is to encourage sportsmanship and friendly relations as widely as possible among the students of the University through athletic competition. Individual and group competitive sports for men are organized under the guidance of the department for men. The department for women provides a wide variety of sports for women

* Veterans of World War II are granted 6 term hours of credit for health and physical-education instruction received in the armed services, and are exempt from Junior Certificate requirements in these fields; they may, however, earn 6 term hours additional credit in upper-division elective courses in physical activities.

students. Student leadership for women's athletics is furnished by the Women's Athletic Association.

* **Facilities.** The University's building and playfields devoted to physical-education instruction and recreation occupy a 42-acre tract at the southeast corner of the campus. The Physical Education Building, erected in 1936, provides offices, classrooms, study halls, and seminar rooms for the school and gymnasium facilities for men. The building is planned especially for the professional training of teachers of physical education, as well as for the recreational needs of students. The men's swimming pool is in a separate building in the northeast section of the campus.

The women's gymnasium and the women's swimming pool are in Gerlinger Hall, west of the Physical Education Building across University Street. There are special playing fields for women south and west of Gerlinger.

Adjoining the Physical Education Building to the south is McArthur Court, the basketball pavilion and athletic center of the Associated Students. McArthur Court seats 6,500 spectators at athletic events and 8,000 persons when used as an assembly hall.

Playing fields located east and south of the Physical Education Building provide excellent facilities for outdoor class instruction and for intramural and intercollegiate sports. Hayward Stadium, the Associate Students' athletic field, has seats for 20,000 spectators. North of Hayward Stadium are fourteen standard concrete tennis courts.

Curricula in Health and Physical Education

LOWER-DIVISION CURRICULUM

Freshman Year

	Term hours		
	F	W	S
Introduction to Physical Education (PE 121)	2	—	—
Physical-education activities	2	2	2
Biological-Science Survey (GS 101, 102, 103)	4	4	4
*Elements of Algebra (Mth 10)	—	—	4
English Composition (Rht 111, 112, 113)	3	3	3
Military Science (Mil 111, 112, 113) (men)	1	1	1
Electives	3	5	1
	15	15	15

Sophomore Year

Physical-education activities	2	2	2
Essentials of Physics (Ph 101, 102, 103)	3	3	3
Elementary Chemistry (Ch 101, 102)	4	4	—
Principles of Dietetics (HEc 225)	—	—	2
General Psychology (Psy 201, 202)	3	3	—
Military Science (Mil 211, 212, 213) (men)	1	1	1
Electives	3	3	3
	16	16	16

UPPER-DIVISION—CURRICULUM I

Junior Year

Physical-education activities	2	2	2
Professional courses (PE 341, 342, 343)	3	3	3
School health education (HE 361, 362, 363)	3	3	3
Introduction to Bacteriology (Bi 311)	3	—	—
Human Physiology (Bi 312, 313)	—	3	3
Electives	5	5	5
	16	16	16

* Required for students who cannot qualify for admission to Mth 100.

Senior Year

	Term hours		
	F	W	S
Physical-education activities and coaching	2	2	2
Professional courses (PE 444, 445, 446)	3	3	3
School health education (HE 464, 465)	3	3	-
Human Anatomy, Kinesiology, Physiology of Exercise (PE 471, 472, 473)	3	3	3
Electives	5	5	8
	16	16	16

UPPER-DIVISION—CURRICULUM II

Junior Year

Physical-education activities	2	2	2
Professional courses (PE 341, 342, 343)	3	3	3
School health education (HE 361, 362, 363)	3	3	3
Human Physiology (Bi 312, 313)	3	3	-
Electives	5	5	8
	16	16	16

Senior Year

No specific course requirements. The student and his adviser will plan the program best suited to the student's needs and interests from physical-education and other University offerings	16	16	16
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Courses in Health Education

SERVICE COURSES

LOWER-DIVISION COURSES

HE 114, 115, 116. Health Education. 1 hour each term.

Study of the major problems of individual and community health which confront the college student; the basic scientific principles of healthful living. Required of all freshman women. 1 period.

HE 150. Health Education. 1 hour any term.

Study of the major problems of individual and community health which confront the college student; the basic scientific principles of healthful living. Required of all freshmen. 1 period. Hoyman.

HE 250. Personal Health. 2 or 3 hours any term.

Exercise, nutrition, infection and resistance, special senses, mouth hygiene, sex hygiene, rest and sleep, fresh air and sunshine. Satisfies the health-education requirement. May not be taken by women who have had HE 114, 115, 116; men who have had HE 150 may take HE 250 for 2 hours credit only. Hoyman.

HE 251. Community Health. 3 hours winter or spring.

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

HE 252. First Aid. 3 hours any term.

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

PROFESSIONAL COURSES

UPPER-DIVISION COURSES

HE 358. Safety Education. 3 hours spring.

Basic principles of safety education; current safety programs, methods, source materials, visual aids. Individual and group projects in the organization of materials for teaching safety education in public schools. Washke.

HE 361. Community Health Problems. 3 hours fall.

Designed primarily for health teachers in the public schools. Basic community health problems important in health instruction. Prerequisite: junior standing in health and physical education, or consent of instructor. Hoyman.

HE 362. Personal Health Problems. 3 hours winter.

For health teachers in the public schools. Hygienic care of the body and other personal health problems important in health instruction. Prerequisite: junior standing in health and physical education, or consent of instructor. Hoyman

HE 363. Preventive Hygiene. 3 hours spring.

Nature, prevention, and control of common communicable diseases, considered in relation to health instruction in the public schools. Prerequisite: junior standing in science or health and physical education. Hoyman.

HE 464. Health Instruction. (G) 3 hours fall.

Methods and materials in health instruction for junior and senior high schools. Special emphasis on the construction of health teaching units for secondary schools. Prerequisite: HE 361, 362, 363 or consent of instructor. Hoyman.

HE 465. School Health Service. (G) 3 hours winter.

Purposes and procedures of health service in the schools; control of common-communicable diseases; technique of pupil health appraisal by the teacher. Prerequisite: HE 361, 362, 363 or consent of instructor. Hoyman.

GRADUATE COURSES

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

HE 501. Research in Health Education. Hours to be arranged.**HE 503. Thesis.** Hours to be arranged.**HE 505. Reading and Conference.** Hours to be arranged.**HE 506. Special Problems.** Hours to be arranged.

Study of selected problems in the field of health education.

HE 507. Seminar. Hours to be arranged.

A seminar dealing with special aspects of health education is conducted each term. Open to qualified graduate students and required of all candidates for advanced degrees.

HE 543. Advanced Health Instruction. 3 hours spring.

Organization of the public school health-instruction program; for health teachers, supervisors, and coordinators. Basic steps in the development of the program. Prerequisite: HE 464 or consent of instructor. Hoyman.

HE 552. Administration of School Health Education. 3 hours winter.

Organization and administration of the school health program. Hoyman.

Courses in Physical Education

SERVICE COURSES

LOWER-DIVISION COURSES

PE 180. Elementary and Advanced Physical Education. 1 hour each term, six terms.

A variety of activities taught for physiological and recreational values. Special sections for restricted and corrective work. A total of five terms required during the freshman and sophomore years for all University women. 3 periods.

- PE 190. Elementary and Advanced Physical Education.** 1 hour each term, six terms.

A variety of activities taught for physiological and recreational values. Special sections for restricted and corrective work. A total of five terms required of all men during the freshman and sophomore years. 3 periods.

UPPER-DIVISION COURSES

- PE 380. Physical Education for Juniors and Seniors.** 1 hour each term, six terms.

A variety of activities taught for physiological and recreational values. Elective for junior and senior women. 3 periods.

- PE 390. Physical Education for Juniors and Seniors.** 1 hour each term, six terms.

A variety of activities taught for physiological and recreational values. Elective for junior and senior men. 3 periods.

PROFESSIONAL COURSES

LOWER-DIVISION COURSES

- PE 121. Introduction to Physical Education.** 2 hours fall.

Basic mechanics of movement, form, and skills in activities. Basic principles of physiology of exercise.

- PE 124, 125, 126. Physical-Education Activities (Women).** 2 hours each term.

For majors. Instruction and practice. Fall: fundamentals I, elementary swimming; winter: fundamentals II, tumbling; spring: tennis, elementary dancing.

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

For majors.

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

For majors.

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

For majors. Basic principles of conditioning; skills of track and field events.

- PE 224, 225, 226. Physical-Education Activities (Women).** 2 hours each term.

For majors. Instruction and practice. Fall: soccer and speedball, hockey; winter: basketball, swimming; spring: advanced swimming, square dancing.

- PE 227. Elementary Aquatics (Men).** 2 hours fall.

For majors. Elementary swimming, diving.

- PE 228. Elementary Combatives (Men).** 2 hours winter.

For majors. Wrestling, boxing, judo.

- PE 229. Team Sports (Men).** 2 hours spring.

For majors. Soccer, speedball, softball.

UPPER-DIVISION COURSES

- PE 324, 325, 326. Physical-Education Activities (Women).** 2 hours each term.

For majors. Advanced practice and teaching techniques. Fall: soccer, speedball, fundamental activities, tumbling, apparatus; winter: folk dancing, low-organization games; spring: swimming, track and field, softball.

- PE 327. Advanced Aquatics (Men).** 2 hours fall.
For majors. Swimming, diving, water polo, life saving. Prerequisite: PE 227.
- PE 328. Advanced Tumbling and Apparatus (Men).** 2 hours winter.
For majors.
- PE 329. Track and Field (Men).** 2 hours spring.
For majors. Skills in track and field events.
- PE 341. Principles and Practices of Physical Education.** 3 hours fall.
An interpretative study and analysis of the principles and practices of physical education, through their historical development and in their present application and significance. Sprague.
- PE 342. Class Techniques in Physical Education.** 3 hours winter.
Organizing and conducting physical-education classes in the secondary schools; attendance, roll call, pupil assistance in large classes, checking out and in of equipment, showering, records, use of bulletin boards. Mohr, Sprague.
- PE 343. Organization and Administration of Physical Education.** 3 hours spring.
Planning and organizing the use of buildings, grounds, and recreational areas for the physical-education programs; purchase and care of equipment; budgeting equipment and operating costs. Mohr, Sprague.
- PE 346. Principles of Camp Leadership.** 3 hours winter.
For students training for camp counseling. Principles of organization; purposes and functions of camps; general principles of youth-organization programs.
- PE 359. Problems of the Athletic Trainer.** 2 hours winter.
Bandaging, massage, and other specialized mechanical aids for the prevention of athletic injuries. Analysis of types of injuries; emergency procedures. Hughes.
- PE 403. Thesis.** Hours to be arranged.
Thesis based on student's own investigation. Subjects chosen after consultation with adviser. Credit determined by quality of work done.
- PE 405. Reading and Conference.** Hours to be arranged.
Reading and assignments in connection with other courses for extra credit. Honors reading. Enrollment only with consent of instructor.
- PE 406. Special Problems.** Hours to be arranged.
- PE 415. Supervised Direction of Camps and Playgrounds.** 1 to 6 hours any term (9 hours maximum credit).
Supervised experience in direction of group recreation and group education for students who are not working toward a teacher's certificate. Mohr.
- PE 421. Dance Composition.** 2 hours fall.
Studies of the fundamentals of dance composition; development of individual and group dance sketches and compositions. Accompaniment for the dance; experimentation with various types of accompaniment. Taken in conjunction with PE 481. 3 two-hour periods. Wentworth.
- PE 422. Dance Workshop.** 2 hours winter.
Individual and group dance composition. Experimentation in lighting and costuming dances for concert production. Taken in conjunction with PE 482. 3 two-hour periods. Prerequisite: PE 421. Wentworth.
- PE 423. Technique of Teaching Modern Dance.** 2 hours spring.
Materials, methods, and class organization for teaching modern dance; unit planning; experience in lesson planning and teaching. Prerequisite: PE 422, PE 481, 482. 5 one-hour periods. Wentworth.

- PE 424, 425, 426. **Physical-Education Activities (Women)**. 2 hours each term.
For majors. Advanced practice and teaching techniques. Fall : folk and square dance ; winter : basketball, volleyball, badminton, small-court games ; spring : archery, tennis.
- PE 427. **Team Sports (Men)**. 2 hours fall.
For majors. Six-man football and touch football ; volleyball.
- PE 428. **Advanced Combatives (Men)**. 2 hours winter.
For majors. Boxing, wrestling, judo.
- PE 429. **Individual Sports (Men)**. 2 hours spring.
For majors. Two sports selected from tennis, golf, archery, badminton, and handball.
- PE 444. **The School Program**. 3 hours fall.
Practical construction of physical-education and intramural programs, on the basis of accepted principles, criteria, and functions ; emphasis on integration with the total school program. Mohr, Sprague.
- PE 445. **Tests and Measurement in Physical Education**. 3 hours winter.
Use of tests and measurements in physical education ; evaluation of objectives, programs, and student achievement through measurement techniques. Mohr.
- PE 446. **Corrective Physical Education**. 3 hours spring.
Common corrective problems among elementary- and secondary-school pupils ; correction through adaptations of the physical-education program, individual attention, reference to specialists. Prerequisite: PE 471, 472. Sigereth.
- PE 450. **Football Fundamentals**. 2 hours winter.
Individual offensive and defensive play for each position. Stance, starts, charging, blocking, tackling, interference running, passing, kicking. Team offensive and defensive fundamentals. For prospective coaches. Aiken.
- PE 451. **Football Coaching**. 2 hours spring.
Rules, systems of play, strategy, responsibilities of the coach, public relations, conference organization. Aiken.
- PE 452. **Basketball Fundamentals**. 2 hours spring.
Individual fundamentals ; foot work, drills, dribbling, passing, shooting, back-board play, individual offense and defense ; defensive team plays. For prospective coaches. Warren.
- PE 453. **Basketball Coaching**. 2 hours fall.
Coaching methods and problems. Fundamentals of team play ; comparison of systems ; strategy ; training, conditioning ; rules ; officiating ; selection of men for positions. Warren.
- PE 454. **Baseball Fundamentals**. 2 hours fall.
Batting, base running, sliding ; how to play each position. Offensive and defensive team plays, squeeze plays, hit-and-run plays, backing-up plays, coaching assignments, battery work. For prospective coaches. Kirsch.
- PE 455. **Baseball Coaching**. 2 hours spring.
Review of fundamentals, with emphasis on methods of instruction ; problems and duties of the baseball coach, including baseball strategy, rules and umpiring, baseball psychology, training, conditioning. Kirsch.
- PE 456. **Track Coaching**. 2 hours winter.
Principles of training ; development of performance for each track event. Selection of men for different events ; conducting meets, officiating. Warren.

