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Higher Education
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* Resigned Jan. 21, 1946.
 † On leave of absence 1945-46.

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.

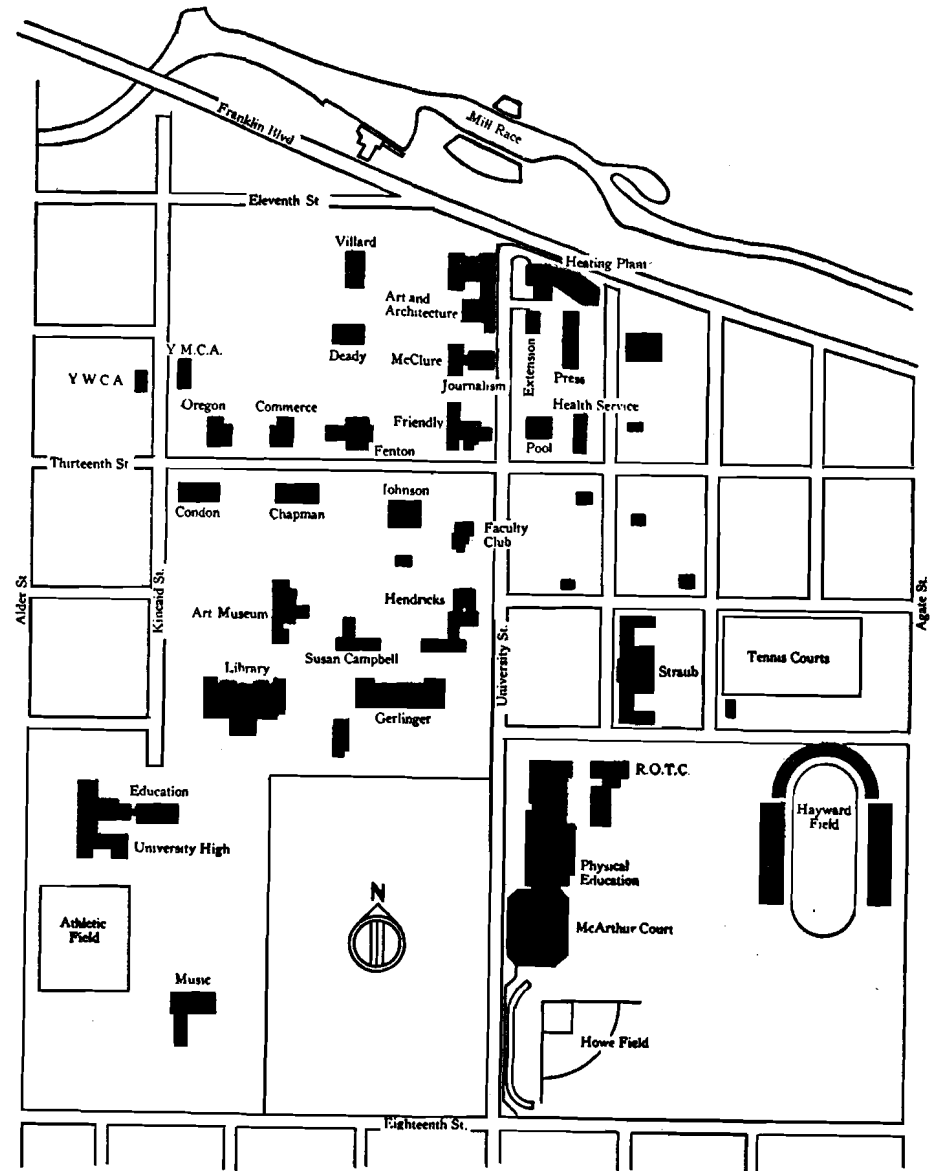
The institutions of the State System of Higher Education are the University of Oregon at Eugene, Oregon State College at Corvallis, the Oregon College of Education at Monmouth, the Southern Oregon College of Education at Ashland, and the Eastern Oregon College of Education at La Grande. The University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

The educational program thus developed, as shown in the following insert, includes: (1) Liberal Arts and Sciences, (2) Professional and Technical Curricula, (3) Graduate Study and Research.

University of Oregon Campus





University of Oregon, Eugene
 University of Oregon Medical School, Portland
 Eastern Oregon College of Education, La Grande

THE OREGON STATE SYSTEM OF HIGHER EDUCATION

Oregon State College, Corvallis
 Oregon College of Education, Monmouth
 Southern Oregon College of Education, Ashland



LIBERAL ARTS AND SCIENCES

UNIVERSITY OF OREGON

Lower Division (Junior Certificate)
 Freshman and sophomore work in Liberal Arts and Sciences (Language and Literature, Science, and Social Science) is offered on essentially the same basis at both the University and the State College.

College of Liberal Arts (B.A., B.S., M.A., M.S., Ph.D.)
 Major curricula in Basic Liberal Studies, General Arts and Letters, General Social Science, General Science, and in Anthropology, Biology, Chemistry, Classics, Economics, English (including options in Speech and Drama and in Preparatory Training), Geology and Geography, Germanic Languages, History, Mathematics, Philosophy, Physics, Political Science, Psychology, Romance Languages, and Sociology. Pre-medical, Pre-dental, and Preparatory Nursing curricula.

OREGON STATE COLLEGE

Lower Division (Junior Certificate)
 Freshman and sophomore work in Liberal Arts and Sciences (Language and Literature, Science, and Social Science) is offered on essentially the same basis at both the State College and the University.

School of Science (B.A., B.S., M.A., M.S., Ph.D.)
 Major curricula in General Science, and in Bacteriology and Hygiene, Botany, Chemistry, Entomology, Geology, Mathematics, Naval Science, Physics, and Zoology. Pre-medical, Pre-dental, and Preparatory Nursing curricula.

OREGON COLLEGES OF EDUCATION

Lower Division (Junior Certificate, Assoc. in Arts)
 At OREGON COLLEGE OF EDUCATION, Monmouth, SOUTHERN OREGON COLLEGE OF EDUCATION, Ashland, and EASTERN OREGON COLLEGE OF EDUCATION, La Grande, freshman and sophomore work in Liberal Arts and Sciences (Language and Literature, Science, and Social Science) is offered within the limits of the college-of-education curriculum.

PROFESSIONAL AND TECHNICAL CURRICULA

School of Architecture and Allied Arts (B.A., B.S., B.Arch., B.L.A., M.A., M.S., M.Arch., M.F.A., M.L.A.)
 Architectural Design, Interior Design, Landscape Architecture (with one year at State College), Drawing and Painting, Sculpture, Art Education, and General Art; Structural Design in Architecture, a joint curriculum with Engineering.

School of Business Administration (B.A., B.S., B.B.A., M.A., M.S., M.B.A.)
 Accounting, Advertising and Selling, Finance, Foreign Trade, General Business, Industrial Management, Marketing and Merchandising.

Dental School (Portland) (D.M.D.)
 Four-year professional curriculum in dentistry (following a minimum of two years of pre-dental work). Two-year curriculum for dental hygienists.

School of Education (B.A., B.S., B.Ed., M.A., M.S., M.Ed., D.Ed., Ph.D.)
 General Education Courses and preparation for Educational Administration. Major curricula preparing for teaching of Literature, Languages, Art, Music, Physical Education, Biological and Physical Sciences, Mathematics, Social Sciences, Business Administration, and approved combinations of subjects. Training for teachers of atypical children. The school operates jointly at the University and the State College.

School of Journalism (B.A., B.S., B.J., M.A., M.S.)
 Reporting, Editing, Advertising, Publishing, Typography and Fine Printing.

School of Law (B.A., B.S., LL.B., J.D.)
 A professional curriculum of three years above lower division (five years in all), leading to LL.B. degree; a professional curriculum of three years following a three-year general curriculum (six years in all), leading to baccalaureate and law degrees.

Medical School (Portland) (B.A., B.S., M.A., M.S., Ph.D., M.D.)
 Four-year professional curriculum in Medicine (following three-year pre-medical curriculum offered at both the University and the State College); graduate study in the Medical Sciences. Four-year degree curriculum in Nursing Education, including preparatory work at the University or the State College; advanced curricula leading to certificates in nursing specialties.

School of Music (B.A., B.S., B.M., M.A., M.S., M.M.)
 History and Appreciation, Theory, Composition, Applied Music, Public-School Music.

School of Physical Education (B.A., B.S., B.P.E., M.A., M.S.)
 Curriculum combining work in physical education, health education, and recreation. Preparation for coaching and for teaching of physical education and health education.

School of Agriculture (B.S., B.Agr., M.S., Ph.D.)
 Animal Industries (Animal, Dairy, and Poultry Husbandry, Dairy Manufacturing, Fish and Game Management, Fisheries); Agricultural Economics including Farm Management; Plant Industries (Farm Crops, Soils, Horticulture, Landscape Construction and Maintenance, Food Technology); Agricultural Education; Agricultural Engineering; Agricultural Technology.

Division of Business and Industry (B.A., B.S., B.S.S.)
 Business and Industry with major emphasis on General Business and Industry, Industrial Organization and Operation, Industrial Finance, Industrial Accounting and Cost Control, Industrial Marketing and Selling, Industrial Relations and Personnel Management; Naval Science; Secretarial Science, including Stenography, Typewriting, Office Methods.

School of Education (B.A., B.S., Ed.B., M.A., M.S., Ed.M., Ed.D.)
 Major curricula preparing for teaching of Biological and Physical Sciences, Mathematics, Agriculture, Home Economics, Industrial Arts, Commercial Education, and approved combinations of subjects. Training for educational and vocational guidance. Preparation for part-time physical-education teaching and coaching. The school operates jointly at the University and the State College.

School of Engineering and Industrial Arts (B.A., B.S., B.I.A., M.A., M.S., Ch.E., C.F.E., E.E., M.E., Met.E., Min.E., Ph.D.)
 Chemical and Electrochemical Engineering, Civil Engineering (Structural, Highway, Hydraulic, and Sanitary options), Electrical Engineering (Power, Communication, and Business options), Industrial Engineering, Mechanical Engineering (General, Aeronautical, Automotive, and Business options), Metallurgical Engineering, Mining Engineering, Naval Science, Industrial Administration, Industrial Arts Education; Structural Design in Architecture, a joint curriculum with Architecture and Allied Arts.

School of Forestry (B.S., B.F., M.S., M.F., F.E.)
 Logging Engineering, Technical Forestry (Forest Recreation option), Wood Products (Light Building Construction option).

School of Home Economics (B.A., B.S., M.A., M.S., Ph.D.)
 Clothing, Textiles, and Related Arts; Foods and Nutrition; Household Administration; Institution Economics; Home Economics Education.

School of Pharmacy (B.A., B.S., M.A., M.S.)
 Pharmacy, including Pharmaceutical Analysis, Pharmacology, and Pharmacognosy; preparation for certification as registered pharmacist.

Elementary Teacher Training (Three-Year Diploma, B.S. in Elementary Education)
 At OREGON COLLEGE OF EDUCATION, Monmouth, EASTERN OREGON COLLEGE OF EDUCATION, La Grande, and SOUTHERN OREGON COLLEGE OF EDUCATION, Ashland, three- and four-year curricula prepare students for teaching in the elementary schools. The three-year curricula lead to a diploma, the four-year curriculum to a bachelor's degree. Both curricula qualify the student for the State Teacher's Certificate. The work includes: (1) Training in the subjects to be taught, and in the effective teaching of those subjects. (2) Broad general education for the prospective teacher as an individual and citizen.

Semiprofessional and Preprofessional Curricula (Assoc. in Science)
 At SOUTHERN OREGON COLLEGE OF EDUCATION, Ashland, and EASTERN OREGON COLLEGE OF EDUCATION, La Grande, two-year semiprofessional curricula are offered in Secretarial Science, in Merchandising, in Radio-Electric Service and Management, and for Medical and Dental Assistants. A one-year pre-nursing curriculum, offered at EASTERN OREGON COLLEGE OF EDUCATION, admits to three years of hospital training leading to Registered Nurse certificate.

In addition to the major professional curricula listed above, the University offers lower-division and service courses in Home Economics, and service courses in Secretarial Science.

In addition to the major professional curricula listed above, the State College offers lower-division and service courses in Architecture and Allied Arts, Journalism, Music, and Physical Education.

GRADUATE STUDY AND RESEARCH

Graduate Division
 All graduate instruction is administered by the inter-institutional Graduate Division.

General Research Council
 Research is assisted through the inter-institutional General Research Council, and through institutional agencies.

UNIVERSITY OF OREGON

Graduate Division
 Graduate study leading to advanced degrees has been allocated to the University in the following fields:
 Liberal Arts and Sciences, Architecture and Allied Arts, Business Administration, Education, Journalism, Law, Medical Sciences, Music, and Physical Education.
 Advanced degrees granted are listed above, following the name of each major college or school.

OREGON STATE COLLEGE

Graduate Division
 Graduate study leading to advanced degrees has been allocated to the State College in the following fields:
 Biological Sciences, Physical Sciences (including Mathematics), Agriculture, Education, Engineering, Forestry, Home Economics, and Pharmacy.
 Advanced degrees granted are listed above, following the name of each major school.

EXTENSION

General Extension Division

The General Extension Division of the State System extends the services and instruction of the System to the people of the state through the following departments:

- Correspondence Study
- Portland Extension Center
- Radio Station KOAC
- State-Wide Extension Classes
- Visual Instruction

In certain fields graduate work may be taken at the Portland Extension Center, leading to degrees from the University or the State College, according to the major subject.

Federal Cooperative Extension

The Federal Cooperative Extension Service in agriculture and home economics of the State College is closely coordinated with the work of the General Extension Division.

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* On leave of absence 1945-46.

† Resigned Dec. 31, 1945.

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A.B. (1905), Nebraska; A.M. (1919), Columbia; Ed.D. (1925), California; LL.D. (1930), Colorado College; LL.D. (1932), University of Colorado; LL.D. (1939), Nebraska. Chancellor, State System, since 1935.
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B.E. (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. (1931), Washington. At Oregon since 1944.
- PERCY PAGET ADAMS, A.B., B.S., Assistant Dean of the School of Architecture and Allied Arts; Professor of Graphics.
A.B. (1901), B.S. (1902), Oregon. At Oregon since 1901.
- DANIEL LESLIE ADLER, Ph.D., Acting Assistant Professor of Psychology; Counselor, University Testing Bureau.
B.A. (1935), Western Reserve; M.A. (1936), Ph.D. (1939), Iowa. At Oregon since 1945.
- HOWARD JOHN AKERS, M.A., Instructor in Education; Supervisor of Social Science, University High School.
B.A. (1931), M.A. (1934), Colorado State College of Education. At Oregon since 1942.
- VAUGHN SHAFFER ALBERTSON, M.A., Instructor in English.
B.A. (1928), Rice; M.A. (1930), Columbia. At Oregon since 1945.
- †ARMEN ALBERT ALCHIAN, Ph.D., Instructor in Economics.
A.B. (1936), Ph.D. (1944), Stanford. At Oregon since 1942.
- FLORENCE DELIA ALDEN, M.A., Professor Emeritus of Physical Education.
A.B. (1904), Smith; M.A. (1928), Columbia. At Oregon since 1921.
- WILLIAM FITCH ALLEN, Ph.D., D.Sc., Professor of Anatomy, Medical School; Head of Department.
A.B. (1900), A.M. (1902), Stanford; Ph.D. (1915), Minnesota; D.Sc. (1945), Oregon. At Oregon since 1916.
- 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.
- †N. PAUL E. ANDERSON, M.D., Associate Professor of Physical Education; Assistant University Physician.
B.A. (1929), Nebraska Wesleyan; M.D. (1935), Nebraska. At Oregon since 1940.
- * 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, research, and extension of the Oregon State System of Higher Education, is printed in the back of this Catalog.
† On leave of absence 1945-46.

- ROY CHESTER ANDREWS, M.A., Instructor in Chemistry.
B.A. (1915), M.A. (1926), Oregon. At Oregon since 1935.
- LOUIS ARTAU, M.A., Assistant Professor of Music.
B.A. (1939), M.A. (1945), Oregon. At Oregon since 1924.
- VICTORIA AVAKIAN, M.F.A., Associate Professor of Applied Design.
B.A. (1927), Oregon; M.F.A. (1939), Southern California. At Oregon since 1920.
- WILLIAM S. AVERILL, B.S., Major Infantry; Professor of Military Science and Tactics; Head of Department.
B.S. (1917), Oregon State. At Oregon since 1942.
- ELSIE McDOWELL BAILEY, M.A., Instructor in English.
B.A. (1926), Montana; M.A. (1930), Oregon. At Oregon since 1943.
- DAVID W. E. BAIRD, M.D., Dean of the Medical School; Professor of Medicine.
M.D. (1926), Oregon. At Oregon since 1927.
- WALLACE SPENCER BALDINGER, Ph.D., Associate Professor of Art.
B.A. (1928), M.A. (1932), Oberlin; Ph.D. (1938), Chicago. At Oregon since 1944.
- WESLEY CHARLES BALLAINE, Ph.D., Associate Professor of Business Administration.
A.B. (1927), M.B.A. (1931), Washington; Ph.D. (1940), Chicago. At Oregon since 1941.
- JULIA BALZHISER, Instructor in Clarinet.
At Oregon since 1945.
- BEATRICE JANE BARKER, Ph.B., Cataloging Librarian Emeritus.
Ph.B. (1895), Brown; Certificate (1904), Albany Library School. At Oregon since 1909.
- BURT BROWN BARKER, A.B., LL.D., Vice-President.
A.B. (1897), Chicago; LL.B. (1901), Harvard; LL.D. (1935), Linfield. At Oregon since 1928.
- *HOMER GARNER BARNETT, Ph.D., Assistant 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.
- 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.
- KARL J. BELSER, M.Arch., Planning Consultant, Bureau of Municipal Research and Service.
B.S.Arch. (1925), Michigan; M.Arch. (1927), Harvard. At Oregon since 1945.
- ERWIN T. BENDER, D.D.S., Assistant Professor of Operative Dentistry; Acting Superintendent of Dental Clinics.
D.D.S. (1924), Iowa. At Dental School since 1943.
- HAROLD WRIGHT BERNARD, Ph.D., Assistant Professor of Education.
A.B. (1930), Spokane; M.A. (1933), Stanford; Ph.D. (1938), Northwestern. At Oregon since 1938.

* On leave of absence 1945-46.

† On leave of absence, winter and spring terms, 1945-46.