PE 471. Human Anatomy. 3 hours fall.

Gross anatomy; the skeletal and muscular structure, the circulatory, respiratory, digestive, and neural systems, and their functioning in physical activities. Prerequisite: two years of biology, senior standing. Sigereth.

PE 472. Kinesiology. 3 hours winter.

Body mechanics, applied to calisthenics, gymnastics, and athletics. Prerequisite: PE 471. Sigereth.

PE 473. Physiology of Exercise. 3 hours spring.

Physiological effects of muscular exercise, physical conditioning, and training. Significance of these effects for health and for performance in activity programs. Prerequisite: PE 472. Sigereth.

PE 481, 482, 483. Theory of the Dance. (G) 3 hours each term.

Fall: theory of the dance; winter: dance production; spring: history of the dance. Wentworth.

PE 499. Community Recreation. 3 hours winter.

Theories of play; basic individual and social needs for group recreation; nature and functions of recreation; principles of program and personnel organization.

GRADUATE COURSES

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

PE 501. Research in Physical Education. Hours to be arranged.**PE 503. Thesis.** Hours to be arranged.**PE 505. Reading and Conference.** Hours to be arranged.**PE 506. Special Problems.** Hours to be arranged.

Study of selected problems in the field of physical education or recreation.

PE 507. Seminar. Hours to be arranged.

Seminars dealing with special aspects of physical education or recreation are conducted each term. Open to qualified graduate students and required for all candidates for advanced degrees.

PE 515. History and Theories of Physical Education. 3 hours fall.

The history of physical education from the Greeks to modern times. Special emphasis on modern developments, and on current professional organization and relationships. Leighton.

PE 521, 522, 523. Corrective Physical-Education Studies. Hours to be arranged.

Fall and winter: basic problems and procedures of corrective physical education; spring: teaching methods. Prerequisite: PE 471, 472 or equivalent. Sigereth.

PE 531, 532, 533. Physical-Therapy Studies. Hours to be arranged.

The agencies, their uses; specific studies and techniques of importance to physical educators.

PE 551. Administration of Physical Education. 3 hours fall.

Organization and administration of the physical-education program in the public schools. Leighton.

PE 553. Administration of Recreation. 3 hours spring.

Organization and administration of recreational programs in recreational districts, communities, and municipalities; legal aspects, sources of funds, types of programs.

PE 556. Administration of Buildings and Facilities. 3 hours winter.

Building layout and equipment; the relationship of the various functional units—equipment service, dressing facilities, activity spaces, administrative units, permanent and dismantlable equipment. Leighton.

PE 561. Physiological Growth Factors. 3 hours fall.

The relationship of child growth and development (physical, nutritional, endocrine, and environmental) to the school situation and to the physical activity of the child. Prerequisite: 9 hours of physiology or equivalent.

PE 562. Anthropometric Measurements in Physical Education. 3 hours winter.

Principles and methods of anthropometry as applied to physical growth and development. Instruments and techniques of measurement; methods of appraising physical status; review and analysis of recent research.

PE 563. Training and Conditioning for Athletics. 3 hours spring.

An analysis, for the coach and teacher of physical education, of the physiological effects of the specialized and strenuous activities involved in interscholastic and intercollegiate athletic competition.

PE 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.

School of Journalism

*CLIFFORD FRANCIS WEIGLE, M.A., Dean of the School of Journalism.

†GEORGE STANLEY TURNBULL, M.A., Dean of the School of Journalism.

MARY LOTHIAN, B.A., Secretary of the School of Journalism.

PROFESSORS: L. R. CAMPBELL, W. F. G. THACHER (emeritus), G. S. TURNBULL†,
C. F. WEIGLE*.

ASSOCIATE PROFESSORS: R. C. HALL†, W. C. PRICE.

ASSISTANT PROFESSORS: R. D. MILLICAN, C. C. WEBB.

INSTRUCTOR: H. E. HEATH, JR.

LECTURER: W. M. TUGMAN.

ASSISTANTS: J. L. BILLINGS, L. S. SCHLANGEN.

A DEPARTMENT of journalism was organized at the University in 1912, and was raised to the rank of school in 1916. The School of Journalism has three purposes: to guide students intending to enter the profession of journalism toward a broad and liberal education; to provide professional preparation for the various branches of journalism, advertising, and publishing; and to contribute, insofar as an educational institution can, to the progress and improvement of the American press. In addition to its professional curriculum the School of Journalism offers service courses for majors in other fields.

Admission. Effective with the opening of the fall term, 1948-49, the curriculum of the School of Journalism will be reorganized on an upper-division and graduate level. Freshman and sophomore students planning to major in journalism will be classified as majors in liberal arts, and will be admitted to the School of Journalism only after they have completed the requirements for the Junior Certificate in the College of Liberal Arts. An additional admission requirement will be a minimum grade-point average of 2.25 for all lower-division work; this requirement may be modified by special permission of the dean of the School of Journalism.

Freshman and sophomore students intending to major in journalism will be assigned advisers from the faculty of the School of Journalism, who will assist them in arranging lower-division programs to provide a sound cultural background for their later professional studies.

Under a special arrangement for students who were registered as lower-division majors in journalism at the time the new admission requirements were adopted, these students will be admitted to professional work in journalism on completion of the professional-school requirements for the Junior Certificate, provided they satisfy these requirements not later than the spring term of 1948-49.

Students planning to major in journalism are advised to devote themselves, during their high-school and lower-division college years, to obtaining a substantial preparation in a modern foreign language, in the physical and social sciences, and in other solid branches of knowledge. Ability to use the typewriter is required of students entering the School of Journalism; proficiency in shorthand is recommended but not required.

* Appointment effective July 1, 1948.

† Retirement effective June 30, 1948.

Curriculum. Professional courses in journalism are closely correlated with work in the social sciences and in literature, and are designed and taught as an integral part of a cultural education. The student is expected to elect, in addition to professional courses, a program of studies in liberal arts and sciences, with courses in history, economics, sociology, political science, philosophy, science, language, and literature to provide an understanding of the problems of modern life.

Through its faculty advisers, the school supervises the student's entire program. Somewhat different curricula are planned for individual students, as the advisers discover their individual abilities and professional aims. Three principal types of curricula are available: (1) for writing and editing; (2) for publishing and advertising; and (3) for executive management. There is also opportunity for specialization in typography and in radio journalism, including radio news writing, radio editing, and radio advertising.

A student who has had practical experience in some phase of journalism before entering the school is not required to repeat this training, beyond a single term to determine the soundness of his preparation. Such a student is directed to courses best suited to his individual stage of development.

As a part of their work in professional courses, groups of advanced students cover downtown Eugene beats, and write and edit the news as if for a daily paper. They also receive and handle news of the world over the Associated Press and United Press teletype equipment installed in the news room, and process news, features, and pictures supplied by various syndicates. Pages are dummied. All of the work of getting out a newspaper is done—except the printing.

Journalism students also get valuable practical experience through working on the OREGON DAILY EMERALD, the University student newspaper.

Courses in advertising are offered by the School of Journalism in cooperation with the School of Business Administration.

Equipment. The School of Journalism has its quarters in the Journalism Building, a three-story brick structure completed for occupancy in the spring of 1923. There is an adequate supply of typewriters for the use of journalism students. Current files of many newspapers are available for student use. Teletype receiving and sending equipment is a part of the school's equipment.

Students in typography and newspaper-management courses do their laboratory work at the University Press, a model printing plant with excellent instructional facilities. The Press is housed in a separate building, erected near the Journalism Building in 1925. The John Henry Nash Fine Arts Press, a department of the University Press devoted to fine printing, is endowed by friends of the School of Journalism.

Suggested Curriculum in Journalism

B.A., B.S., B.J., M.A., M.S. Degrees

Courses marked (*) are required of all majors. Others are suggested by the adviser after consideration of the student's needs.

	Freshman Year		
	Term hours		
	F	W	S
Elementary Journalism (J 211, 212, 213)	3	3	3
Survey of English Literature (Eng 101, 102, 103); or Physical-Science Survey (GS 104, 105, 106)	3-4	3-4	3-4
English Composition (Rht 111, 112, 113)	3	3	3
Foreign language, mathematics, or social sciences	4-6	4-6	4-6
Physical Education	1	1	1
Military, Science (men) or Health Education (women)	1	1	1
	15-18	15-18	15-18

Sophomore Year

	Term hours		
	F	W	S
Backgrounds of Publishing (J 311, 312)	3	4	-
Typography Laboratory (J 313, 314)	1	1	-
Foreign language or social science (history, economics, sociology, political science, geography, psychology, philosophy)	4	4	4
Physical Education	1	1	1
Military Science (men)	1	1	1
Suggested electives—Shakespeare, Short Story, Principles of Economics, History of Western Civilization, English History, History of Philosophy, American Governments, General Psychology, General Sociology, General Anthropology, courses in biological or physical sciences	5-8	4-7	9-12
	15-18	15-18	15-18

Junior Year

*Reporting (J 331, 332, 333)	3	3	3
General Advertising (J 339)	3	-	-
Public Finance (Ec 418)	-	4	-
Retail Advertising (J 445)	-	3	-
Law of the Press (J 420)	3	-	-
Articles and Features (J 421, 422)	3	3	-
Suggested electives—Money and Banking, Public Finance, Labor Problems, Twentieth-Century Literature, Criticism, Europe since 1815, Character and Personality, Criminology, philosophy, History of Journalism	3-4	2-3	12-13
	15-16	15-16	15-16

Senior Year

*Copyediting (J 434)	3	-	-
Newspaper Desk Work (J 435)	-	2	-
Newsroom Policies (J 436)	-	-	2
*Investigative Methods in Editing (J 481, 482, 483)	5	5	5
Newspaper Problems and Shop Management (J 411, 412, 413)	3	3	3
Suggested electives—English Novel, American Novel, Estimating on Printing Jobs, International Trade, International Economic Policies, Conservation of Natural Resources, Economic Problems of the Pacific, Recent Germany, Tsarist Russia, Soviet Union, Europe since 1939, History of China and Japan, International Organization, Comparative Journalism	3-5	4-6	4-6
	14-16	14-16	14-16

Courses in Journalism

LOWER-DIVISION COURSES

J 211, 212, 213. Elementary Journalism. 3 hours each term.

The American newspaper; its place in the social order; its methods and techniques. Fundamentals of reporting, interviewing, news analysis, note taking, news gathering, news writing.

Rht 213, 214, 215. Short-Story Writing. 2 hours each term.

Designed to develop proficiency in the art of writing the short story. Prerequisite: consent of instructor.

UPPER-DIVISION COURSES

J 305. Reading and Conference. Hours to be arranged.

Individual work with honors students to meet special situations, such as desire to pursue some specialty intensively, desire to work by other than classroom methods, and desire to pursue independent research.

J 311. Backgrounds of Publishing. 3 hours fall.

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

J 312. Backgrounds of Publishing. 4 hours winter.

Newspaper advertising: space-selling techniques; elementary retail advertising; layout, copy, use of mat services; rates, contracts. Weekly newspaper management: income sources, newspaper-business law, newspaper merchandising, commercial printing, cost accounting, bookkeeping.

J 313, 314. Typography Laboratory. 1 hour each term.

Accompanies J 311, J 312. Practice in printing fundamentals.

J 331, 332, 333. Reporting. 3 hours each term.

Study of community affairs, courts, and public offices. News sources. Coverage by students of local city news. Work of the city editor and rewrite man. Telephone reporting.

J 339. General 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 use of media; newspapers, magazines, broadcasting, outdoor advertising, direct mail, etc. Millican.

J 341. Introduction to the Magazine. 3 hours.

Survey of the magazine field, including business papers, the specialized press, and company publications. Analysis of the principal magazine types; editorial, business, and mechanical aspects. Lectures, discussions, written assignments, and special projects. No prerequisite. Campbell.

J 401. Research. Hours to be arranged.**J 405. Reading and Conference.** Hours to be arranged.**J 407. Seminar.** Hours to be arranged.**J 411, 412, 413. Newspaper Problems and Shop Management.** (G) 3 hours each term.

Managerial problems of country and small city newspapers; advertising and rate structures; circulation promotion and audits; financing and evaluating newspapers; newspaper accounting; equipment; etc. Webb.

J 421, 422. Articles and Features. (G) 3 hours each term, fall and winter.

Writing magazine and Sunday articles. Literary markets. The use of photographs, drawings, diagrams, maps, etc. Students are expected to sell some of their products. Campbell.

J 427. Law of the Press. (G) 3 hours.

Libel, right of privacy, contempt of court, literary property (including copyright), constitutional guarantee of freedom of the press, Federal regulations; other phases of law bearing on the press. Price.

J 428. History of Journalism. (G) 3 hours winter.

The newspaper, its forerunners, and other communications agencies during the last three hundred years, in relation to their economic, social, and political background.

J 429. Journalism and Public Opinion. (G) 3 hours spring.

Influence of opinion by newspapers, magazines, and radio; sociological, political and psychological principles involved. Techniques of measurement in opinion polls. Prerequisite: senior standing in journalism or consent of instructor. Price.

J 430. Comparative Journalism. (G) 3 hours.

Advanced study of the press, intended for students preparing for careers in journalism, education, business, or governmental administration. Study of the American and foreign press, with reference to the leading papers, news-distributing agencies, and personalities. Price.

J 431. Radio News Writing. 2 hours.

History, theory, and practice of preparing news copy for radio broadcasting; adapting press-service copy for radio presentation; writing and adapting local copy for radio presentation; Prerequisite: J 331, 332, 333, J 434; or concurrent registration. Heath.

J 432. Radio News Program Building. 3 hours.