- *MARY BERRY, B.S., Instructor in Physical Education.
B.S. (1939), Oregon State. At Oregon 1945.
- JOSEPH BROWN BILDERBACK, M.D., Professor of Pediatrics, Medical School; Head of Department.
M.D. (1905), Oregon. At Oregon since 1911.
- FRANK GEES BLACK, Ph.D., Associate Professor of English.
A.B. (1921), Dickinson; A.M. (1923), Ph.D. (1936), Harvard. At Oregon since 1936.
- JESSE HICKMAN BOND, Ph.D., Professor 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.
- SAGA BOUGHTON, Instructor in Piano.
Cert. (1928), German Academy of Music and Allied Arts, Prague. At Oregon since 1945.
- EARL EUGENE BOUSHEY, M.S., Assistant Professor of Physical Education.
Ed.B. (1930), California at Los Angeles; M.S. (1933), Oregon. At Oregon since 1930.
- RAY PRESTON BOWEN, Ph.D., Professor of Romance Languages; Head of Department.
A.B. (1905), Harvard; A.M. (1915), Ph.D. (1916), Cornell. At Oregon since 1925.
- CLARENCE VALENTINE BOYER, Ph.D., Professor Emeritus of English.
B.S. (1902), M.A. (1909), Ph.D. (1911), Princeton. At Oregon since 1926.
- 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.
- MARGARET ELIZABETH BREWSTER, M.S., Instructor in Physical Education.
B.S. (1935), Missouri; M.S. (1937), Michigan. At Oregon since 1946.
- RALPH BRIGGS, M.M., Assistant Professor of Piano.
B.M. (1928), M.M. (1935), Cincinnati Conservatory of Music. At Oregon since 1945.
- EYLER BROWN, M.Arch., Acting Dean of the School of Architecture and Allied Arts; Associate Professor of Architecture.
B.A. (1916), B.S. in Arch. (1917), Oregon; M.Arch. (1922), Massachusetts Institute of Technology. At Oregon since 1922.
- KATE BUCHANAN, M.A., Instructor in English.
B.A. (1927), Oregon; M.A. (1936), Washington State. At Oregon since 1945.
- 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.
- 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.
- †FRED V. CAHILL, JR., Ph.D., Instructor in Political Science.
B.A. (1937), M.A. (1938), Nebraska; Ph.D. (1941), Yale. At Oregon since 1941.
- DORIS HELEN CALKINS, B.M., Instructor in Harp.
B.M. (1931), Oregon. At Oregon since 1931.
- *ALICE WILLIAMS CARKIN, M.A., Instructor in Education.
B.A. (1909), Mt. Holyoke; M.A. (1928), Columbia; M.Ed. (1945), Oregon. At Oregon 1945.

* Resigned Dec. 31, 1945.

† On leave of absence 1945-46.

- 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., Associate Clinical Professor of Dental Medicine, Medical School; Head of Division.
D.D.S. (1896), Temple; M.D. (1901), Oregon. At Oregon since 1924.
- MARJORIE FRANCES CHESTER, B.A., B.S. in L.S., Instructor in Library Training.
B.A. (1930), Oregon; B.S. in L.S. (1942), Denver. At Oregon since 1941.
- CLARENCE WILLIAM CLANCY, Ph.D., Assistant 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; Director of Summer Sessions.
B.A. (1907), Ph.D. (1910), Iowa. At Oregon since 1921.
- ROBERT DONALD CLARK, M.A., Assistant Professor of Speech and Dramatic Arts.
A.B. (1931), Pasadena; M.A. (1935), Southern California. At Oregon since 1943.
- *ERNEST HOBART COLLINS, Ph.D., Assistant Professor of Physics.
A.B. (1919), William Jewell; M.S. (1923), Ph.D. (1928), Iowa. At Oregon 1941-45.
- WINIFRED COLTON, B.F.A., Instructor in Cello and Piano.
B.F.A. (1943), South Dakota. At Oregon since 1945.
- FREDERICK MALCOLM COMBELLACK, Ph.D., Assistant Professor of Latin and Greek.
B.A. (1928), Stanford; Ph.D. (1936), California. At Oregon since 1937.
- ROSE COMBELLACK, Ph.D., Instructor in English.
A.B. (1928), M.A. (1930), Stanford; Ph.D. (1937), California. At Oregon since 1943.
- 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., Assistant Registrar.
B.A. (1925), M.A. (1929), Oregon. At Oregon since 1931.
- HERBERT C. COOPER, D.M.D., Professor of Operative Dentistry; In charge of Operative Dentistry and Operative Dental Clinic.
D.M.D. (1900), Minnesota. At Dental School since 1930.
- VAUGHN CORLEY, M.A., Instructor in Physical Education; Assistant Athletic Coach.
B.S. (1929), Texas Technological College; M.A. (1938), New Mexico College of Agriculture and Mechanic Arts. At Oregon since 1939.
- †RALF COUCH, B.A., Executive Secretary and Business Manager, Medical School; Administrator of Hospitals.
B.A. (1923), Oregon. At Oregon 1925-46.
- CHRISTINA ADELLA CRANE, Ph.D., Instructor in 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. (1923), General Theological Seminary; M.A. (1923), Ph.D. (1925), Columbia. At Oregon since 1929.
- CHARLES C. CREW, Business Manager of Dental School.
At Dental School since 1939.

* Resigned Dec. 31, 1945.

† Deceased Feb. 28, 1946.

- ELLEN C. CREW, Registrar of the Dental School.
At Dental School since 1934.
- 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.
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.
- WALFRED ANDREW DAHLBERG, M.A., Associate Professor of Speech and Dramatic Arts; Director of Division of Speech and Drama.
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.
- 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.
- HARRY B. DAVIS, A.B., Instructor in Education; Supervisor of Physical Education, University High School.
A.B. (1931), Colorado State College of Education. At Oregon since 1943.
- VALLIÈRE G. DECKER, M.S., Instructor in Home Economics.
B.A. (1920), Iowa; M.S. (1928), Washington; Diploma (1931), Florence; Certificate (1935), Munich. At Oregon since 1945.
- EDGAR EZEKIEL DECOU, M.S., Professor Emeritus of Mathematics.
B.S. (1894), Wisconsin; M.S. (1897), Chicago. At Oregon since 1902.
- WILLIAM DEDMAN, M.Ed., Instructor in Education; Supervisor of English, University High School.
B.S. (1940), M.Ed. (1945), Oregon. At Oregon since 1944.
- ARNO H. DENECKE, A.B., LL.B., Assistant Professor of Law.
A.B. (1937), LL.B. (1939), Illinois. At Oregon since 1946.
- 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.
- 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 Pathology and Psychiatry, Medical School; Head of Division of Psychiatry.
M.D. (1928), Washington University. At Oregon since 1932.
- 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.
- VIRGIL DELMAN EARL, M.A., Dean of Men.
B.A. (1906), M.A. (1932), Oregon. At Oregon since 1923.

* On leave of absence 1945-46.

- EDWIN GEORGE EBBIGHAUSEN, Ph.D., Associate Professor of Physics.
B.S. (1936), Minnesota; Ph.D. (1940), Chicago. At Oregon since 1946.
- ARNOLD ELSTON, Ph.D., Assistant Professor of Music.
B.A. (1930), College of City of New York; M.A. (1932), Columbia; Ph.D. (1939), Harvard. At Oregon since 1941.
- NORMAN ROBERT EGGIMANN, M.S., Assistant Professor of Business Administration.
B.S. (1932), Southeast Missouri State Teachers; M.S. (1939), Illinois. At Oregon since 1946.
- 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.
- LYOYD M. FAUST, B.S., Assistant Professor of Business Administration; Research Associate in Business Administration.
B.S. (1935), Oregon. At Oregon since 1941.
- RALPH ALBERT FENTON, M.D., D.Sc., Clinical Professor of Otolaryngology, Medical School; Head of Division of Otology, Rhinology, and Laryngology.
B.A. (1903), D.Sc. (1943), Oregon; M.D. (1906), Northwestern. At Oregon since 1910.
- ELIZABETH FINDLY, A.M.L.S., Instructor in Library Training; Senior Reference Assistant, Library.
A.B. (1929), Drake; B.S. in L.S. (1934), Illinois; A.M.L.S. (1945), Michigan. At Oregon since 1934.
- BRUCE R. FIRMAN, Sgt., D.E.M.L., Instructor in Military Science and Tactics.
At Oregon since 1945.
- ANDREW FISH, Ph.D., Professor of History.
B.A., (1920), M.A. (1921), Oregon; Ph.D. (1923), Clark. At Oregon since 1920.
- HOYT CATLIN FRANCHÈRE, M.A., Assistant Professor of English.
A.B. (1928), M.A. (1931), Iowa. At Oregon since 1940.
- RUTH FRANCHÈRE, B.A., Instructor in English.
B.A. (1930), Iowa. At Oregon 1943-44 and since 1946.
- 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.
- *DELBERT RANSOM FRENCH, Ph.D., Associate Professor of Economics.
B.A. (1915), Reed; M.A. (1920), Wisconsin; Ph.D. (1930), Stanford. At Oregon 1933-45.
- BERTHOLD C. FRIEDL, D. ès L. Associate Professor of Romance Languages and Russian.
A.B. (1924), Lawrence; M.A. (1926), Chicago; D. ès L. (1931), Université de Paris. At Oregon since 1945.
- 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.

* Resigned Dec. 31, 1945.

- MAUDE GARNETT, M.A., Associate Professor of Public-School Music.
B.S. (1931), Idaho; M.A. (1934), New York University. At Oregon since 1940.
- ALICE GEROT, B.A., Instructor in Education; Supervisor of Library, University High School.
B.A. (1937), Oregon. At Oregon since 1943.
- KENNETH SMITH GHENT, Ph.D., Assistant Professor of Mathematics.
B.A. (1932), McMaster; S.M. (1933), Ph.D. (1935), Chicago. At Oregon since 1935.
- JAMES HENRY GILBERT, Ph.D., Dean of the College of Liberal Arts; Professor of Economics; Head of Department.
B.A. (1903), Oregon; Ph.D. (1907), Columbia. At Oregon since 1907.
- GRACE IRVIN GLANG, B.A., Acting Assistant Dean of Women.
B.A. (1941), Oregon. At Oregon since 1945.
- *GEORGE H. GODFREY, B.S., Associate in News Bureau.
B.S. (1929), Oregon. At Oregon since 1927.
- †FLORENCE GOULD, M.A., Instructor in English.
B.A. (1928), M.A. (1930), Oregon. At Oregon 1933-38, 1940-46.
- STACEY L. GREEN, Mus.M., Instructor in Piano.
A.B. (1922), Northland; Mus. M. (1940), Northwestern. At Oregon since 1944.
- VIRGINIA GREER, M.A., Instructor in Education; Supervisor of Social Studies, University High School.
B.A. (1929), M.A. (1935), Oregon. At Oregon since 1943.
- JOHN ELDEN HALE, M.A., Instructor in Education; Supervisor of Science and Vice-Principal, University High School.
B.A. (1928), Nebraska; M.A. (1938), Colorado. At Oregon since 1945.
- GEORGE LYMAN HALL, M.A., Assistant Dean of Men.
B.S. (1939), Oregon; M.A. (1945), Northwestern. At Oregon since 1945.
- 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.
- DAN C. HAMLOW, M.A., Instructor in Education; Supervisor of Mathematics, University High School.
B.Sc. (1930), Nebraska; M.A. (1938), Colorado State College of Education. At Oregon since 1943.
- JOHN R. HAND, M.D., Assistant Clinical Professor of Urology, Medical School; Acting Head of Division.
B.S. (1921), B.M. (1923), M.S. (1936), M.D. (1924), Minnesota. At Oregon since 1932.
- FREDERICK T. HANNAFORD, B.A., Professor of Structural Design in Architecture.
B.A. (1924), Washington State. At Oregon since 1946.
- *LAWRENCE EDWARD HARTWIG, B.A., J.D., Assistant Professor of Law.
B.A. (1931), J.D. (1934), Michigan. At Oregon since 1938.
- WALLACE STANFORD HAYDEN, B.Arch., Associate Professor of Architecture.
B.Arch. (1928), Oregon. At Oregon since 1930.

* On leave of absence 1945-46.

† Resigned March 31, 1946.

- WILLIAM LOUIS HAYWARD, Professor Emeritus of Physical Education; Coach of Track Athletics.
At Oregon since 1903.
- *RAYMOND C. HENDRICKSON, B.S., Instructor in Education; Supervisor of Physical Education for Boys, University High School.
B.S. (1935), Oregon. At Oregon since 1935.
- HOWARD ANDREW HOBSON, M.A., Assistant Professor of Physical Education; Head Coach of Basketball and Baseball.
B.S. (1926), Oregon; M.A. (1929), Columbia. At Oregon since 1935.
- 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.
- 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 DEWEY HORN, Ph.D., Professor of English.
B.A. (1922), M.A. (1924), Ph.D. (1930), Michigan. At Oregon since 1925.
- CHARLES GERARD HOWARD, A.B., J.D., Professor of Law.
A.B. (1920), J.D. (1922), Illinois. At Oregon since 1928.
- HOWARD STANLEY HOYMAN, M.A., Associate Professor of Physical Education.
B.S. (1931), Ohio State; M.A. (1932), Columbia. At Oregon since 1932.
- *ROBERT BRUCE HUBER, Ph.D., Assistant Professor of Speech and Dramatic Arts.
A.B. (1930), Manchester College; M.A. (1934), Michigan; Ph.D. (1942), Wisconsin. At Oregon since 1942.
- HARLOW E. HUDSON, Instructor in Architecture.
At Oregon since 1938.
- 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.
- *CHARLES M. HULTEN, M.A., Associate Professor of Journalism.
B.A. (1929), M.A. (1931), Wisconsin. At Oregon since 1934.
- 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.
- ANDREI L. ISOTOFF, M.S., Instructor in Geology and Geography.
B.S. (1939), M.S. (1942), Oregon. At Oregon 1942-44 and since 1945.

* On leave of absence 1945-46.

- EDITH ROEDER JACOBS, M.A., Instructor in Physical Education.
M.A. (1928), Columbia. At Oregon since 1946.
- SAMUEL HAIG JAMESON, Ph.D., Professor of Sociology.
S.T.B. (1919), Yale; A.B. (1920), Amherst; M.A. (1921), Columbia; Ph.D. (1929), Southern California. At Oregon since 1930.
- LEONARD L. JERMAIN, M.S., Instructor in Journalism.
B.S. (1940), M.S. (1946), Oregon. At Oregon since 1945.
- BERTRAM EMIL JESSUP, Ph.D., Assistant Professor of English and Aesthetics.
B.A. (1927), M.A. (1935), Oregon; Ph.D. (1938), California. At Oregon since 1936.
- GEORGE STANLEY JETTE, B.L.A., Instructor in Landscape Architecture.
B.L.A. (1940), Oregon. At Oregon since 1941.
- JAMES RALPH JEWELL, Ph.D., LL.D., Dean of the School of Education; Professor 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., Professor of Political Science and Public Administration; Head of Department 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.
- CATHERINE MURRISON JONES, M.S., Instructor in Physical Education.
B.A. (1937), Iowa State Teachers; M.S. (1945), Oregon. At Oregon since 1944.
- THOMAS MARTIN JOYCE, M.D., Kenneth A. J. Mackenzie Professor of Surgery, Medical School; Head of Department.
M.D. (1910), Michigan. At Oregon since 1922.
- 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.
- NAOMI KELLIS, Instructor in Voice.
Diploma (1917), Arizona State Teachers. At Oregon since 1944.
- CARDINAL LYLE KELLY, M.A., C.P.A., Professor of Business Administration.
Ph.B. (1911), Chicago; M.A. (1923), Ohio State; C.P.A. (1922), State of Nebraska. At Oregon since 1922.
- *VERNON E. KERLEY, M.S., Instructor in Education; Instructor in 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 of Art Education.
B.A. (1899), Oregon; B.S. with Diploma in Fine Arts (1906), Columbia. At Oregon since 1921.
- PAT A. KILLGALLON, D.Ed., Professor of Education.
A.B. (1926), M.Ed. (1932), D.Ed. (1942), Pennsylvania State. At Oregon since 1942.
- 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.

* On leave of absence 1945-46.

- EDWARD DOMINICUS KITTOE, M.A., Instructor in English.
B.A. (1931), M.A. (1936), Oregon. At Oregon since 1936.
- ERNESTO RAY KNOLLIN, M.A., Professor of Physical Education.
B.A. (1914), M.A. (1929), Stanford. At Oregon since 1929.
- CARL FREDERICK KOSSACK, Ph.D., Assistant Professor of Mathematics.
A.B. (1935), A.M. (1936), California at Los Angeles; Ph.D. (1939), Michigan. At Oregon since 1939.
- 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.
- MARVIN AARON KRENK, M.A., Instructor in Speech and Dramatic Arts.
B.A. (1937), Nebraska State Teachers College; M.A. (1938), Northwestern. At Oregon since 1939.
- CLARICE KRIEG, A.M., Acting Librarian; Catalog Librarian.
B.A. (1932), Iowa; B.S. in L.S. (1933), A.M. (1935), Illinois. At Oregon since 1941.
- SHIRLEY KROEGER, B.S., Instructor in Education; Supervisor of Physical Education for Girls, University High School.
B.S. (1945), Oregon. At Oregon since 1945.
- 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.
- THOMAS E. LAFARGUE, Ph.D., Visiting Associate Professor of History.
B.A. (1925), M.A. (1926), California; Ph.D. (1935), Stanford. At Oregon since 1946.
- EDNA LANDROS, Ph.D., Assistant Professor of Classical Languages; Head of Department of Classics.
A.B. (1913), Kansas; A.M. (1921), Arizona; Ph.D. (1935), Oregon. At Oregon since 1928.
- OLAF LARSELL, Ph.D., Sc.D., Dean of Graduate Division; Professor of Anatomy, Medical School.
B.S. (1910), Sc.D. (1937), Linfield; M.A. (1914), Ph.D. (1918), Northwestern. At Oregon since 1921.
- *ELLIS FULLER LAWRENCE, M.S., F.A.I.A., Dean of the School of Architecture and Allied Arts; Professor of Architecture.
B.A. (1901), M.S. (1902), Massachusetts Institute of Technology. At Oregon 1914-46.
- 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 Physical Education; Professor of Education.
B.A. (1925), D.Sc. (1941), College of Idaho; Ph.D. (1931), Oregon. At Oregon since 1931.
- EDWARD CHRISTIAN ALAN LËSCH, Ph.D., Professor of English.
B.A. (1925), M.A. (1926), Illinois; Ph.D. (1928), Princeton. At Oregon since 1928.
- JOHN ORVILLE LINDSTROM, B.S., Business Manager.
B.S. (1932), Oregon. At Oregon since 1932.