Designed to acquaint the student with all aspects of the preparation, reporting, and broadcasting of radio news. Special emphasis on the building of news programs. Intensive laboratory training under newsroom conditions. Prerequisite: J 431. Heath.

J 434. Copyediting. 3 hours.

Lectures and laboratory experience in editing various types and grades of copy; analysis of news, study of news values; headline writing. Copy provided by wire services and by students in reporting classes.

J 435. Newspaper Desk Work. 2 hours.

Laboratory practice in editing and headline writing. Copy provided by wire services and by students in reporting classes.

J 436. Newsroom Policies. 2 hours.

Application of policies to various types of news copy. An advanced course. Prerequisite: J 434, J 435 or equivalent.

J 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 materials. Prerequisite: J 339. Millican.

J 441. Radio Advertising. 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: J 339. Millican.

J 443. Space Selling. (G) 3 hours fall.

The salesmanship of advertising, including a description of the organization and methods of the advertising department of newspapers and other publications. Prerequisite: J 339. Millican.

J 444. Advertising Problems. (G) 3 hours spring.

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: J 339, J 440. Millican.

J 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: J 339. Millican.

J 446. Advertising Copywriting. 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. Prerequisite: 9 hours in advertising. Millican.

J 451, 452, 453. Graphic Journalism. 2 hours each term.

Limited to selected majors. Instruction in the use of the camera to enable the student to take news pictures. Study of the use of pictures in the press. Webb.

J 461. Magazine Editing. 3 hours.

Principles and problems of magazine editing; content selection, use of pictures, headline writing, caption writing, layout, makeup, typography; editorial

responsibility. Lectures, discussions, written assignments, and special projects. Prerequisite: upper-division standing; J 434. Campbell.

J 471, 472. Estimating on Printing Jobs. 1 hour each term.

Elective for seniors who expect to work in smaller cities. Prerequisite: courses in publishing and printing.

J 481, 482, 483. Investigative Methods in Editing. (G) 5 hours each term.

Discovery of enlightened opinion on public affairs. Application of social sciences to problems of the day. Editorial writing. Preparation of radio news and opinion scripts. Methods by which an editor attains authentic judgement.

GRADUATE COURSES

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

J 503. Thesis. Hours to be arranged.

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

J 507. Seminar. Hours to be arranged.

For students having the necessary preparation for specialized original investigation.

School of Law

ORLANDO JOHN HOLLIS, B.S., J.D., Dean of the School of Law.

LOIS INMAN BAKER, M.A., Law Librarian.

LOIS ACKERMAN, Secretary to the Dean.

PROFESSORS: O. J. HOLLIS, C. G. HOWARD, K. J. O'CONNELL, C. E. SPENCER*,
J. D. BARNETT (emeritus).

ASSISTANT PROFESSOR: A. H. SMITH.

SPECIAL LECTURERS: S. R. DARLING, P. B. LOWRY, D. C. SHAW, O. F. VONDERHEIT.

THE University of Oregon School of Law was established in 1884 as a night law school in the city of Portland. It was moved to the Eugene campus in 1915, and reorganized as a regular division of the University. At that time entrance requirements were increased from high-school graduation to two years of college work. The School of Law was admitted to the Association of American Law Schools in December 1919; the standards of the school were approved by the American Bar Association in August 1923.

Admission to the School of Law. Under the rules of the Association of American Law Schools member schools must "require of all candidates for any degree, other than special students, at the time of the commencement of their law study, the completion, in residence, of one-half of a four-year course of study acceptable for a bachelor's degree at the state university of the state in which the prelaw work is taken, or in the event there is no state university then a principal college or university located therein; except that not more than ten per cent of the credit presented for admission may include credit earned in nontheory courses in military science, hygiene, domestic arts, physical education, vocal or instrumental music or other courses without intellectual content of substantial value."

The rules of the association further provide that "a student's prelegal work must have been passed with a scholastic average at least equal to the average required for graduation in the institution attended, and this average shall be based on all the work undertaken by the student in his prelaw curriculum, exclusive of nontheory courses in military science, hygiene, domestic arts, physical education, vocal or instrumental music, or other courses without intellectual content of substantial value."

The University of Oregon School of Law requires, in addition, the fulfillment of all requirements for the Junior Certificate, granted by the University on the completion of lower-division work. (Three years of prelegal work will be required for admission to the School of Law under new regulations recently adopted. The new regulations become fully effective for all students in the fall of 1949 (see page 222).

All students intending to enter the School of Law must file a formal application for admission with the dean of the school. Official application forms may be made or obtained from the School of Law.

Students intending to transfer to the University from other institutions and to enter the School of Law must also submit, to the University Registrar, complete records of all school work beyond the eighth grade. For failure to submit

* On leave of absence, winter and spring terms, 1947-48.

complete records, the University may cancel the student's registration. This regulation applies to work taken at other law schools, whether or not the student wishes to transfer credit.

The School of Law admits students to the professional study of law only at the opening of the fall term of each academic year.

Prelegal Curriculum. Upon entering the University, each prelegal student is assigned an adviser from the faculty of the School of Law. The student is allowed considerable freedom of choice in selecting his courses, as long as his program provides a substantial cultural background. The prelegal adviser, after considering the student's high-school record and any available evidence of his native abilities, assists him in working out a program that will provide such a background. The student's program should include courses which will enable him to meet all the general University requirements for the Junior Certificate by the end of the second year of his prelegal studies.

Law students may, under University regulations, count a maximum of 48 term hours (a year's work) in professional law courses toward fulfillment of the requirements for a nonprofessional baccalaureate degree. A student taking three years of prelegal work may, therefore, obtain the B.A., B.S., or B.B.A. degree at the end of his first year in the School of Law (fourth year in the University), provided all other degree requirements are met.

In the fall of 1947, the School of Law adopted new regulations governing prelegal requirements, for the purpose of assuring, for its professional students, a stronger background of cultural studies. Students beginning their prelegal studies in 1947-48 or later will be held for the new requirements. Students who began their prelegal studies before 1947-48 will be admitted to the professional law curriculum in the fall of 1948 on the satisfaction of the old requirements. The new requirements will be in effect for all students with the beginning of the academic year 1949-50. The old and the new requirements are as follows:

Old Prelegal Requirements. Completion of two years of prelegal studies, and satisfaction of all general University requirements for the Junior Certificate; completion of the first-year basic college course in accounting (BA 111, 112, 113 or equivalent).

New Prelegal Requirements. Completion of three years of prelegal studies, including: (1) satisfaction of all general University requirements for the Junior Certificate; (2) completion of the first-year basic college course in accounting (BA 111, 112, 113 or equivalent); (3) a minimum of 138 term hours of credit, of which not more than 13 term hours may be in nontheory courses in military science, hygiene, domestic arts, physical education, vocal or instrumental music, or other courses without intellectual content of substantial value; (4) a minimum of 36 term hours of work in courses in the general field of social science; (5) a cumulative grade-point average of at least 2.00 (a C average) for all prelegal work.

Registration and Fees. Law students register and pay their fees at the time set in the University calendar for undergraduate registration. Students who have not completed all work for a bachelor's degree pay the regular undergraduate registration fees. Law students who have earned a bachelor's degree pay the graduate fee, but are not allowed an extension of time for registration and payment of fees, as are regular graduate students.

Degrees and Graduation Requirements. The School of Law offers standard curricula leading to the Bachelor of Laws and Doctor of Jurisprudence degrees. A

total of at least three years' resident study in this or in some other law school of recognized standing is required of every applicant for a law degree, of which, normally, the last two years must be spent at this University. The School of Law reserves the right to withhold recommendation for a degree to any student who, in the opinion of the faculty of the school, does not possess the character and abilities essential to the maintenance of the public trust with which the legal profession is vested.

Bachelor of Laws. Students who have met the requirements for admission to the School of Law, and who have successfully completed courses in law aggregating 120 hours and have otherwise satisfied the requirements of the University and of the School of Law, will be granted the degree of Bachelor of Laws (LL.B.). For the LL.B. degree the student must have a minimum grade average of C over the full three years of his work in the School of Law.

Doctor of Jurisprudence. The degree of Doctor of Jurisprudence (J.D.) will be granted to students who, in addition to fulfilling the requirements for an LL.B. degree:

- (1) Obtain (at least one year before completing work for the law degree) the Bachelor of Arts, Bachelor of Science, or Bachelor of Business Administration degree, or an equivalent degree from this University or some other institution of recognized collegiate rank.

- (2) Earn a minimum average grade of B in the School of Law.

- (3) Complete 3 term hours in Thesis (L 503), involving the preparation, under the direction of the faculty of the School of Law, of a thesis or series of legal writings of high merit.

- (4) Comply with such other requirements as the law faculty may from time to time impose.

Transferred Credit. A student as a general rule may transfer not to exceed one year of credit earned in other law schools of recognized standing, provided the credit was earned subsequent to the completion of the prescribed prelegal work. In exceptional cases only, a student may be permitted to transfer not to exceed two years of credit. The right to reject any and all such credit is reserved.

Application for admission by a student who has attended another law school will not be considered unless: (1) the student is eligible for readmission in good standing to the school previously attended; and (2) the student's cumulative grade-point average for all professional law courses completed is at least 2.00 (a C average).

In determining whether a student who transfers credits from another law school has complied with the minimum grade average of C required for the LL.B. degree, only grades earned at the University of Oregon will be considered.

In determining whether a student who transfers credit from another law school has complied with the minimum grade average of B required for the J.D. degree, the following rules are applied:

- (1) If the grades earned elsewhere, when expressed in terms of the University grading system, are not equivalent to a grade of B, then both the grades earned elsewhere and the grades earned at the University will be considered in determining whether the student has a minimum average of B.

- (2) If the grades earned elsewhere, when expressed in terms of the University grading system, are equal to or better than a grade of B, then only the grades earned at the University will be considered in determining whether the student has a minimum average of B.

Facilities. The School of Law is housed in Fenton Hall, a three-story brick structure, with a fireproof annex in which the Law Library is located. Fenton Hall, named in honor of the late William David Fenton, Oregon attorney and benefactor of the school, was formerly the University Library. The building was extensively remodeled in 1938 to provide a permanent home for the School of Law.

The holdings of the Law Library total 36,000 volumes, including 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 journals. An excellent collection of publications relating to Oregon territorial and state law includes an extensive file of Oregon Supreme Court briefs.

The Law Library reading rooms are adjacent to the stacks, allowing students direct and easy access to the book collections.

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.

Order of the Coif. The Order of the Coif, national law-school honor society, maintains a chapter in the University of Oregon School of Law. The Order of the Coif was founded to encourage high scholarship, and to advance the ethical standards of the legal profession. Members are selected by the faculty during the spring term each year from the ten per cent of the third-year class who rank highest in scholarship. Character, as well as scholarship, is considered in selecting students to membership.

Phi Delta Phi Lecture Series. A series of lectures by prominent members of the Oregon bar is sponsored each year in the School of Law by Phi Delta Phi, professional legal fraternity. Through these lectures, the school is able to present to law students many special topics and problems of the profession which do not fall within the scope of any of the regular courses.

Prizes and Awards. The following prizes and awards are given annually to students in the School of Law: American Jurisprudence Prizes; American Law Book Prizes; Bancroft-Whitney Prize; Bureau of National Affairs Prize; Nathan Burkan Memorial Prizes; Lawyers Cooperative Prizes. For descriptions see pages 73-75.

Courses in Law

The School of Law assumes that its primary duty is owed to the people of the state of Oregon. For this reason, special emphasis is placed on Oregon substantive law and on Oregon procedure. Each course is organized to give the student a thorough foundation in the fundamental principles of the common law, and an understanding of the modification of common-law principles in Oregon by judicial decisions and statutes.

The curriculum is arranged as far as possible to present the fundamental topics of the law during the first year, and the more specialized subjects during the second and third years.

The right is reserved to make any desirable or necessary changes in the course offerings listed below.

All courses are required except those marked with an asterisk ().*

FIRST-YEAR COURSES

- L 412, 413. **Contracts.** 4 hours each term, fall and winter.

Formation of simple contracts; consideration; third-party beneficiaries; assignments; the Statute of Frauds; performance and breach; illegality; discharge. Patterson and Goble, *Cases on Contracts* (2nd edition). Howard.

- L 418. **Legal Bibliography.** 1 hour fall.

Legal reference materials; legislative enactments; judicial precedents; classes of law books; training in their mechanical use. Baker, Smith.

- L 419. **Common-Law Procedure.** 4 hours fall.

Introductory study of procedure in actions at law. The court system; methods of trial and appellate review; detailed study of common-law actions and pleadings. Keigwin, *Cases in Common Law Pleading* (2nd edition). Hollis.

- L 420, 421. **Rights in Land.** 3 hours each term, winter and spring.

Estates in land; concurrent ownership; remainders, reversions; uses, executory interests; perpetuities; descent; air space; nuisance; lateral support; waters; easements; licenses; profits. Bigelow, *Cases on Rights in Land* (3rd edition). O'Connell.

- L 422, 423. **Torts.** 4 hours each term, fall and winter.

Intentional invasions of interests of personality and property; negligence, causation, plaintiff's fault as a bar to recovery; fraud and deceit; defamation; trover and conversions. Bohlen, *Cases on Torts* (4th edition, rev. by Harper). Spencer.

- L 425, 426. **Criminal Law and Procedure.** 2 hours fall, 3 hours winter.

Nature of crime; source of criminal law; mental element; intent and motive; parties; the act; attempts; specific crimes; felonious intent; jurisdiction. Harno, *Cases on Criminal Law and Procedure* (2nd edition). Smith.

- L 427. **Agency.** 3 hours spring.

Nature of agency; creation; agent's duty to principal; rights of agent against principal; claims of third persons; ratification; undisclosed principal; termination. Seavey, *Cases on Agency*. Smith.

- L 428. **Personal Property.** 3 hours spring.

Possession of unappropriated or abandoned chattels, lost chattels, bailments, liens, pledges, accession and confusion, gifts, fixtures. Fraser, *Cases and Readings on Property*, vol. II. O'Connell.

- L 429. **Equity I.** 3 hours spring.

General scope of remedy of specific performance; fulfillment of conditions, powers of courts of equity; principles governing the exercise of equitable powers. Cook, *Cases on Equity* (3rd one-volume edition). Spencer.