* Deceased Feb. 27, 1946.

- ALFRED LEWIS LOMAX, M.A., Professor of Business Administration.
B.B.A. (1923), Oregon; M.A. (1927), Pennsylvania. At Oregon since 1919.
- 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 FREDERIC LUSSKY, Ph.D., Professor of Germanic Languages and Literatures; Head of Department.
A.B. (1907), Chicago; A.M. (1912), Ph.D. (1915), Wisconsin. At Oregon 1910-11 and since 1939.
- ALICE BAKER MACDUFF, B.A., Housing Secretary.
B.A. (1906), Michigan. At Oregon since 1930.
- MILDRED MACKINNON, M.A., Instructor in English.
B.A. (1926), Idaho; M.A. (1945), Oregon. At Oregon 1944-45 and since 1946.
- FREEMAN GLENN MACOMBER, Ed.D., Professor of Education.
A.B. (1926), Washington; M.A. (1930), Ed.D. (1936), Stanford. At Oregon since 1937.
- †VICTOR F. MANSON, First Lieutenant, U. S. Army; Assistant Professor of Military Science and Tactics.
At Oregon 1943-45.
- M. PAULINE MARIS, B.A., Acting Assistant Director, Bureau of Municipal Research and Service.
B.A. (1942), Oberlin. At Oregon since 1945.
- WAYNE W. MASSEY, Ph.D., Associate Professor of Physical Education.
B.S. (1933), M.A. (1935), Ph.D. (1938), Iowa. At Oregon since 1940.
- 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 Drawing and Painting.
Graduate (1927), Art Institute of Chicago. At Oregon since 1934.
- JOHN MERRITT MCGEE, Ph.D., Acting Associate Professor of Chemistry.
B.A. (1909), M.A. (1911), Washington; M.A. (1914), Columbia; Ph.D. (1920), California. At Oregon since 1942.
- *LOYE ALBERT MCGEE, M.A., Assistant Professor of Physical Education.
B.S. (1929), Oregon; M.A. (1932), Columbia. At Oregon since 1942.
- ROSE ELIZABETH MCGREW, Professor of Voice.
At Oregon since 1920.
- *MAX RUSSELL MCKINNEY, M.A., Instructor in Education; Supervisor of Social Living, University High School.
B.A. (1934), M.A. (1939), Oregon; Diplôme (1938), Sorbonne. At Oregon since 1941.
- HERBERT CRAWFORD McMURTRY, Ph.D., Acting Assistant Professor of Psychology; Counselor, University Testing Bureau.
B.A. (1926), Yankton; M.A. (1931), Chicago; Ph.D. (1938), Oregon. At Oregon since 1945.
- 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.

* On leave of absence 1945-46.

† Resigned Dec. 26, 1945.

- 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. At Oregon since 1925.
- HORACE M. MILLER, D.M.D., Professor of Exodontia; In charge of Exodontic Dental Clinic.
A.B. (1917), Reed; D.M.D. (1924), North Pacific College of Oregon. 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 D. MILLICAN, M.B.A., Assistant Professor of Advertising.
B.S. (1931), M.B.A. (1940), Southern California. At Oregon since 1945.
- RANDALL VAUSE MILLS, M.A., Instructor in English.
B.A. (1929), California at Los Angeles; M.A. (1932), California. At Oregon since 1938.
- 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 and Dramatic Arts.
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.
- *DOROTHA EVELYN MOORE, M.S., Instructor in Physical Education.
B.S. (1936), Colorado; M.S. (1944), Oregon. At Oregon since 1941.
- ELON HOWARD MOORE, Ph.D., Professor of Sociology; Head of Department.
A.B. (1919), Albion; Ph.D. (1927), Wisconsin. At Oregon since 1935.
- FREDERICK DEAN MOORE, M.A., Instructor in English.
B.A. (1921), M.A. (1942), Oregon. At Oregon since 1945.
- RALPH URBAN MOORE, Ed.D., Acting Assistant Professor of Education.
B.A. (1923), M.A. (1929), Oregon; Ed.D. (1946), Stanford. At Oregon since 1925.
- 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, D.E.M.L., Instructor in Military Science and Tactics.
At Oregon 1941-43 and since 1945.
- *LEON CHARLES MULLING, M.A., Instructor in Education; Supervisor of English, University High School.
B.A. (1936), M.A. (1940), Colorado State College of Education. At Oregon since 1941.
- THOMAS FRANCIS MUNDLE, M.A., Instructor in English.
M. A. (1923), St. Andrews. At Oregon since 1940.
- ROBERT COBB MYERS, M.A., Instructor in Sociology.
S.B. (1940), Boston; M.A. (1941), Stanford. At Oregon since 1945.

* On leave of absence 1945-46.

- JOHN HENRY NASH, Litt.D., LL.D., Lecturer Emeritus in Typography.
M.A. (1923), Mills; Litt.D. (1925), Oregon; LL.D. (1931), San Francisco. At Oregon since 1926.
- 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.
- LOIS BRYANT NEWMAN, B.A., Instructor in Business Administration.
B.A. (1935), Whitman. At Oregon since 1944.
- SIGURD NILSSEN, Professor of Voice.
Graduate (1919), Whitman Conservatory of Music. At Oregon since 1940.
- *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; Supervising Engineer.
A.B. (1918), William Jewell; M.S. (1920), Texas Christian; E.M. (1921), Sc.D. (1922), Colorado School of Mines. At Oregon since 1930.
- HAROLD JUDD NOYES, D.D.S., M.D., Dean of the Dental School.
Ph.B. (1923), M.D. (1933), Chicago; B.S. (1928), D.D.S. (1928), Illinois. At Dental School since 1946.
- GERALD A. OLIVER, B.A., Assistant Professor of Physical Education; Head Football Coach.
B.A. (1930), Southern California. At Oregon since 1938.
- KARL WILLIAM ONTHANK, M.A., Dean of Personnel Administration.
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.
- EARL MANLEY PALLETT, Ph.D., Executive Secretary and Registrar.
B.S. (1921), M.S. (1922), Wisconsin; Ph.D. (1931), Oregon. At Oregon since 1927.
- DORWIN LEWIS PALMER, M.D., Assistant Clinical Professor of Radiology, Medical School; Head of Division.
M.D. (1915), Oregon. At Oregon since 1922.
- 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.
- ARTHUR LEE PECK, B.S., B.A., Professor of Landscape Architecture.
B.S. (1904), Massachusetts State; B.A. (1904), Boston. At Oregon since 1932.
- MARY HALLOWELL PERKINS, M.A., Professor 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.
- PERRY JOHN POWERS, B.A., Instructor in Romance Languages.
B.A. (1941), Oregon. At Oregon since 1946.
- WARREN C. PRICE, M.A., Associate Professor of Journalism.
B.A. (1929), M.A. (1938), Wisconsin. At Oregon since 1942.

* On leave of absence, winter and spring terms, 1945-46.

- FRANCIS JOSEPH REITHEL, Ph.D., Assistant Professor of Chemistry.
B.A. (1936), Reed; M.A. (1938), Ph.D. (1942), Oregon. At Oregon since 1946.
- LOUIS EARL RICHTER, B.A., Instructor in Romance Languages.
B.A. (1940), Minnesota. At Oregon since 1946.
- †WILBUR POWELSON RIDDLESBARGER, A.M., J.D., Associate Professor of Business Administration.
A.B. (1923), A.M. (1926), Nebraska; J.D. (1935), Oregon. At Oregon 1932-45.
- MARIE RIDINGS, M.A., Instructor in Mathematics.
B.A. (1921), Oregon; M.A. (1929), Columbia. At Oregon since 1943.
- MARLYN RIDOUT, Instructor in Brass Instruments.
At Oregon since 1945.
- *ARTHUR RIEHL, M.A., Instructor in Architectural Design.
B.A. (1932), B. Arch. (1934), Oregon; M.A. (1935), Massachusetts Institute of Technology. At Oregon since 1940.
- BERNICE MARGUERITE RISE, A.B., B.S. in L.S., Assistant Professor of Library Training; 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.
- ‡HORACE WILLIAM ROBINSON, M.A., Assistant Professor of Speech and Dramatic Arts.
B.A. (1931), Oklahoma City; M.A. (1932), Iowa. At Oregon since 1933.
- DANIEL GEORGE SAMUELS, Ph.D., Visiting Associate Professor of Romance Languages.
B.S.S. (1930), College of City of New York; M.A. (1931), Ph.D. (1940), Columbia. At Oregon since 1945.
- 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.
- CHARLES HAROLD SECOY, Ph.D., Assistant Professor of Chemistry.
B.S. (1929), College of Idaho; M.S. (1930), Ph.D. (1940), Washington. At Oregon since 1940.
- LAURENCE SELLING, M.D., Clinical Professor of Medicine, Professor of Neurology, Medical School; Head of Department of Medicine; Head of Division of Neurology.
B.A. (1904), Yale; M.D. (1908), Johns Hopkins. At Oregon since 1912.
- OTTILIE TURNBULL SEYBOLT, M.A., Associate Professor of Speech and Dramatic Arts.
A.B. (1910), Mount Holyoke; M.A. (1915), Wisconsin. At Oregon since 1928.
- 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.