SECOND-YEAR COURSES

- L 432. **Titles.** 4 hours fall.

Methods of conveyancing; deeds—writing, signature, seal, delivery, acceptance; surrender; description; rents; covenants; estoppel by deed; recording. Kirkwood, *Cases on Conveyances* (2nd edition). O'Connell.

- L 434. **Equity II.** 4 hours spring.

General scope of remedy of specific performance; fulfillment of conditions, express and implied; Statute of Frauds; equitable conversion; defenses to specific performance. Cook, *Cases on Equity* (3rd one-volume edition). Spencer.

L 436, 437. Bills and Notes. 3 hours fall, 2 hours winter.

The Negotiable Instruments Law; operative facts of negotiability; transfer, holders in due course, equities; the contractual element, liabilities of parties; discharge. Britton, *Cases on Law of Bills and Notes* (3rd edition). Howard.

L 439. Creditors' Rights. 4 hours spring.

Enforcement of judgments; attachment; garnishment; fraudulent conveyances; assignments; creditors' agreements; receivership; bankruptcy. Hanna and McLaughlin, *Cases on Creditors' Rights* (3rd edition).

***L 440. Insurance.** 3 hours.

Insurance organizations; state supervision; insurable interest; risk, warranties, representation, concealment; coverage; the contract; waiver, estoppel; elections; claims.

***L 444. Quasi Contracts.** 3 hours.

Obligations not contractual in fact but enforced as such, including such topics as payment of money by mistake, duress, or fraud, and waiver of tort. Not offered 1948-49.

***L 446. Domestic Relations and Persons.** 3 hours spring.

Rights, duties, liabilities, and privileges existing in the relationships of parent and child, infancy, husband and wife, marriage, divorce, and separation. Madden and Compton, *Cases on Domestic Relations*.

L 447, 448. Partnership and Corporations. 4 hours fall, 3 hours winter.

Partnerships, limited partnerships, joint-stock associations, business trusts, corporations; powers of management; claims against the enterprise; solvent dissolution. Crane and MacGruder, *Cases on Partnerships* (shorter selection); Dodd and Baker, *Cases on Business Associations-Corporations*. Smith.

L 451. Mortgages. 3 hours winter.

Real and chattel; legal and equitable; title, possession, rents and profits, waste, foreclosure; redemption; priorities; marshalling; extension; assignment; discharge. Osborne, *Cases on Property Security*. O'Connell.

L 452. Sales of Personal Property. 4 hours spring.

The transaction; the Statute of Frauds; transfer of property; acquisition of property rights by third persons; documents of title; financing methods; rights and duties of parties. Bogert, *Cases and Materials on the Law of Sales* (2nd edition). Howard.

L 453. Code Pleading. 4 hours spring.

Pleading under the codes and the Federal rules of civil procedure; parties; joinder of causes; the pleadings; objections to pleadings; amendments. Sunderland, *Cases and Materials on Code Pleading* (2nd edition). Hollis.

L 456. Decedents' Estates. 4 hours spring.

Testamentary capacity and intent; execution; incorporation by reference; revocation; republication, revival; grant and revocation of probate; powers of executors and administrators; debts and legacies. Costigan, *Cases on Wills, Descent and Administration* (3rd edition).

THIRD-YEAR COURSES

***L 457. Damages.** 3 hours.

General principles; procedural application; nominal and exemplary; compensatory; avoidable consequences; certainty; liquidated; damages in particular actions.

- L 458, 459. **Conflict of Laws.** 3 hours each term, fall and winter.
Theoretical basis of decisions; jurisdiction; foreign judgments; rights under foreign law in torts, contracts, sales, security transactions, business organizations, family law. Lorenzen, *Cases on Conflict of Laws* (5th edition). Hollis.
- L 460, 461. **Trial Practice.** 3 hours each term, winter and spring.
Jurisdiction; venue; process; judgments; juries; introduction of evidence; exceptions; findings; verdicts; motions after verdict. Moot court spring term. McBaine, *Cases on Trial Practice* (2nd edition). Hollis.
- *L 463. **Water Rights.** 3 hours.
Riparian rights; prior appropriation; use; pollution; damage as prerequisite to a cause of action; initiating appropriation rights; priorities; loss and transfer; drainage. Not offered 1948-49.
- *L 464. **Appellate Practice.** 3 hours.
The jurisdiction and procedure of appellate and Federal courts. Not offered 1948-49. Hollis.
- L 467. **Constitutional Law.** 4 hours fall.
Constitutions: written and unwritten; adoption and amendment; relations between Federal and state governments; legislative, executive, and judiciary; the individual and the government.
- *L 468. **Suretyship.** 3 hours fall.
Formation of the contract; the surety's defenses; the surety's rights: exoneration, indemnity, subrogation, contribution. Arant, *Cases on the Law of Suretyship and Guaranty* (2nd edition).
- *L 470. **Jurisprudence.** 3 hours.
Schools of jurisprudence: natural-law, historical, idealistic, utilitarian, social-functional, pragmatic, analytical; logic and law; law and social science. Not offered 1948-49.
- *L 471. **Legislation.** 3 hours spring.
Growth and province of legislation; forms; reform legislation; limitations on legislation; the legislative process and constitutional control; initiative and referendum; drafting; interpretation; curative legislation.
- L 472. **Trusts.** 4 hours fall.
Nature of trust; express, resulting, and constructive; charitable; cestui's remedies; transfer of trust property; liability of trustee; investment; extinguishment. Scott, *Cases on Trusts* (3rd edition). O'Connell.
- *L 474. **Admiralty.** 3 hours.
Jurisdiction; maritime liens; rights of maritime workers; affreightment contracts; charter parties; pilotage; towage; salvage; general average; collision and limitation of liability procedure. Not offered 1948-49.
- *L 476. **Labor Law.** 3 hours.
History; combinations; legislative interference; strikes; trade agreements; boycotts; Federal intervention; employer interference. Handler, *Cases on Labor Law*. Shaw.
- L 477. **Legal Ethics.** 1 hour winter.
Organization of bench and bar; functions of the legal profession in the administration of justice; illegitimate legal practices; canons of professional and judicial ethics. Cheatham, *Cases and Materials on Legal Profession*. Howard.
- L 478, 479. **Evidence.** 3 hours each term, fall and winter.
Presumptions; burden of proof; judicial notice; hearsay, opinion, and character evidence; admissions; real evidence; best-evidence rule; parole-evi-

dence rule; witnesses. Morgan and Maguire, *Cases on Evidence* (2nd edition). Spencer.

L 480. Community Property. 3 hours spring.

Initiation and existence of community; ownership; community and separate property; management and control; transactions between spouses; creditors' rights; dissolution of community. DeFuniak, *Cases and Materials on Community Property*. O'Connell.

***L 481. Trade Regulation.** 3 hours spring.

Intimidating and molesting, disparaging competitor's goods or services, appropriating trade values, inducing breach of contracts, boycotting, unfair price practices, unfair advertising. Handler, *Cases on Trade Regulation*.

L 482. Taxation I. 4 hours winter.

Purposes for which taxes may be levied; distribution of tax burden; jurisdiction; taxes: property, inheritance, estate, income, franchise, excise; collection; remedies. Magill and Maguire, *Cases on Taxation* (4th edition). Vonderheit.

***L 483. Taxation II.** 3 hours spring.

An advanced study of the Federal income tax, involving the use of all relevant statutes, decisions, and regulations; the preparation of income-tax returns.

L 484. Administrative Law. 3 hours spring.

History and development; creation, purpose, personnel, powers, duties of administrative tribunals; constitutional and legal limitations; review; procedure. Katz, *Cases on Administrative Law*. Smith.

***L 487. Law of Municipal Corporations.** 3 hours.

The nature, constitution, powers, and liabilities of municipal corporations. Stason and Tracy, *Cases and Materials on the Law of Municipal Corporations* (2nd edition). Howard.

***L 501. Legal Research.** Hours to be arranged.

Open to third-year students, by special arrangement only. The student works under the supervision of the instructor in whose field the problem is selected. Not more than 3 hours per term or a total of 9 hours' credit may be earned.

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

A maximum total of 3 hours' credit may be earned.

***L 507. Seminar.** Hours to be arranged.

Medical School

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

WILLIAM A. ZIMMERMAN, B.S., Executive Secretary and Business Manager.

CAROLINE O. HOOPMANN, B.S., Registrar.

HENRIETTA DOLTZ, M.N., R.N., Director, Department of Nursing Education.

THE University of Oregon Medical School, located in Portland, was established in 1887. The medical department of Willamette University was merged with the Medical School in 1913. The Medical school buildings occupy a 109-acre campus on Marquam Hill, southwest of the city center.

Curriculum in Medicine. The Medical School, which is rated Class A by the American Medical Association, offers a standard professional curriculum in medicine leading to the degree of Doctor of Medicine. Since facilities for instruction provide for the acceptance of only a limited number of applicants, completion of premedical requirements does not guarantee admission to the Medical School.

A student entering the Medical School without a Bachelor of Arts or Bachelor of Science degree must complete the work required for one of these degrees in the Oregon State System of Higher Education, or in the institution at which he received his premedical preparation, before entering upon the work of the third year in the Medical School.

The University of Oregon and most of the colleges and universities of the Pacific Northwest recognize credit earned by a student during his first two years at the Medical School as credit earned in residence toward the bachelor's degree.

A suggested premedical curriculum for students planning to enter the Medical School is presented on pages 87-89 in this Catalog.

Curricula in Nursing Education. As an integral part of the Medical School, the Department of Nursing Education offers a four-year curriculum leading to the B.A. or B.S. degree. The student takes five terms of preprofessional work at the University of Oregon in Eugene or at Oregon State College in Corvallis. The preprofessional curriculum is completed with one term of work on the campus of the Medical School, and is followed by a ten-term professional curriculum coordinated with clinical instruction in the hospitals and clinics of the Medical School. The Department of Nursing Education also offers advanced curricula leading to certificates in public health nursing, ward administration, teaching and supervision, and teaching nursing arts.

A suggested preparatory curriculum is printed on pages 90-91 in this Catalog.

Medical School Catalog. A separate catalog, containing detailed information on organization, faculty, facilities, requirements, and curricula of the Medical School, including the Department of Nursing Education, may be obtained on request.

School of Music

THEODORE KRATT, Mus.M., Mus.D., Dean of the School of Music.

GLADYS W. HAY, Secretary to the Dean.

PROFESSORS: GEORGE HOPKINS, THEODORE KRATT, ROSE E. MCGREW (emeritus), JANE THACHER.

ASSOCIATE PROFESSORS: E. A. CYKLER, ARNOLD ELSTON, MAUDE GARNETT, HERMAN GELHAUSEN, J. H. STEHN.

ASSISTANT PROFESSORS: D. W. ALLTON, L. P. ARTAU*, F. W. BITTNER, GEORGE BOUGHTON, S. L. GREEN†, R. W. HORD, D. D. ROSSELL.

INSTRUCTORS: DORIS H. CALKINS, MILTON DIETERICH, BYRON MILLER, WADE PARKS, WILLIAM RILEY, VINTON SNYDER, JULIA WARNER.

ASSISTANT: E. L. MYRICK.

A DEPARTMENT of music was established at the University of Oregon in 1886. The School of Music was organized in 1902. The school was admitted to membership in the National Association of Schools of Music in 1930; requirements for entrance and for graduation are in accordance with the standards of the association.

The University of Oregon undertakes through the School of Music the professional and cultural training of talented young men and women in the field of music. The curricula include not only systematic and progressive instruction in the structure, history, appreciation, and practice of music, but also instruction in those branches of higher learning which bear most directly upon music, and without a knowledge of which success in the higher domain of music is impossible.

Instruction is offered in the following fields: organ; piano; violin; cello; harp; orchestral and band instruments; voice; instrumental and choral conducting; composition; structure, history, and appreciation of music; public-school music. The instruction is designed to meet the requirements of: (1) students whose major interests lie in a complete mastery of the subject; (2) those who are studying music as a secondary subject; and (3) those either in the School of Music or in other departments in the University who wish to add to their enjoyment of music and to the enrichment of their lives through the re-creation of music for their own satisfaction.

The School of Music seeks to develop not only performers but also musicians. On the practical side, stress is laid on everything that can contribute to an absolute mastery of the instrument from the purely technical point of view. Technique, however, is looked upon as a means rather than an end. Notice is taken of the fundamental defects in most preliminary instruction, and suitable remedies are provided.

The work outlined in the various curricula, well and faithfully performed, augmented by experience and continued serious study, will provide a substantial foundation upon which to build a professional career.

Equipment. The School of Music is housed in a building especially planned for musical instruction. The walls are of double construction, insulated to minimize sound interference. In the studio wing are ten studios with Steinway grand

* Resignation effective June 30, 1948.

† On leave of absence 1947-48.

pianos, thirteen practice rooms with standard upright pianos, a lecture room seating about 80, an ensemble room, and offices. Another wing contains an auditorium (seating about 600 and with stage accommodations for 275 persons), a reception room, and an enclosed promenade. The auditorium is equipped with a Steinway concert grand piano and a four-manual Reuter organ. Two temporary structures west of the Music Building provide 20 practice rooms.

The University maintains a music library, including music scores, reference books in the field of music, and an extensive collection of phonograph records, in the Douglass Room in the University Library. The room is equipped with twelve phonographs with earphone attachments for individual listening; a larger phonograph for group listening is available in a small adjacent room. The music library is partially supported through a bequest from the late Matthew Hale Douglass, former librarian of the University. The collections also include gifts from the Carnegie Corporation, Phi Beta, and Mu Phi Epsilon.

Musical Organizations. The University Choral Union, the University Symphony Orchestra, the University Band, and smaller ensembles offer membership to all students in the University who can qualify. These organizations afford unusually good opportunities, under the direction of members of the faculty of the School of Music, for sight reading and for experience in choral, orchestral, and band routine. The value of thorough and careful study of a large amount of choral and instrumental literature through membership in such organizations cannot be overestimated by the serious student of music.

Concerts and Recitals. Every opportunity possible is given to students to hear good music and to acquire the experience of public appearance. Faculty and student recitals are presented throughout the year. Concerts are given by the musical organizations listed above.

Students of the University are admitted free to the concerts of the Eugene Civic Music Association. This association brings artists of international fame to the campus each year for concerts.

Admission to the School of Music. In addition to the University requirements for admission to freshman standing, students must have completed sufficient preparatory study in music to enable them to carry the work outlined for the freshman year of the particular curriculum in which they are interested.

Degrees. The Bachelor of Arts, Bachelor of Science, and Bachelor of Music degrees are granted by the School of Music. Graduates of the School of Music, or of other institutions offering equivalent work, may register in the Graduate School for graduate work in music leading to the following advanced degrees: Master of Arts, Master of Science, or Master of Music.

Graduation Requirements. Candidates for the degrees offered by the School of Music must comply with the University regulations concerning residence and registration, and must complete the work of one of the curricula outlined.

In the senior year, candidates for the Bachelor of Music degree are required to present a public recital, including the following:

Organ Students. Passacaglia and fugue by Bach; sonatas by Guilman; movements from symphonies by Widor and Vierne; and selections from the more-important works of modern composers.

Piano Students. A concerto or chamber music of advanced difficulty; a Beethoven sonata or any polyphonic work of similar grade; at least two Chopin etudes; and selection from the works of modern writers.

Violin and Cello Students. A Bach sonata; a concerto; and selections from the more-important works of some of the leading composers.

Voice Students. An aria from an opera or an oratorio; a group of classic songs; and a group of modern songs.

Students majoring in composition must submit, in the senior year, such original compositions in the smaller and larger forms as may be required by their instructors.

Students who select a legitimate orchestral or band instrument for major study toward the Bachelor of Music degree must, in their senior year, demonstrate not only a thorough command of the instrument but also the ability to play satisfactorily at sight excerpts from symphonic compositions of the nineteenth century.

Before graduation all candidates for the Bachelor of Music degree must be able to play at sight piano accompaniments of moderate difficulty.

Fees. Special fees are charged for instruction in applied music, in addition to regular registration fees. These fees are due at the time of registration each term.

The applied-music fees for instruction in piano, voice, violin, violoncello, harp, and organ are: one lesson a week, \$30.00 per term; two lessons a week, \$50.00 per term.

The applied-music fees for instruction in wind instruments are: one lesson a week, \$20.00 per term; two lessons a week, \$40.00 per term.

Private practice rooms may be reserved for the following fees: \$4.00 per term for one hour a day; \$7.00 per term for two hours; \$10.00 per term for three hours; \$12.00 per term for four hours. The organ practice fee is \$20.00 per term for one hour a day.

Curricula in Music

B.A., B.S., B.Mus., M.A., M.S., M.Mus. Degrees

STUDENTS are advised not to concern themselves in advance with the details of their study program. The faculty adviser to whom the student is assigned will explain fully the general University requirements, school requirements, and desirable electives. Ample time is available for a thorough discussion of each student's qualifications and needs, in order that his program may be a consistent and profitable one.

CURRICULUM IN MUSIC LEADING TO THE B.A. OR B.S. DEGREE

This curriculum is designed for students majoring in music who wish to place equal emphasis on cultural and on professional objectives.

The candidate for the B.A. or B.S. degree with music as a major must complete in applied music the equivalent of the applied-music requirements for the first two years of the curriculum leading to the Bachelor of Music degree.

	Freshman Year			Term hours		
	F	W	S	F	W	S
English Composition (Rht 111, 112, 113)	3	3	3			
*Group requirement	3	3	3			
Theory I (Mus 111, 112, 113)	4	4	4			
Introduction to Music Literature (Mus 127, 128, 129)	2	2	2			
Applied Music (instrument or voice)	1-2	1-2	1-2			
Ensemble (chorus, orchestra, or band)	1	1	1			
Physical Education	1	1	1			
Military Science (men), Health Education (women)	1	1	1			
	16-17			16-17	16-17	16-17

* Candidates for the B.A. degree should exercise care in the selection of group requirements and academic electives in order to fulfill the requirements for this degree: a total of 36 hours in language and literature (including foreign language, normally 24 hours). Candidates for the B.S. degree should select group requirements and academic electives in the fields of the physical or social sciences to satisfy the requirements for this degree: a total of 36 hours in science or in social science. Foreign language is not required for the B.S. degree.

Sophomore Year

	Term hours		
	F	W	S
*Group requirements (psychology recommended)	3	3	3
*Academic electives	4	4	4
Theory II (Mus 211, 212, 213)	4	4	4
Applied Music (instrument or voice)	1-2	1-2	1-2
Ensemble (chorus, orchestra, or band)	1	1	1
Physical Education	1	1	1
Military Science (men)	1	1	1
	15-16	15-16	15-16

Junior Year

Counterpoint I (Mus 311, 312, 313)	2	2	2
Harmonic and Structural Analysis (Mus 314, 315, 316)	2	2	2
Applied Music (instrument or voice)	2	2	2
Ensemble (chorus, orchestra, or band)	1	1	1
*Academic electives	9	9	9
	16	16	16

Senior Year

History of Music (Mus 422, 423, 424)	2	2	2
Applied Music (instrument or voice)	2	2	2
Ensemble (chorus, orchestra, or band)	1	1	1
*Academic electives	9	9	9
	14	14	14

CURRICULUM IN PUBLIC-SCHOOL MUSIC LEADING TO THE B.A.
OR B.S. DEGREE

The curriculum in public-school music is designed for students who wish to prepare themselves for the teaching and supervision of music in the public schools. It includes the subjects necessary for the preparation of an adequately equipped musician and teacher. At the beginning of the junior year the student chooses either the vocal or the instrumental field. Students of unusual ability, who wish to prepare themselves to meet all the general problems in music supervision, may complete the requirements of both fields in five years.

Freshman Year

English Composition (Rht 111, 112, 113)	3	3	3
*Group requirement	3	3	3
Theory I (Mus 111, 112, 113)	4	4	4
Introduction to Music Literature (Mus 127, 128, 129)	2	2	2
Applied Music (instrument or voice)	1-2	1-2	1-2
Ensemble (chorus, orchestra, or band)	1	1	1
Physical Education	1	1	1
Military Science (men), Health Education (women)	1	1	1
	16-17	16-17	16-17

Sophomore Year

Psychology	3	3	3
*Academic electives	4-5	4-5	4-5
Theory II (Mus 211, 212, 213)	4	4	4
Applied Music (instrument or voice)	1-2	1-2	1-2
Ensemble (chorus, orchestra, or band)	1	1	1
Physical Education	1	1	1
Military Science (men)	1	1	1
	15-17	15-17	15-17

Junior Year

VOCAL OPTION

Secondary Education in American Life (Ed 311)	3	-	-
Educational Psychology (Ed 312)	-	3	-
Principles of Teaching (Ed 313)	-	-	3
Public-School Music (Mus 317, 318, 319)	3	3	3
Choral Conducting (Mus 323, 324, 325)	2	2	2
*Academic electives	4	4	4
Public-School Music Voice Class (Mus 351, 352, 353)	2	2	2
Applied Music (voice)	1-2	1-2	1-2
Ensemble (chorus)	1	1	1
	16-17	16-17	16-17

* See note (*), page 232.

	Term hours		
	F	W	S
Secondary Education in American Life (Ed 311).....	3	—	—
Educational Psychology (Ed 312)	—	3	—
Principles of Teaching (Ed 313)	—	—	3
Wind and Percussion Instruments (Mus 335, 336, 337).....	1	1	1
Stringed Instruments (Mus 332, 333, 334).....	1	1	1
Instrumental Conducting (Mus 320, 321, 322).....	2	2	2
Applied Music (instrument)	1-2	1-2	1-2
Ensemble (chorus, band, or orchestra)	2	2	2
*Academic electives	6	6	6
	16-17	16-17	16-17

Senior Year

VOCAL OPTION			
Oregon School Law and System of Education (Ed 316).....	2	—	—
Oregon History (Hst 377)	—	2	—
Supervised Teaching (Ed 415)	3	3	3
Special Teaching Methods (Ed 408)	2	2	2
History of Music (Mus 422, 423, 424).....	2	2	2
Applied Music (voice)	1-2	1-2	1-2
Ensemble (chorus)	1	1	1
*Academic or music electives	4	4	6
	15-16	15-16	15-16

INSTRUMENTAL OPTION

Oregon School Law and System of Education (Ed 316).....	2	—	—
Oregon History (Hst 377)	—	2	—
Supervised Teaching (Ed 415)	3	3	3
Special Teaching Methods (Ed 408)	2	2	2
History of Music (Mus 422, 423, 424).....	2	2	2
Orchestration (Mus 329, 330, 331)	2	2	2
Applied Music (instrument)	1-2	1-2	1-2
Ensemble (chorus, orchestra, or band)	2	2	2
Music electives	1	2	2
	15-16	16-17	14-15

Certification Requirements

A student, in order to obtain a final state teacher's certificate in Oregon, must complete 45 term hours of work beyond the requirements for a baccalaureate degree, which must include 9 term hours in education courses.

CURRICULUM IN APPLIED MUSIC LEADING TO THE B.MUS. DEGREE

This curriculum is designed for students whose talent and ability justify intensive professional training in music, with emphasis on performance. One of the applied-music subjects (organ, piano, voice, violin, cello, or an orchestral or band instrument) must be carried throughout the four years. Students majoring in voice must complete at least two years of one foreign language.

Freshman Year

English Composition (Rht 111, 112, 113).....	3	3	3
Group requirement	3	3	3
Theory I (Mus 111, 112, 113).....	4	4	4
Applied Music (instrument or voice).....	2-4	2-4	2-4
Ensemble (chorus, band, or orchestra).....	1	1	1
Physical Education	1	1	1
Military Science (men), Health Education (women).....	1	1	1
	15-17	15-17	15-17

Sophomore Year

Group requirement (psychology advised).....	3	3	3
Theory II (Mus 211, 212, 213)	4	4	4
Introduction to Music Literature (Mus 127, 128, 129).....	2	2	2
Applied Music (instrument or voice).....	2-4	2-4	2-4
Ensemble (chorus, band, or orchestra).....	1	1	1
Physical Education	1	1	1
Military Science (men)	1	1	1
Electives	1-2	1-2	1-2
	15-18	15-18	15-18

* See note (*), page 232.

	Term hours		
	F	W	S
Junior Year			
Counterpoint I (Mus 311, 312, 313)	2	2	2
Harmonic and Structural Analysis (Mus 314, 315, 316)	2	2	2
Applied Music (instrument or voice)	4	4	4
Ensemble (chorus, band, or orchestra)	1	1	1
Academic electives	4	4	4
Music electives	3	3	3
	16	16	16
Senior Year			
Composition I (Mus 414, 415, 416)	2	2	2
History of Music (Mus 422, 423, 424)	2	2	2
Applied Music (instrument or voice)	4	4	4
Ensemble (chorus, band, or orchestra)	1	1	1
Academic electives	4	4	4
Music electives	3	3	3
	16	16	16

CURRICULUM IN COMPOSITION LEADING TO THE B.MUS. DEGREE

This curriculum is designed for students whose major interest is in creative work, and whose talent and ability justify intensive training in theory and composition.

Freshman Year			
English Composition (Rht 111, 112, 113)	3	3	3
Group requirement	3	3	3
Theory I (Mus 111, 112, 113)	4	4	4
Applied Music	2-4	2-4	2-4
Ensemble (chorus, band, or orchestra)	1	1	1
Physical Education	1	1	1
Military Science (men), Health Education (women)	1	1	1
	15-17	15-17	15-17
Sophomore Year			
Group requirement (psychology recommended)	3	3	3
Theory II (Mus 211, 212, 213)	4	4	4
Counterpoint I (Mus 311, 312, 313)	2	2	2
Introduction to Music Literature (Mus 127, 128, 129)	2	2	2
Applied Music	2	2	2
Ensemble (chorus, band, or orchestra)	1	1	1
Physical Education	1	1	1
Military Science (men), Health Education (women)	1	1	1
	16	16	16
Junior Year			
Harmonic and Structural Analysis (Mus 314, 315, 316)	2	2	2
Counterpoint II (Mus 411, 412, 413)	2	2	2
Composition I (Mus 414, 415, 416)	2	2	2
Applied Music	4	4	4
Ensemble (chorus, band, or orchestra)	1	1	1
Electives	4	4	4
	15	15	15
Senior Year			
Composition II (Mus 514, 515, 516)	2	2	2
Orchestration (Mus 329, 330, 331)	2	2	2
History of Music (Mus 422, 423, 424)	2	2	2
Applied Music	2-4	2-4	2-4
Ensemble (chorus, band, or orchestra)	1	1	1
Electives	6-4	6-4	6-4
	15	15	15

Courses in Music

LOWER-DIVISION COURSES

Mus 111, 112, 113. Theory I. 4 hours each term.

Thorough ground work in the elements of musical science—melodic, harmonic, and rhythmic. Major and minor chords, keys, scales, intervals, and cadences studied in singing, writing, playing, and dictation. Bittner, Dieterich, Green.

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

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

Mus 190. Lower-Division Individual Instruction. 1 to 4 hours any term.

Individual instruction in piano, voice, organ, violin, cello, harp, stringed instruments, orchestral instruments, and band instruments.

Mus 195. Band. 1 hour each term.

Six hours maximum credit. Stehn.

Mus 196. Orchestra. 1 hour each term.

Six hours maximum credit. Cykler, Kratt.

Mus 197. Choral Union. 1 hour each term.

Six hours maximum credit. Kratt, Allton.

Mus 211, 212, 213. Theory II. 4 hours each term.

Continuation of Theory I. Study of harmonic resources; secondary-seventh and augmented-sixth chords through enharmonic modulation and higher discords. Introduction to counterpoint. Prerequisite: Mus 111, 112, 113. Allton.

Mus 214, 215, 216. Keyboard Harmony. 1 hour each term.

Application of theoretical principles to the keyboard; exercises in modulation, transposition, and development of extempore playing. Prerequisite: Mus 111, 112, 113. Garnett.

Mus 235, 236, 237. Essentials of Music History. 2 hours each term.