* On leave of absence 1945-46.

† Resigned, Dec. 19, 1945.

‡ On sabbatical leave, spring term, 1945-46.

- FREDERICK LAFAYETTE SHINN, Ph.D., Professor Emeritus of Chemistry.
A.B. (1901), A.M. (1902), Indiana; Ph.D. (1906), Wisconsin. At Oregon since 1907.
- ADOLPH SIEGRIST, D.M.D., Instructor in Flute.
D.M.D. (1936), North Pacific College of Oregon. At Oregon since 1945.
- JUNE HAIG SIMONS, B.A., Instructor in English.
B.A. (1939), Oregon. At Oregon since 1945.
- FRANK PERRY SIPE, M.S., Associate Professor of Botany.
B.S. (Agr.) (1916), B.S. (Educ.) (1918), Missouri; M.S. (1923), Iowa State. At Oregon since 1932.
- 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.
- JESSIE MAY SMITH, M.A., Instructor in Business Administration.
B.S.S. (1934), Oregon State; M.A. (1946), Oregon. At Oregon since 1941.
- MAHLON ELLWOOD SMITH, Ph.D., Dean of Lower Division.
A.B. (1906), Syracuse; M.A. (1909), Ph.D. (1912), Harvard. Dean of Lower Division, State System, since 1932.
- SAVERINA GRAZIANO SMITH, M.F.A., Instructor in Art Education.
B.A. (1931), M.F.A. (1939), Oregon. At Oregon since 1939.
- WARREN DUPRE SMITH, Ph.D., Professor of Geology and Geography; Head of Department; Curator, Condon Museum of Geology.
B.S. (1902), Wisconsin; M.A. (1904), Stanford; Ph.D. (1908), Wisconsin. At Oregon 1914-20 and since 1922.
- 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.
- 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), L.L.B. (1915), J.D. (1925), Oregon. At Oregon 1915-17 and since 1919.
- LLOYD W. STAPLES, Ph.D., Assistant Professor of Geology.
A.B. (1929), Columbia; M.S. (1930), Michigan; Ph.D. (1935), Stanford. At Oregon since 1939.
- ERNEST E. STARR, D.M.D., Acting Dean of the Dental School; Professor of Oral Pathology.
D.M.D. (1907), B.S. (1929), North Pacific College of Oregon. At Dental School since 1907.
- *MERLE ARTHUR STARR, Ph.D., Instructor in Physics.
B.A. (1933), Reed; M.A. (1937), Ph.D. (1937), California. At Oregon since 1939.
- HOWARD CECIL STEARNS, M.D., 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., Assistant Professor of Wind Instruments; Director of University Band.
A.B. (1925), Grinnell; M.S. (1927), Iowa. At Oregon since 1929.

* On leave of absence 1945-46.

- 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.
- ARTHUR BENJAMIN STILLMAN, M.B.A., Professor of Business Administration.
B.A. (1928), Oregon; M.B.A. (1937), Washington. At Oregon since 1922.
- CLAUDE WILLIAM STIMSON, LL.B., Ph.D., Associate Professor of Law and Business Administration.
A.B. (1920), LL.B. (1944), Montana; A.M. (1923), California; Ph.D. (1932), Chicago. At Oregon since 1946.
- HENRY G. STOFFEL, D.D.S., Professor of Orthodontia; In charge of Orthodontia and Orthodontic Dental Clinic.
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 School. 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.
- JEAN SUTHERLAND, B.A., Instructor in Sculpture.
B.A. (1937), Oregon. At Oregon since 1943.
- KENNETH CARL SWAN, M.D., Professor of Ophthalmology, Medical School; Head of Division.
B.A. (1933), M.D. (1936), Oregon. At Oregon since 1944.
- HOWARD RICE TAYLOR, Ph.D., Associate Dean of Graduate Division; 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 of English and Advertising.
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.
- ‡RUTH MAY THOMPSON, B.B.A., Instructor in Business Administration.
B.B.A. (1937), Oregon. At Oregon 1937-45.
- HARRIET WATERBURY THOMSON, A.B., Professor of Physical Education.
A.B. (1904), Michigan. At Oregon since 1911.
- RUTH HUDSON THURSTON, M.S., Instructor in Home Economics.
B.S. (1931), M.S. (1945), Oregon State. At Oregon since 1945.
- LILLIAN E. TINGLE, Professor Emeritus of Home Economics.
At Oregon since 1917.

* On leave of absence 1945-46.

† On sabbatical leave, winter term, 1945-46.

‡ Resigned Dec. 19, 1945.

- HARVEY GATES TOWNSEND, Ph.D., Professor of Philosophy; Head of Department.
A.B. (1908), Nebraska Wesleyan; Ph.D. (1913), Cornell. At Oregon since 1926.
- *FREDERICK HOYT TROWBRIDGE, Ph.D., Associate Professor of English.
B.A. (1931), M.A. (1933), Ph.D. (1935), Wisconsin. At Oregon since 1940.
- GEORGE STANLEY TURNBULL, M.A., Professor of Journalism; Acting Dean of the School of Journalism; Acting Director of News Bureau.
A.B. (1915), M.A. (1932), Washington. At Oregon since 1917.
- †WILLIAM A. TUTT, JR., Staff Sergeant, D.E.M.L., Instructor in Military Science and Tactics.
At Oregon 1943-45.
- LEONA E. TYLER, Ph.D., Assistant Professor of Psychology; Director of Bureau of Personnel Research; Director of University Testing Bureau.
B.S. (1925), M.S. (1939), Ph.D. (1941), Minnesota. At Oregon since 1940.
- ‡AURORA POTTER UNDERWOOD, B.M., Associate Professor of Piano.
B.M. (1921), Oregon. At Oregon since 1922.
- ‡REX UNDERWOOD, Professor of Violin; Director of Orchestra.
At Oregon since 1919.
- 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.
- ANIBAL VARGAS-BARÓN, Ph.D., Assistant Professor of Romance Languages.
A.B. (1926), Asbury; M.A. (1929), Ph.D. (1943), Washington. At Oregon since 1940.
- LILYANN VEATCH, B.F.A., Instructor in Drawing and Painting.
B.A. (1940), Oregon; B.F.A. (1941), Art Institute of Chicago. At Oregon since 1946.
- ANDREW McDUFFIE VINCENT, Professor of Drawing and Painting.
Graduate (1927), Art Institute of Chicago. At Oregon since 1928.
- JAMES CLINTON VINCENT, M.A., Instructor in English.
B.A. (1939), M.A. (1941), Oregon. At Oregon since 1945.
- VERNON ABRAM VROOMAN, B.A., J.D., Visiting Professor of Law.
LL.B. (1911), LL.M. (1912), Albany Law School; B.A. (1921), Nevada; J.D. (1923), Stanford. At Oregon since 1945.
- *JOHN J. WAHL, Instructor in Physical Education.
At Oregon since 1942.
- *FRANKLIN DICKERSON WALKER, Ph.D., Professor of English.
B.A. (1924), Oxford; Ph.D. (1932), California. At Oregon since 1940.
- GERTRUDE BASS WARNER, M.A., Director, Museum of Art.
M.A. (1929), Oregon. At Oregon since 1921.
- ELIZABETH KNOWLES WARREN, Instructor in Home Economics.
At Oregon since 1945.
- JOHN ALBERT WARREN, B.B.A., Instructor in Physical Education; Freshman Coach; Acting Assistant Football Coach.
B.B.A. (1928), Oregon. At Oregon since 1935.

* On leave of absence 1945-46.

† Resigned Dec. 12, 1945.

‡ On sabbatical leave 1945-46.