Designed to give the student a practical knowledge of the significant events in music history, and an acquaintance with composers who have influenced the development of music. Cykler.

UPPER-DIVISION COURSES

Mus 311, 312, 313. Counterpoint I. 2 hours each term.

Writing vocal polyphony, based on the contrapuntal technique of the sixteenth-century masters (Palestrina, Lassus, Byrd, and Vittoria). Both sacred and secular styles are employed, using such forms as the mass, motet, and madrigal. Prerequisite: Mus 211, 212, 213. Elston.

Mus 314, 315, 316. Harmonic and Structural Analysis. 2 hours each term.

Thorough study of formal analysis, including the phrase unit, period, two- and three-part song forms, developed ternary forms, sonata, symphony, concerto, etc. Elston.

Mus 317, 318, 319. Public-School Music. 3 hours each term.

Survey of methods and materials used in teaching music in the public schools, with emphasis upon junior and senior high-school music. Garnett.

Mus 320, 321, 322. Instrumental Conducting. 2 hours each term.

The principles of conducting and training instrumental organizations. Practical experience in conducting campus organizations. Stehn.

Mus 323, 324, 325. Choral Conducting. 2 hours each term.

The principles of conducting and training choral organizations. Practical experience in conducting campus organizations. Garnett.

Mus 329, 330, 331. Orchestration. 2 hours each term.

A study of the instruments of the orchestra, together with practical study of the art of scoring for the various choirs and for full orchestra. Cykler.

Mus 332, 333, 334. Stringed Instruments. 1 hour each term.

A study of the stringed instruments of the symphony orchestra. For public-school music students only. 2 recitations a week. Boughton.

Mus 335, 336, 337. Wind and Percussion Instruments. 1 hour each term.

A study of the wind and percussion instruments of the orchestra and band. For public-school music students only. 2 recitations a week. Stehn.

Mus 340, 341, 342. Accompanying. 2 hours each term.

Practical problems in accompanying. Students must also be registered for upper-division work in piano or organ. Prerequisite: consent of dean.

Mus 343, 344, 345. Chamber Music. 1 hour each term.

Prerequisite: consent of dean. Boughton, Stehn.

Mus 351, 352, 353. Public-School Music Voice Class. 2 hours each term.

Study of the voice problems of public-school music. Garnett.

Mus 354, 355, 356. Band Arranging. 2 hours each term.

Scoring for combinations of wind instruments, from quartets to full symphonic bands; special emphasis on arrangements for school bands of various degrees of advancements. Stehn.

Mus 390. Upper-Division Individual Instruction. 1 to 4 hours any term.

Mus 395. Band. 1 hour each term.

Six hours maximum credit. Stehn.

Mus 396. Orchestra. 1 hour each term.

Six hours maximum credit. Cykler, Kratt.

Mus 397. Choral Union. 1 hour each term.

Six hours maximum credit. Kratt, Allton.

Mus 405. Reading and Conference. Hours to be arranged.

Mus 407. Seminar. Hours to be arranged.

Ed 408. Special Teaching Methods. 2 hours each term.

This course parallels practice teaching in the junior and senior high schools. Observations, reports, and conferences on material and procedures used in choral and instrumental groups. Prerequisite: consent of instructor. Garnett, Stehn.

Mus 411, 412, 413. Counterpoint II. (G) 2 hours each term.

Writing of instrumental polyphony, based on the style of J. S. Bach. Study of invertible counterpoint and other contrapuntal techniques, with their application in the canon, two- and three-part invention, and fughetta. Prerequisite: Mus 311, 312, 313. Elston.

Mus 414, 415, 416. Composition I. (G) 2 hours each term.

Composition in the smaller forms for piano, voice, and other instruments. Prerequisite: Mus 311, 312, 313; Mus 314, 315, 316. Elston.

Ed 415. Supervised Teaching. 1-10 hours any term (12 hours maximum credit).

Prerequisite: consent of the School of Education.

Mus 422, 423, 424. History of Music. (G) 2 hours each term.

Primitive music and musical instruments. Survey of the musical literature of the classical period: relation of musical expression to other movements of the period. Romanticism as it finds expression in music. Cykler.

Mus 425, 426, 427. Music of the Eighteenth Century. (G) 2 or 3 hours each term.

Music of the eighteenth century in the light of the literary, historical, and

artistic background of the period of Gluck, Handel, Bach, Haydn, Mozart, etc. Prerequisite: Mus 422, 423, 424 or equivalent.

Mus 428, 429, 430. Proseminar in Musicology. (G) Hours to be arranged.

Study of the methods of research in music, and application of research technique to particular musical problems. Thesis required. Prerequisite: Mus 422, 423, 424 or equivalent. Cykler.

Mus 431, 432, 433. Advanced Conducting. (G) 2 or 3 hours each term.

The routine and technique of conducting. Problems of the symphony orchestra and choral groups. Score reading. Actual practice in conducting. Prerequisite: Mus 211, 212, 213 or equivalent, and consent of instructor. Kratt.

GRADUATE COURSES

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

Mus 501. Research. Hours to be arranged.

Mus 503. Thesis. Hours to be arranged.

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

Mus 507. Seminar. Hours to be arranged.

Mus 511, 512, 513. Applied Counterpoint. 2 or 3 hours each term.

A practical study of the writing of the strict and free-style fugue, both vocal and instrumental. The application of larger contrapuntal forms; passacaglia and contrapuntal variations. Prerequisite: Mus 411, 412, 413. Elston.

Mus 514, 515, 516. Composition II. 2 hours each term.

A continuation of Mus 414, 415, 416, applying larger forms and instrumental combinations. Prerequisite: Mus 414, 415, 416; consent of instructor. Elston.

Mus 517, 518, 519. Advanced Harmony. 2 or 3 hours each term.

A study of the harmonic practices of the late nineteenth and twentieth centuries. Written work, analysis, and theoretical research. Prerequisite: Mus 211, 212, 213; Mus 414, 415, 416. Elston.

Mus 520, 521, 522. Interpretation of Symphonic Literature. 2 or 3 hours each term.

Study of symphonic literature. Presupposes proficiency in techniques of conducting, a major instrument, and knowledge of theory and history of music. Prerequisite: Mus 431, 432, 433 or equivalent; consent of instructor. Kratt.

Mus 523, 524, 525. Interpretation of Choral Literature. 2 or 3 hours each term.

Detailed study of choral literature. Emphasis on the conducting problems of each individual work. Interpretation, tradition, etc. Prerequisite: Mus 431, 432, 433 or equivalent; consent of instructor. Kratt.

Mus 526, 527, 528. Composition III. 2 or 3 hours each term.

Intensive work in the larger forms; variation, rondo, and sonata-allegro forms; symphonic form. For students who are candidates for advanced degrees in composition. Prerequisite: Mus 514, 515, 516. Elston.

Mus 590. Individual Instruction. 1 to 4 hours any term.

Individual instruction in piano, voice, organ, cello, harp, stringed instruments, orchestral instruments, and band instruments at the graduate level. Allton, Boughton, Gelhausen, Green, Hopkins, Thacher.

Department of Military Science and Tactics

FRANK R. MAERDIAN, B.S., Colonel, Infantry; Professor of Military Science and Tactics; Head of Department.

ASSISTANT PROFESSORS: LIEUTENANT COLONEL H. W. HALL, LIEUTENANT COLONEL J. W. WATT, MAJOR H. E. ALLEN, MAJOR W. S. GACKE*, MAJOR E. L. HIBNER, CAPTAIN E. F. DOOLEY, CAPTAIN W. F. HINTZ, CAPTAIN W. A. KOCH, CAPTAIN R. M. PEDEN, CAPTAIN R. B. ROCHÉ.

INSTRUCTORS: MASTER SERGEANT B. F. EMERSON, MASTER SERGEANT M. E. HALE, MASTER SERGEANT A. E. MAYEA, MASTER SERGEANT R. J. MORGAN, MASTER SERGEANT R. E. PATRICIAN, FIRST SERGEANT D. N. ELLIOTT, FIRST SERGEANT M. D. MUDD, TECHNICAL SERGEANT R. C. BURKE, SERGEANT LAWRENCE CRISTIANI.

THE Department of Military Science and Tactics is organized as a regular instructional division of the University and a unit of the Reserve Officers' Training Corps of the United States Army and Air Force, with special advanced training for Infantry, Transportation Corps, Air Force Administration, and Air Force Statistical Control. The program of military instruction includes a two-year Basic Course and a two-year Advanced Course.

Basic Course. The Basic Course is designed to lay a foundation of intelligent citizenship and to provide training in military subjects common to all branches of service; it is prerequisite to specialized training in the Advanced Course. All male students under 23 years of age, who are physically qualified for military training and who are citizens of the United States, are required to take the Basic Course during their freshman and sophomore years, unless excused by University authorities or by virtue of service rendered during World War II. As grounds for exemption, consideration is given to physical incapacity and to conscientious objection to military service.

Students enrolled in the Basic Course are uniformed and equipped at the expense of the United States. They are not, however, in the military service and assume no military obligations.

Advanced Course. If successfully completed, the Advanced Course, to which selected upper-division students are admitted, leads to a reserve commission as second lieutenant in the Infantry or Transportation Corps of the United States Army, or in the United States Air Force. The work is designed to provide training in subjects common to all arms and services, as well as specialized training in subjects pertaining especially to the Infantry, Transportation Corps, or Air Force.

To be eligible for admission to the Advanced Course, a student: (1) must be a citizen of the United States and not less than 14 years of age; (2) must be physically qualified under standards prescribed by the Army and Air Force; (3) must be accepted by the institution as a regularly enrolled student; (4) must not have reached 27 years of age at the time of initial enrollment in the Advanced

* Resigned Dec. 14, 1947.

Course; (5) must successfully complete such survey and general screening tests as may be prescribed; (6) must be selected by the professor of military science and tactics and the head of the institution; (7) must execute a written agreement with the United States government to complete the Advanced Course at the institution in which he is enrolled or any other institution where such course is given, to devote five hours per week during such period to the military training prescribed, and to pursue the courses of camp training during such period as prescribed by the by the Army and Air Force, in consideration of commutation of subsistence to be paid the student by the government; (8) must have completed the basic course, Senior Division R.O.T.C., or have received credit in lieu thereof for previous honorable active service in World War II in the Army, Navy, Marine Corps, or Coast Guard, or in the United States Naval Academy, the United States Coast Guard Academy, the Naval Reserve Officers' Training Corps, or the Army Specialized Training Program, as approved by the head of the institution and the professor of military science and tactics under regulations established by the Departments of the Army and the Air Force.

Students in the Advanced Course receive commutation of rations, the value of which is determined yearly by the Departments of the Army and the Air Force, on the basis of two 32-week school years. During the summer training camp, which normally comes between the first and second years of the Advanced Course, students receive rations, quarters, and the base pay of the seventh enlisted grade. Textbooks, reference books, and officer-type uniforms are provided by the Army.

Advanced Course students participating in the summer-camp program are registered in one of the following courses: Infantry Summer Camp (Mil 320s); Transportation Corps Summer Camp (Mil 321s); Air Force Summer Camp (Mil 322s). Each of these courses carry 6 term hours of credit.

BASIC COURSES

LOWER-DIVISION COURSES

Mil 111, 112, 113. First-Year Basic Course. 1 hour each term.

Leadership, drill, and exercise of command; military organization; hygiene and first aid; individual weapons and marksmanship; map and aerial-photograph reading; National Defense Act and R.O.T.C. 3 hours a week.

Mil 211, 212, 213. Second-Year Basic Course. 1 hour each term.

Leadership, drill, and exercise of command; physical-development methods; map and aerial-photograph reading; military administration; evolution of warfare; military law and boards. 3 hours a week.

INFANTRY COURSES

UPPER-DIVISION COURSES

Mil 311, 312, 313. First-Year Advanced Course (Infantry). 3 hours each term.

Military leadership, psychology, and personnel management; drill and exercise of command; geographical foundations of national power; military law and boards; tactics and technique of the Infantry. 5 hours a week.

Mil 411, 412, 413. Second-Year Advanced Course (Infantry). 3 hours each term.

Command and staff; military teaching methods; psychological warfare; geographical foundations of national power; leadership, drill and exercise of command; military mobilization and demobilization; Infantry tactics and technique. 5 hours a week.

TRANSPORTATION CORPS COURSES

UPPER-DIVISION COURSES

Mil 314, 315, 316. First-Year Advanced Course (Transportation Corps). 3 hours each term.

Military leadership, psychology, and personnel management; drill and exercise of command; geographical foundations of national power; military law and boards; tactics and technique of the Transportation Corps. 5 hours a week.

Mil 414, 415, 416. Second-Year Advanced Course (Transportation Corps). 3 hours each term.

Command and staff; military teaching methods; psychological warfare; geographical foundations of national power; drill and exercise of command; military mobilization and demobilization; Transportation Corps tactics and technique. 5 hours a week.

AIR FORCE COURSES

UPPER-DIVISION COURSES

Mil 317, 318, 319. First-Year Advanced Course (Air Force). 3 hours each term.

Military leadership, psychology, and personnel management; drill and exercise of command; geographical foundations of national power; military law and boards; tactics and technique of the Air Force. 5 hours a week.

Mil 417, 418, 419. Second-Year Advanced Course (Air Force Administration). 3 hours each term.

Command and staff; military teaching methods; psychological warfare; geographical foundations of national power; drill and exercise of command; military mobilization and demobilization; Air Force administration tactics and technique. 5 hours a week.

Mil 420, 421, 422. Second-Year Advanced Course (Air Force Statistical Control). 3 hours each term.

Command and staff; military teaching methods; psychological warfare; geographical foundations of national power; drill and exercise of command; military mobilization and demobilization; Air Force statistical-control tactics and technique. 5 hours a week.

Graduate School

ELDON LEE JOHNSON, Ph.D., Dean of the Graduate School.

JEAN F. BROWN, Secretary to the Dean.

Graduate Council

E. L. JOHNSON (chairman), W. C. BALLAINE, C. B. BEALL, J. F. CRAMER, ARNOLD ELSTON, J. T. GANOE, P. B. JACOBSON, R. W. LEIGHTON, E. H. MOORE, P. L. RISLEY, P. W. SOUERS, R. C. SWANK, PIERRE VAN RYSSELBERGHE.

IN THE discipline of undergraduate education the primary aim is to prepare the student for cultured living and intelligent citizenship, and in techniques leading to a professional career. In graduate study the dominant aim is the development of the scholar, capable of original thinking and of creative achievement in the advancement and extension of knowledge. Hence, a graduate degree indicates more than the mere completion of a prescribed amount of advanced study; it indicates that the student has shown both promise and performance in some field of independent scholarship.

At the University of Oregon, all study beyond the bachelor's degree, except strictly professional work in dentistry, law, and medicine, is administered through the Graduate School. The formulation of graduate programs in their special fields and the working out and direction of the programs of individual students are the responsibility of the instructional departments, subject, however, to the general rules and requirements of the Graduate School.

The Graduate School also administers the University's program for the encouragement of research by members of its faculty, through the provision of necessary facilities and through grants in aid.

Although honorary master's and doctor's degrees were conferred by the University in the 1880s, a program of graduate study with definite residence requirements was first established in 1897; two master's degrees, under these standards, were conferred in 1899. The Graduate School was organized in 1900.

For many years, the graduate program was concerned solely with work toward the master's degree. Requirements for the degree of Doctor of Philosophy were first announced in 1920, and the first Ph.D. degree was granted in 1926.

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

Advanced Degrees

THE University of Oregon offers through the Graduate School work leading to advanced degrees in the liberal arts and sciences, and in the professional fields of architecture and allied arts, business administration, education, health and physical education, journalism, medical sciences (at the Medical School in

Portland), and music. The degrees granted, and the fields in which programs of study leading to the respective degrees are offered, are listed below :

Doctor of Philosophy : biology, chemistry, economics, education, English, history, mathematics, medical sciences, psychology, Romance languages, sociology.

Doctor of Education : education.

Master of Arts (departmental) : anthropology, architecture, art, biology, business administration, chemistry, classical languages, economics, education, English, geography, geology, Germanic languages, health and physical education, history, journalism, landscape architecture, mathematics, medical sciences, music, philosophy, physics, political science, psychology, Romance languages, sociology, speech.

Master of Arts in General Studies : see page 246.

Master of Science (departmental) : anthropology, architecture, art, biology, business administration, chemistry, economics, education, geography, geology, health and physical education, history, journalism, landscape architecture, mathematics, medical sciences, music, physics, political science, psychology, sociology, speech.

Master of Science in General Studies : see page 247.

Master of Architecture : architecture.

Master of Fine Arts : architecture, art, landscape architecture.

Master of Business Administration : business administration.

Master of Education : education.

Master of Landscape Architecture : landscape architecture.

Master of Music : music.

General Regulations

THREE classes of graduate students are recognized: (1) those wishing to become candidates for a master's degree; (2) those wishing to become candidates for a doctor's degree; and (3) those wishing merely to take work beyond the requirements for the bachelor's degree. Students of the first and second classes follow programs organized in conformity with the rules stated below. Students of the third class register for the courses they desire, with the understanding that the institution is under no implied obligation to accept credit earned as credit toward a degree. Whether a student is adequately prepared to enter a particular course is determined by the instructor in charge and the head of the department.

Admission. A graduate of any accredited college or university will be admitted to the Graduate School if his credentials indicate that he will be able to maintain a scholastic average of B or above as a graduate student.

Admission to the Graduate School does not of itself entitle a student to become a candidate for a degree. Admission to candidacy for an advanced degree is granted only after the student has demonstrated, by passing a qualifying examination, the

thoroughness of his previous preparation and his ability to do work of graduate character.

Before admission to the Graduate School, a graduate of a nonaccredited institution must complete at least one term of satisfactory work as a special (unclassified) student at the University. He may then petition for admission to the Graduate School and for graduate credit for courses which he has completed acceptably while registered as a special student. The Graduate Record Examination may be required as additional validation.

Graduate credit will not be granted for undergraduate work taken in excess of the requirements for the bachelor's degree.

Preparation Required for Graduate Study. Preparation for a graduate major must be an undergraduate major in the same subject, or a fair equivalent. Preparation for a graduate minor must be at least a one-year sequence of upper-division work in addition to foundational courses in the subject. Graduate credit may not be earned in courses for which the student does not show proper preparation by previous record or special examination.

Study Program and Load. Graduate students beginning studies toward a degree will be expected to work out, in tentative form at least, a complete program leading toward the degree desired. This program should allow sufficient time for completion of the thesis. Work on the thesis should be begun as early as possible.

The normal load for a graduate student devoting all of his time to graduate study is 12 term hours of course work and 3 term hours for thesis. The maximum load is 16 term hours. For assistants and fellows, the maximum load is 12 term hours. Assistants receiving a fractional stipend may carry a maximum of 15 term hours of work, but are advised to limit their study programs in proportion to the amount of service rendered. All graduate students who devote part of their time to other occupations will be expected to limit their programs in a similar fashion, according to the share of their time available for graduate work.

The graduate program of each candidate should include a substantial amount of work with at least three faculty members offering graduate instruction.

Grade Requirements. A grade-point average of 3.00 (a B average) is required for every graduate degree.

Graduate Courses. All courses numbered in the 500s carry graduate credit, as do those in the 400s which have been approved by the Graduate Council. Approved courses in the 400s are designated in the Catalog by (G) or (g) following the course title. Courses designated (G) may form a part of either a major or a minor; courses designated (g) may be taken toward a minor only. Graduate students taking courses in the 400s are expected to do work of a higher order and broader scope than the work of undergraduate students in the same courses.

Fees and Deposits. The regular fees and tuition for graduate students total \$39.00 per term. Students holding graduate or research assistantships or fellowships pay a special reduced fee of \$17.50 per term. Graduate students do not pay the non-resident fee. Graduate students registered for 6 term hours of work or less pay the regular part-time fee (see page 59). Payment of graduate fees entitles the student to all services maintained by the University for the benefit of students.

Graduate students must make a \$5.00 deposit once each year at the time of first registration; the deposit is required as a protection to the University against the loss or damage of institutional property (see page 59).

Master of Arts and Master of Science

Credit Requirement. For the departmental Master of Arts or Master of Science degree, the student must complete a program of study totaling not less than 45 term hours in courses approved for graduate credit. A minimum of two-thirds of the work (30 term hours) must be in the major. One-third (15 term hours) may be in: (1) a related minor; (2) appropriate service courses; (3) suitable complementary courses in the major; or (4) some combination of (2) and (3).

Residence Requirement. For all master's degrees the residence requirement is one academic year of full-time study, or equivalent. (Work taken in summer sessions will count toward the satisfaction of the residence requirement.) Graduate or research assistants may satisfy the residence requirement by four terms of work or by three terms and a summer quarter. Students who have taken graduate work at another institution may lighten their load by transferring credit; but transferred credit will not shorten the residence requirement.

A maximum of 15 term hours earned in graduate courses in the General Extension Division of the Oregon State System of Higher Education or at Oregon State College may be counted as credit earned in residence toward the departmental master's degree. If adequate course offerings are available, all of the work toward the degree of Master of Arts in General Studies may be taken at the Portland Center.

Transferred Credit. A maximum of 15 term hours earned in graduate courses at other accredited institutions, or in the General Extension Division, may be counted toward the master's degree, under the following conditions: (1) the course must be relevant to the degree program as a whole; (2) the transfer must be approved by the student's major department and by the Graduate Council; (3) the grades earned must be A or B. Graduate credit is not allowed for correspondence courses. Credit granted for work done at another institution is tentative until validated by work in residence. (See also "Time Limit" below.)

Language Requirements. For the Master of Arts degree, the student must show, by examination or by adequate undergraduate courses (two years of college work), a reading knowledge of one foreign language, preferably French or German. By petition to the Graduate Council, a student may be permitted to substitute another language, if it is equally relevant to his program of graduate studies. For the Master of Science degree there is no foreign-language requirement, unless a language is needed in the individual student's program.

Course Requirements. For the departmental Master of Arts or Master of Science degree, at least one year sequence in the 500-599 series (normally of seminar or research nature and for approximately 3 hours of credit per term) is required.

Time Limit. All work counted toward the master's degree (including work for which credit is transferred from another institution, the thesis, and the final examination) must be completed within a period of seven years.

Qualifying Examination. A student wishing to become a candidate for a master's degree is given a qualifying examination designed to test his basic training and his ability to pursue studies at the graduate level in his chosen field. This examination may be oral or written or both. It is expected that the examination be

taken before the student has completed 15 term hours of graduate work. If satisfactory knowledge and ability are demonstrated, the student is formally advanced to candidacy for the degree sought, subject to the approval of the dean of the Graduate School.

The examination may cover any work done at another institution for which transfer credit is requested.

The qualifying examination for the master's degree is scheduled by the major school or department; the date must be reported to the Graduate School office at least one week in advance.

A graduate of the University who has taken the bachelor's degree with honors in the field of his graduate major is ordinarily exempt from the qualifying examination for the master's degree.

Thesis. Every candidate for the Master of Arts or Master of Science degree* must present a thesis. A first draft must be approved by the candidate's adviser before the student registers for the final hours of Thesis. Not less than two weeks before the date of his final examination, the candidate must file in the Graduate School office three copies of his completed thesis, signed by the thesis adviser, and six copies of an abstract not more than 500 words in length.

The three copies of the thesis are filed unbound and are bound at the expense of the University. Two copies are deposited in the Library, and one becomes the property of the major department. One of the Library copies is available for general circulation.

Full information concerning the prescribed style of theses may be obtained on request to the Graduate School.

Final Examination. A final oral examination of not less than two hours is required of every candidate for the master's degree; when deemed desirable a written examination may also be required. For the master's degree, the examining committee consists of at least three members of the faculty (two in the student's major field, one in the minor field). Normally, at least one member of the committee is a faculty member not directly connected with the candidate's studies.

The examining committee is nominated by the student's adviser, subject to the approval of the dean of the Graduate School, who is ex officio a member of all examining committees.

A student presenting a thesis and passing a final examination of exceptional merit may, by vote of the examining committee, be awarded a master's degree with honors.

Master of Arts in General Studies

The University offers the degree of Master of Arts in General Studies in fields in which graduate work is allocated to the institution. This degree is granted for achievement in cultural scholarship, not for specialized work in one of the traditional fields of learning. The student pursues a program of study selected from the offerings of not less than three departments or schools. The requirements are flexible, but the work must be integrated and organic. The student's thesis provides the focus which determines the selection of courses for his program. On the recommendation of the student's adviser, the foreign-language requirement may be waived.

The program is supervised by the Committee on General Studies of which Dr. Elon H. Moore, head of the Department of Sociology, is chairman.

In addition to courses chosen from the offerings of the several University

* Except the degree of Master of Science in General Studies; see page 247.

schools and departments, the following courses are available for the general-studies student:

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

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

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

Master of Science in General Studies

The University offers a program of graduate study planned especially for students working toward the satisfaction of the Oregon state requirement of a fifth year of college work for final high-school teacher certification. The program leads to the degree of Master of Science in General Studies.

Enrollment in the program is open to any person who is eligible for admission to the Graduate School; the student must, however, have a reasonable background of undergraduate study in the fields or departments in which he proposes to work, and must complete prerequisites for specific courses. The requirements for the degree of Master of Science in General Studies are:

(1) A total of between 45 and 51 term hours in graduate courses, distributed in accordance with (a) and (b), below:

(a) A total of 36 term hours in graduate courses in two departments or fields of study, including not less than 15 term hours in each field. At least 6 term hours must be in 500 courses in one of the two departments; the student's program must be planned to provide well-rounded knowledge and must not be made up of scattered, unrelated courses.

(b) Between 9 and 15 term hours in graduate courses in the field of education, the number of hours to be determined on the basis of the work in education completed by the student as an undergraduate. (The state certification requirement specifies 9 term hours of graduate work in education and 6 term hours in education electives, which may be taken either at the undergraduate or the graduate level; students who take these electives in the fifth year must complete a total of 15 term hours of graduate work in education to qualify for the degree of Master of Science in General Studies.)

(2) Satisfaction of the regular requirements of the Graduate School for the master's degree, except that no thesis is required.

The program is administered by the dean of the Graduate School and supervised by the Committee on General Studies; Dr. W. J. Dixon, associate professor of mathematics, serves as adviser to students working toward the M.S. in General Studies degree.

Doctor of Philosophy

General Requirements. The degree of Doctor of Philosophy is granted primarily for attainments and proven ability. Requirements of time and credit are secondary; but no candidate will be recommended for the degree until he has satisfied the minimum requirements of residence and study.

It is the policy of the Graduate School not to accept as a candidate for the Ph.D. any person whose academic training, both undergraduate and graduate, has been exclusively at the University of Oregon.

A student will not be admitted to study toward the doctorate until he has completed all work for the master's degree.

Qualifying Examinations. Early in the first term of his doctoral work, the student takes qualifying examinations in his major and minor subjects. The examinations may cover any work done at another institution for which transferred credit is requested. All doctoral candidates are required to take the Graduate Record Examination and to furnish the Graduate School with a report. Information concerning this examination may be obtained at the Graduate Office.

Graduate Program. The student plans his doctoral program with the assistance of his major adviser. As soon as he has passed his qualifying examinations, his program is presented for approval to an advisory committee, appointed by the dean of the Graduate School.

The program should consist of studies in a major field and, in addition, closely related studies in a minor field or a substantial amount of work in several related fields. The minor or part of the cognate studies must be in some other than the major school or department. A student electing a formal minor should devote approximately forty per cent of his time to the minor. The selection of work in minor or cognate fields is subject to the approval of the Graduate Council.

Residence. For the doctor's degree, at least two years of full-time work beyond the master's degree are required, of which at least one year (usually the last) must be spent in residence on the Eugene campus of the University of Oregon or at the University of Oregon Medical School in Portland.

Preliminary Examinations. The student working toward the doctor's degree must pass a group of comprehensive preliminary examinations (oral or written, or both) in his major and minor subjects not less than one academic year before he expects to receive the degree. Advancement to candidacy is contingent on passing these examinations.