- *WILLIS C. WARREN, M.A., Acting Librarian.
B.A. (1930), M.A. (1934), Oregon; Certificate in Librarianship (1935), California. At Oregon 1930-34 and 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.
- MARIAN PEARL WATTS, B.A., B.S. in L.S., Reference Librarian.
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.
- ADOLPH WEINZIRL, M.D., Professor of Public Health and Preventive Medicine, Medical School.
B.S. (1922), M.D. (1925), Oregon; C.P.H. (1932), M.P.H. (1939), Johns Hopkins. At Oregon since 1938.
- LOIS ROSAMOND WENTWORTH, M.S., Assistant 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.
- ALFRED FRANK WHITING, M.A., Acting Assistant Professor of Anthropology; Acting Assistant Curator of Anthropology.
B.S. (1933), Vermont; M.A. (1934), Michigan. At Oregon since 1944.
- GOLDA PARKER WICKHAM, B.S., Dean of Women.
B.S. (1931), Oregon. At Oregon since 1945.
- JACK WILKINSON, Instructor in Drawing and Painting.
Graduate (1937), California School of Fine Arts. At Oregon since 1941.
- WALTER ROSS BAUMES WILLCOX, Professor Emeritus of Architecture.
At Oregon since 1922.
- 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.
- STANLEY E. WILLIAMSON, M.A., Instructor in Education; Acting Principal, University High School.
B.A. (1931), Nebraska Wesleyan; M.A. (1936), Columbia. At Oregon since 1936.
- 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, M.A., Assistant Professor of Speech and Dramatic Arts.
B.S. (1935), Oregon State; M.A. (1938), Michigan. 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.
- *GORDON WRIGHT, Ph.D., Assistant Professor of History.
A.B. (1933), Whitman; M.A. (1935), Ph.D. (1939), Stanford. At Oregon since 1939.
- 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.
- *HAROLD WYATT, B.A., Assistant Director, Bureau of Municipal Research and Service.
B.A. (1938), Reed. At Oregon since 1940.
- WALTER WYKHUIS, D.D.S., Associate Professor of Prosthetic Dentistry; In charge of Prosthetic Dentistry and Prosthetic Dental Clinic.
A.B. (1932), Calvin; D.D.S. (1936), Chicago College of Dental Surgery. At Dental School since 1945.
- †HARRY BARCLAY YOCOM, Ph.D., Professor of Zoology; Curator, Invertebrate Collections; Associate Director, Institute of Marine Biology.
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.
- ‡NOWLAND BRITTIN ZANE, Associate Professor Emeritus of Space Arts.
At Oregon 1921-45.
- 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 HENRY ALDER, B.A., Research Assistant in Classics.
- §ANN TROWBRIDGE AMES, B.A., Graduate Assistant in English.
- SHIRLEY K. ANDERSON, B.A., Graduate Assistant in Mathematics.
- HENRY BEISTEL, B.B.A., Research Assistant, Bureau of Municipal Research and Service.
- ROBERT D. BICKETT, M.A., Teaching Fellow in History.
- MARIANNE BLENKINSOP, B.S., Associate in Education.
- MARY OLIVE BOWMAN, B.A., Graduate Assistant in Physical Education.
- §ROSAMUND FAYE BOWMAN, B.A., Graduate Assistant in Mathematics.
- DOROTHY ALICE BRUHN, B.S., Graduate Assistant in Economics.
- †JOYCE ABIGAIL CLARK, Graduate Assistant in History.
- SHIRLEY PAULINE COX, B.S., Graduate Assistant in Physical Education.
- EARLE WATT CURTIS, B.S., Graduate Assistant in Drawing and Painting.

* On leave of absence 1945-46.

† On sabbatical leave 1945-46.

‡ Deceased Nov. 18, 1945.

§ Resigned March 31, 1946.

¶ Resigned Dec. 31, 1945.

- MARY ELIZABETH DAVIS DOUGLAS, B.A., Graduate Assistant in Anthropology.
- MABEL DEVOS, Associate in Education.
- THEODORA NELSON EDWARDS, A.B., Graduate Assistant in Chemistry.
- DEAN WALTER FORBES, B.S., Graduate Assistant in Psychology.
- JEANNA CATHERINE GRAY, B.A., Graduate Assistant in Psychology.
- ARMIN HENRY GROPP, M.A., Research Assistant in Chemistry.
- DAVID S. HALBAKKEN, B.A., Graduate Assistant in History.
- JEAN HANNAY, B.A., Research Assistant, Bureau of Municipal Research and Service.
- FLORENCE LOUISE HUPPRICH, M.A., Graduate Assistant in Physical Education.
- JAN KOK, B.A., Graduate Assistant in Music.
- HELEN LETTOW, B.A., Associate in Education.
- JEANNETTE FREEZE LUND, B.A., Graduate Assistant in Mathematics.
- MABEL MCCLAIN, B.A., B.S., Research Associate in History.
- ELOISE MCCORD, B.A., Graduate Assistant in Mathematics.
- NANCY JANE MEYER, A.B., Graduate Assistant in Biology.
- F. STANLEY MINSHALL, M.S., Research Associate in Physics.
- THELMA CAROLINE NELSON, B.A., Graduate Assistant in English.
- LOUISE NIMMO, B.S., Associate in Education.
- HELEN OLNEY, M.A., Graduate Assistant in Mathematics.
- JOHN CARROLL O'NEILL, JR., B.S., Graduate Assistant in Psychology.
- CLYDE WILLIAM PARKER, B.A., Graduate Assistant in English.
- HELEN LOUISE POLLARD, B.A., Graduate Assistant in History.
- LANCASTER POLLARD, B.A., Research Associate in History.
- HELEN JEAN POULTON, M.A., Graduate Assistant in History.
- JOSEPH BURKE ROCHE, A.B., Graduate Assistant in English.
- GEORGE DEWEY SCHADE, JR., B.A. Graduate Assistant in Romance Languages.
- GERTRUDE SEARS, M.S., Associate in Education.
- GLORIA MAY SCHIEWE, Graduate Assistant in Biology.
- RUTH ELEANOR SOLBERG, B.S., Graduate Assistant in Sculpture.
- JOHN FORBES SPEER, B.A., Graduate Assistant in English.
- MARY EDITH THORNTON, B.S., Associate in Education.
- ANNE TYSON TORREY, B.A., Graduate Assistant in Social Science.
- LUCILLE TROWBRIDGE, B.A., Graduate Assistant in Chemistry.
- FREDERICK ORVILLE WALLER, B.A., Graduate Assistant in English.
- *DONNA LOIS WILSON, A.B., Research Assistant in Psychology.
- MILDRED WILLIAMS, M.A., Associate in Education.
- GORDON DUNCAN WIMPRESS, JR., Graduate Assistant in Journalism.

* Resigned Dec. 31, 1945.

Part II
General Information

Organization and Facilities

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 comprised the entire Oregon Country, and 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,

Part II

General Information

The University campus occupies about 100 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, Art and Architecture, and Student Health Service. On the south campus are newer buildings, including Administration Building or Johnson Hall, Condon Hall, Chapman Hall, the education group, the Music Building, the women's quadrangle, the Museum of Art, and the new University Library. East 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. The University buildings are located on rising ground, and are attractively planted with trees and shrubs. (For map of campus see p. 12.)

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 open-shelf reserve reading room and the map room. Studies for faculty members engaged in research, classrooms for library courses, and special-collection rooms are on the third floor. A large newspaper room, newspaper stacks, and special facilities for blind students are located in the basement. The reading rooms seat 800 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 facilities available to students were 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.

The Library now contains 367,196 volumes. 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 (687,604 volumes on January 1, 1946) 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 in 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 League of Nations documents (1,000 volumes); a collection of Balzaciana; unusually extensive and complete files of psychological journals.

The Burgess Collection of Rare Books and Manuscripts contains 1,000 volumes. The collection 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 Philip Brooks Memorial Library, a reference collection of 2,000 volumes, principally 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 of about 850 books. It 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 Library has a collection of about 800 books in Braille for the use of blind students.

The Municipal Reference Library, maintained by the Bureau of Municipal Research and Service in Fenton Hall, contains about 9,000 items, including pamphlets and other materials dealing with problems of local government.

The Law Library contains over 33,600 books. It includes gifts from the libraries of Lewis Russell, Judge Matthew P. Deady, Judge W. D. Fenton, Judge Robert Sharp Bean, and S. D. Allen. Judge Fenton's gift, the Kenneth Lucas Fenton Memorial Library, contains about 8,000 volumes. The Robert Sharp Bean Memorial Library contains about 1,000 volumes.

The Museum Library, about 5,500 books dealing with 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 Museum 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 High School Library contains about 5,900 volumes.

The University of Oregon Medical School Library in Portland contains 38,975 volumes and receives 500 current journals. The University of Oregon Dental School Library, also located in Portland, contains about 5,000 volumes. The holdings of these two libraries are not included in the total for the University Library, given above.

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 one month, 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 library work is offered through the Department of English, principally during the summer sessions. A few courses in library methods are, however, given during the regular school year. This instruction is suited especially to the interests and needs of those interested in school-library work.

A special major option in prelibrary training, for students who wish to prepare for work in a graduate library school, has been arranged by the Department of English.

The department also offers a one-hour service course in Use of the Library (Lib 117), which is taught by members of the Library staff.

Unified Facilities. The library facilities of the state institutions of higher education in Oregon are organized into a single unit under the supervision of a director, with a local librarian on each campus. The director is also librarian of the State College at Corvallis, where the central offices of the library system are located.

The collections at the several institutions are developed to meet special needs on each campus; but the book stock of the libraries, as property of the state, circulates freely to permit the fullest use of all books.

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
MAHEL KLOCKARS GARNER, B.A.	Cataloger
MARJORIE REYNOLDS	Assistant Curator
MARGARET MARKLEY, A.B., B.S. in L.S.	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 increase 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 used two centuries ago, porcelain, jewelry, 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 cloisone 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. Magazines on 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
A. F. WHITING, Ph.D.	Acting Assistant Curator of Anthropology
R. R. HUESTIS, Ph.D.	Curator of Vertebrate Collections
H. B. YOCOM, Ph.D.	Curator of Invertebrate Collections
W. D. SMITH, Ph.D.	Curator of Geology
LEROY DETLING, Ph.D.	Curator of Herbarium
J. F. KÜMMEL, M. A.	Technical Adviser; Associate Forester, U. S. Forest Service
STANLEY G. JEWETT	Technical Adviser; Divisional Waterfowl Biologist, U. S. Bureau of Biological Survey

* On leave of absence 1945-46.