Language Requirements. For the Doctor of Philosophy degree, a reading knowledge of French and German must be demonstrated by a formal examination in each language. These examinations should be taken as early as possible after the beginning of graduate work, and must be passed before the preliminary examinations may be taken. Another foreign language may, with the approval of the Graduate Council, be substituted for either French or German if, in the opinion of the student's advisory committee, it will be of more value in his program.

Thesis. Every candidate for the degree of Doctor of Philosophy must submit a thesis embodying the results of research, and showing evidence of originality and ability in independent investigation. The thesis must be a real contribution to knowledge, based on the candidate's own investigations. It must show a mastery of the literature of the subject, and be written in creditable literary form. It is expected that the preparation of an acceptable thesis will require at least the greater part of an academic year.

Five copies of the thesis, approved by the adviser, must be deposited unbound in the Graduate Office not less than four weeks before the time set for the final examination. Ten copies of an abstract of the approved thesis (not longer than 1,500 words) must be filed two weeks before the examination.

Final Examination. The final examination for the degree of Doctor of Philosophy may be written in part, but must include an oral examination, usually of three hours' duration. The oral examination is open to all members of the

faculty and to advanced graduate students. The date of the oral examination is publicly announced at least one week before it is held. The examining committee consists of the candidate's advisory committee and other members, including at least one not directly connected with the major or minor department. The committee is nominated by the major department or school, subject to the approval of the dean of the Graduate School.

At the oral examination the candidate is expected to defend his thesis and to show a satisfactory knowledge of his major and minor fields. The written examination, if given, is expected to cover aspects of the major and minor fields with which the thesis is not directly concerned.

Other Graduate Degrees

Master of Education. The Master of Education is a professional degree in the field of education. Programs of study leading to the M.Ed. degree are designed to provide graduate training for teachers in either the elementary or secondary schools. Instead of a thesis, three papers are required, the last of which must be a professional field study made after at least one year's experience in teaching. Two written comprehensive final examinations are required, one in the candidate's area of concentration, the other in the more general functional areas of teaching.

Programs of studying leading to the M.Ed. degree are offered on the University campus and at the Portland Extension Center; but at least 8 of the 45 term hours of work required must be done on the University campus.

Master of Fine Arts. The requirements for the degree of Master of Fine Arts include the completion of an extended creative project of professional character, instead of a thesis. Normally, candidates having a high degree of creative ability may expect to spend about two years on this project and correlated course work before receiving the degree. Since, however, the degree is awarded primarily for creative achievement, there will be considerable individual variation in the time required. The student chooses his project and related courses with the advice of a committee of members of the faculty of the School of Architecture and Allied Arts.

Master of Music. Work leading to the degree of Master of Music is offered in three fields: composition, instrumental music, and vocal music. To be admitted to candidacy for the M.Mus. degree in the field of composition, the student must demonstrate the requisite skills and abilities for creative work, and must submit two original compositions. To be admitted to candidacy for the degree in the field of instrumental or vocal music, the student must demonstrate the requisite skills and abilities for professional performance, and must submit a complete repertory. The "thesis" for the M.Mus. degree may be either a research paper, an original composition in the large form, or a public instrumental or vocal performance. The student of vocal music must demonstrate a reading knowledge of at least two foreign languages and satisfactory diction in a third.

Doctor of Education. To be admitted to graduate study toward the degree of Doctor of Education, the student must have a master's degree and must submit evidence of successful professional experience. Three full years of graduate work (135 term hours), including work for the master's degree, are required for the D.Ed. degree. This work should be distributed approximately as follows: education, 60 term hours; work in a field or fields closely related to the major aim of the student's graduate program, 40 term hours; electives, 20 term hours; doctoral thesis, 15 term hours.

The candidate for the D.Ed. degree must present a thesis on a selected problem in the field of education. The thesis may be: (1) a mature and expert evaluation of existing knowledge in its application to the student's problem; or (2) an original contribution to knowledge through research.

There is no foreign-language requirement for this degree, unless the student's program demands an acquaintance with foreign literature.

The student working toward the D.Ed. degree takes the following examinations: (1) a qualifying examination given during the first term of work toward the degree; (2) divisional examinations covering his major field in education and related fields, given after he has completed not less than 90 term hours of work; and (3) a final oral examination, conducted by his advisory committee and at least two additional members of the faculty, at the conclusion of his work for the doctorate. The dean of the Graduate School is an ex officio member of this committee.

Assistantships, Scholarships, and Fellowships

GRADUATE and research assistantships, scholarships, and fellowships are awarded annually to graduates of accredited universities and colleges who have superior records in their undergraduate work. All persons holding these positions are expected to register in the Graduate School, and to become candidates for advanced degrees. Application should be made before March 15. Application blanks are furnished on request by the Graduate School.

The University will welcome the submission of Graduate Record Examination scores by students applying for assistantships, scholarships, or fellowships. For information about this examination write to Graduate Record Examination, 437 West 59th Street, New York City.

Graduate Assistantships. Graduate assistants render services amounting to not more than 15 hours a week—reading papers, handling laboratory and quiz sections, etc. They are permitted to enroll for a maximum of 12 term hours of course work. Stipends range from \$660 to \$810 a year. Graduate assistants pay a special reduced fee of \$17.50 per term.

Research Assistantships. Research assistants aid faculty members in carrying on research projects. Compensation, fees, and enrollment limitations are the same as for graduate assistants.

Teaching and Research Fellowships. Fellows are normally candidates for the doctorate, with at least one year of markedly superior work toward that degree completed. Teaching fellows give instructional assistance in their departments. The duties of research fellows are similar to the duties of research assistants; fellows are, however, expected to assume greater responsibility in connection with the research project to which they are assigned. Fellows are allowed to enroll for a maximum of 12 term hours of course work. Stipends range from \$900 to \$1,200 a year. Fellows pay a special reduced fee of \$17.50 per term.

State Scholarships. A limited number of scholarships covering tuition and laboratory and course fees (\$21.50 per term) are available to graduate students. All applicants, to be eligible, must be in need of financial assistance, and must show evidence of superior scholarship. Application should be made to the Registrar of the University, on official blanks furnished by his office, and must be filed before April 1.

Other Scholarships and Fellowships. Other scholarships and fellowships available to University graduate students are listed on pages 69-72. See especially: American Association of University Women Graduate Fellowship, Robert A. Booth Fellowship in Public Service, Thomas Condon Fellowship in Palaeontology, Arthur P. Pratt Scholarship, F. G. G. Schmidt Fellowship in German.

Graduate Work at the Medical School

THE University of Oregon Medical School offers graduate instruction leading to the Master of Arts, Master of Science, and Doctor of Philosophy degrees in the medical sciences: anatomy, bacteriology, biochemistry, pathology, pharmacology, and physiology. The Medical School admits as candidates for graduate degrees in these fields only those students who are preparing for a professional career in medicine or allied fields, such as dentistry, nursing, and work as a medical or dental technician. Graduate degrees earned at the Medical School are conferred by the University of Oregon, upon recommendation by the faculty of the Medical School.

In addition to opportunities for graduate study and research in the pre-clinical departments, arrangements may be made for special study of clinical problems by experimental methods, through the cooperation of the preclinical and clinical departments. In some cases, students doing work of this kind may qualify for graduate degrees.

Graduate Work at the Portland Center

IF ADEQUATE course offerings are available for an integrated program in the fields in which the student wishes to work, he may complete all the requirements for the degree of Master of Arts in General Studies at the Portland Center. Of the 45 term hours of work required for the Master of Education degree, 37 hours may be earned in Portland. In a number of fields, one-third of the work for the departmental Master of Arts or the Master of Science degree may be earned in Portland. Graduate work beyond the master's degree is not offered at the Portland Center. Graduate degrees earned at the Portland Center are awarded by the University of Oregon or Oregon State College according to major subject, in harmony with allocation of curricula and degrees.

General Extension Division

Administration

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

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

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

Correspondence Study

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

ARLETTA S. PENNY, Secretary.

State-Wide Extension Classes

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

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

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

ELSIE M. ISOTOFF, B.A., Secretary; Instructor in Extension Teaching.

Portland Extension Center

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

MAURINE W. CHURCHILL, Secretary.

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

HOYT C. FRANCHÉRE, M.A., Associate Professor of English.

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

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

Radio Station KOAC

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

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

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

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

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

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

DORICE WILLIAMS, Secretary.

Visual Instruction

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

RUSSELL M. ADAMS, M.S., Specialist in Visual Aids; Assistant Professor of Visual Instruction.

EVELYN DEMPSEY, Secretary.

Vanport Extension Center

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

PHIL S. PUTNAM, M.S., Assistant Director; Instructor in Economics.

KATHERINE MARY RAHL, M.A., Women's Adviser.

RICHARD B. HALLEY, M.A., Men's Adviser.

JOSEPH V. HOLLAND, M.A., Athletic Director.

MARGARET C. HOLLAND, B.A., Office Manager.

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

The General Extension Division of the Oregon State System of Higher Education serves the people of the state through adult education by means of extension classes, correspondence study, visual instruction, and radio. Its work is organized into the following departments: at Eugene: Correspondence Study, State-Wide Extension Classes; at Corvallis: Visual Instruction, Radio Station KOAC; at Portland: Portland Extension Center, Vanport Extension Center.

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

Portland Extension Center. General extension in Portland is carried on through the Portland Extension Center. More than two hundred evening, late afternoon, and Saturday morning courses in thirty-five different departments and professional schools were offered during the academic year 1947-48. The work of these classes is of standard college or university grade. Resident credit at the University, the State College, or the state colleges of education may be earned through these courses. Courses may be taken at the Portland Extension Center for graduate credit toward a master's degree at the University or the State College. Detailed information is published in the Portland Extension Center Announcements.

State-Wide Extension Classes. Through its program of state-wide extension classes, the General Extension Division provides the people of the state of Oregon with opportunities for college instruction and educational growth in their home

* The Federal Cooperative Extension Service is charged with extending to the residents of the state the benefits, advantages, and available information of the State College and of the United States Department of Agriculture in agriculture and home economics. This service includes all forms of cooperative off-campus instruction and assistance in those subjects which can be adapted, through extension methods, to the direct needs of the people of the state, particularly in enlarging and enriching the agricultural and home interests of Oregon.

communities. Courses will be organized in any community which can furnish a suitable meeting place for a class and can give assurance of an enrollment large enough to pay, through course fees, the cost of providing an instructor. The state-wide extension program includes both courses for college credit and noncredit courses.

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

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

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

Vanport Extension Center. To meet congested conditions in institutions of the State System, the Board of Higher Education established the Vanport Extension Center in the summer of 1946. Designed to provide for the overflow from the institutions, Vanport Center offers freshman and sophomore courses in a wide variety of fields. Course work is closely integrated with campus instruction; all credits earned are transferable to the University of Oregon, Oregon State College, and the colleges of education.

Summary of Enrollment and Degrees Granted 1946-47

ENROLLMENT BY CLASS AND MAJOR, REGULAR SESSIONS, 1946-47

Division	Sp., Aud.	Fr.	So.	Jr.	Sr.	Gr.	Total
College of Liberal Arts:							
General Arts and Letters .....	.....	.....	.....	1	2	.....	3
General Science .....	.....	.....	.....	2	1	.....	3
General Social Science .....	.....	.....	.....	7	7	.....	14
Pacific Basin Studies .....	.....	.....	.....	.....	1	.....	1
Anthropology .....	.....	.....	.....	3	3	4	10
Biology .....	.....	.....	.....	20	24	7	51
Chemistry .....	.....	.....	.....	2	13	17	32
Classics .....	.....	.....	.....	.....	1	2	3
Economics .....	.....	.....	.....	1	11	4	16
English .....	.....	.....	.....	26	47	16	89
Geology and Geography .....	.....	.....	.....	2	3	.....	5
Germanic Languages .....	.....	.....	.....	.....	3	2	5
History .....	.....	.....	.....	10	12	17	39
Mathematics .....	.....	.....	.....	3	8	7	18
Philosophy .....	.....	.....	.....	1	.....	5	6
Physics .....	.....	.....	.....	.....	4	4	9
Political Science .....	.....	.....	.....	5	14	4	23
Psychology .....	.....	.....	.....	22	22	19	63
Romance Languages .....	.....	.....	.....	7	8	10	25
Sociology .....	.....	.....	.....	23	35	6	64
Total, College of Liberal Arts	97	880	876	136	219	124	2,332
School of Architecture and Allied Arts.....	19	339	285	39	67	39	788
School of Business Administration.....	33	667	536	86	196	50	1,568
School of Education	5	29	41	20	42	50	187
School of Health and Physical Education.....	4	111	92	7	32	25	271
School of Journalism	5	184	171	36	54	7	457
School of Law	6	155	152	49	59	79	500
School of Music	10	95	80	15	25	11	236
General Studies .....	.....	.....	.....	.....	.....	1	1
Auditors	36	.....	.....	.....	.....	.....	36
Total, Eugene Campus	215	2,460	2,233	388	694	386	6,376
Dental School (Portland) .....	.....	.....	.....	.....	.....	.....	397*
Medical School (Portland) .....	.....	.....	.....	.....	.....	.....	757*
Total, University of Oregon .....	.....	.....	.....	.....	.....	.....	7,510

ENROLLMENT BY SEX, ALL SESSIONS, 1946-47

	Men	Women	Total
First Summer Session at Eugene, 1946	1,092	452	1,544
Second Summer Session at Eugene, 1946.....	821	210	1,031
Net Total, Summer Sessions at Eugene, 1946	1,180	514	1,694
Fall Term at Eugene, 1946-47	3,699	1,997	5,696
Winter Term at Eugene, 1946-47	3,710	1,906	5,616
Spring Term at Eugene, 1946-47	3,484	1,802	5,286
Net Total, Regular Sessions at Eugene, 1946-47	4,208	2,168	6,376
Net All Sessions, Dental School at Portland, 1946-47.....	379	18	397*
Net All Sessions, Medical School of Portland, 1946-47.....	264	493	757*
Net Total, All Sessions, University of Oregon, 1946-47	5,165	3,012	8,177

* Enrollment figures for the Dental School and Medical School include the full year of four terms. More detailed statistics for these schools are published in their separate catalogs.

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