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

Condon Museum of Geology. The Condon Museum of Geology consists of collections of rocks, minerals, and fossils. It grew out of the early collection made by Dr. Thomas Condon. The Condon Museum contains: 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 skeleton of the 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; specimens donated by Kirk Whitehead, Edmund P. Sheldon, and Martin W. Gorman; 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, and are thus protected from moisture, dust, and insects. 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; and a collection of Philippine war implements donated by Mrs. Creed C. Hammond. The museum was enriched in 1937 by the gift of a large collection of Indian baskets from Miss A. O. Walton of Seattle. The Mrs. D. P. Thompson Collection of fine Pacific Northwest and California baskets was presented to the museum in 1944 by Mrs. Genevieve Thompson Smith.

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 en-

riched 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. Members of the committee are: Howard R. Taylor, chairman; George N. Belknap, secretary; Ray P. Bowen, Charles G. Howard, R. R. Huestis, Edmund P. Kremer, Clarice Krieg, L. A. Wood.

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. A catalog of University research publications will be furnished on request.

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 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 state institutions of higher education.

Because of insufficient student living accommodations and crowded instructional facilities, it may not be possible, in the 1946-47 session, to admit all applicants who are formally eligible for admission. Under these conditions, it will be the policy of the University to give first preference to residents of the state of Oregon, and to restrict admission of nonresidents to students with superior school records.

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; and (2) complete records of all school work beyond the eighth grade.

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

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

Graduation from a standard high school, which in Oregon involves the completion of 16 units, 8 of which are required as follows: 3 units in English; 2 units in social science, comprising the state-adopted courses in United States history-civics and socio-economic problems; 1 unit in health and physical education; and 2 units selected from the 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 will be acceptable, but a minimum of 2 units in a single language will be 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. Applicants who are not residents of Oregon may be held for additional requirements demonstrating superior ability.

Admission with Advanced Standing

Advanced standing is granted to students transferring with acceptable records from accredited institutions of collegiate rank. The amount of 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 as Special Student

An applicant for admission as a special student should be not less than 21 years of age. Before admission, he must show, through documentary evidence filed with the Registrar and through personal interviews on the campus, that he has adequate qualifications for University work.

Two classes of special students are recognized: (1) those not qualified for admission as regular students but qualified by maturity and experience to work along special lines; and (2) those qualified for admission as regular students but not working toward a degree.

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. Credits earned by a special student will not subsequently be counted toward a degree until the student has completed at least two years of work (93 term hours) as a regular student. In case a regular student changes to special status, work done while classified as a special student will not count toward a degree.

Admission with Graduate Standing

Graduates of accredited colleges and universities are admitted to graduate classification by the dean of the Graduate Division and the University Registrar 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 admission to the Graduate Division and 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 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.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.*

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.M., M.A., M.S., M.M.*

Nursing Education, *B.A., B.S.*

Physical Education, *B.A., B.S., B.P.E., M.A., M.S.*

Work leading to the degree of *Master of Arts (General Studies)* is offered under the direction of the Graduate Division.

Lower-division work leading to certificates (*Junior Certificate, Junior Certificate with Honors Privileges, Lower-Division Certificate*) is offered in liberal arts and sciences, in the professional fields listed above (except Dentistry and Medicine), and in home economics. 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.

* 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.

(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 (Rht K).

(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 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 Requirements: A prescribed amount of work selected from three "groups" representing comprehensive fields of knowledge. The three groups are: language and literature, social sciences, science.† Courses that satisfy group requirements are numbered from 100 to 110 and 200 to 210. The group requirements are as follows:

(a) For students 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 students 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 require the scholastic average specified for the Junior Certificate, and does not admit to upper-division standing.

Certificates in Nursing Education. The University awards the following certificates to students who complete 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 Orthopaedic Nursing, Certificate in Obstetrical Nursing, Certificate in Ward Admin-

† For a classified list of courses satisfying the group requirements, see pages 84-86. To satisfy the science group requirement, a sequence must either include laboratory work or carry 12 hours of credit.

* 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. See booklet, **OPPORTUNITIES FOR VETERANS AT THE UNIVERSITY OF OREGON**, pages 10, 12.

istration, 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 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 term 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 57.

* 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, Classics, English, Germanic Languages and Literatures, Romance Languages.

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.

† Students who enter medical school after completing the wartime accelerated premedical program may count a maximum of 63 term hours of professional work in medicine toward a bachelor's degree. The last class eligible for the 63-hour maximum will enter medical school in the fall of 1946.

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. 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." 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 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 program need not extend beyond a single department or school.

Thesis and Examination. Honors studies culminate in an essay or thesis, and in an examination conducted by the department or school supervising the candidate's program. The examination must be passed and three copies of an accepted thesis must be submitted to the chairman of the Honors Council at least two weeks before Commencement. If these requirements, in addition to general University requirements for 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 on another page under GRADUATE DIVISION. 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 10-11.

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 State System of Higher Education are numbered as follows:

- 1-99. Courses in the first two years of foreign language, or other courses of similar grade.
- 100-110, 200-210. Survey or foundation courses that satisfy the lower-division group requirements in the language and literature, science, and social-science groups.
- 111-199, 211-299. Other courses offered at first-year and second-year level.
- 300-399. Upper-division courses not applicable for graduate credit.
- 400-499. Upper-division courses primarily for seniors. If approved by the Graduate Council, 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.

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

The following plan is followed in numbering summer-session courses:

- (1) A summer-session course that is essentially identical with a course offered during the regular year is given the same number.
- (2) A summer-session course that is similar to a course offered during the regular year, but differs in some significant respect, is given the same number followed by "s."
- (3) A course offered during the summer session which does not parallel any course offered during the regular year is given a distinctive number followed by "s."

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 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 blanks 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 (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 credit—including work for which credit is transferred, correspondence study, and work validated by special examination, but not including work in "no-grade" courses.

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 discretionary authority in the enforcement of rules governing probation, and also 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) Any student who receives a term grade-point average below 2.00 is automatically given warning of unsatisfactory scholarship. The Scholarship Committee will place a student

on probation whenever his record calls for a more emphatic warning that he may be in danger of disqualification. Probation can be cleared only by specific committee action.

(2) At the end of each academic year the committee reviews all unsatisfactory student records. A cumulative grade-point average below 1.75 establishes a probable case for disqualification, as does continued failure to achieve a 2.00 GPA, which is considered the minimum satisfactory grade-point average.

(3) A student who has been suspended or disqualified 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.

(4) 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 Dean of Men or the Dean of Women. 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 (not on probation), 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.
- (5) The rules of the Pacific Coast Intercollegiate Athletic Conference govern in all questions of athletic eligibility.

Fees and Deposits

STUDENTS at the University* and at the 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 use some of these privileges.

Regular Fees

Undergraduate Students. Undergraduate students enrolled in the University who are residents of Oregon pay regular fees each term of the regular academic year, as follows: tuition, \$10.00; laboratory and course fee, \$12.00; incidental fee, \$10.50; building fee, \$5.00. The total in regular fees, which includes all laboratory and other charges in connection with instruction†, is \$37.50 per term.

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

† 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**.

Undergraduate students who are not residents of Oregon pay the same fees as Oregon resident, and, in addition, a nonresident fee of \$50.00 per term, making a total of \$87.50 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.....	10.50	31.50
Building fee.....	5.00	15.00
Total for Oregon residents.....	\$ 37.50	\$112.50
Total for nonresidents (who pay an additional nonresident fee of \$50.00 per term).....	87.50	262.50

Graduate Students. All graduate students registered for seven term hours of work or more pay a fee of \$34.00 per term. Graduate students do not pay the nonresident fee. Graduate students registered for six hours of work or less pay the regular part-time fee. Payment of the graduate fee 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

Undergraduate 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 Feeper term, \$16.00 to \$31.00

Students (undergraduate or graduate) who register for 6 term hours of work or less pay, instead of regular registration fees, a part-time fee in accordance with the following scale: 1 term hour, \$16.00; 2 term hours, \$19.00; 3 term hours, \$22.00; 4 term hours, \$25.00; 5 term hours, \$28.00; 6 term hours, \$31.00. Students registered for 6 term hours or less do not pay the nonresident fee. Payment of the part-time fee entitles the student to all services maintained by the University for the benefit of students.

Staff Fee per term hour, \$3.00

On approval by the President's Office, full-time staff members registering for University courses pay a special staff fee of \$3.00 per term hour. Payment of this fee entitles staff members to instructional and library privileges only.

Auditor's Feeper 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.

* See note (†), page 58.

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 (see above) and auditors are not required to pay the late-registration fee.	
Change-of-Program Fee	\$1.00
The student pays this fee for each change in his official program after the scheduled last day for adding courses.	
Reinstatement Fee	\$2.00
If for any reason a student has his registration canceled during a term for failure to comply with the regulations of the institution, but is later allowed to continue his work, he must pay the reinstatement fee.	
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. This fee is not charged persons entering military service.	
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. When a student receives a certificate at the same time that he receives his degree, an additional fee of \$2.50 is charged for the certificate.	
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

Student Personnel Program

THE various agencies on the University campus concerned with student welfare and personnel are directed by, or coordinated under the leadership of, the Dean of Personnel Administration. Directly incorporated in the Personnel Division under the direction of Dean of Personnel Administration are: the Dean of Men's Office, the Dean of Women's Office, the Employment Service, and the Housing Service. Student welfare and guidance agencies functioning in the general personnel program include: academic advisers (especially freshman advisers), the University Health Service, the educational and other remedial clinics (methods of study, reading, speech, etc.), the placement facilities of the various schools, the Housing Committee, the Scholarship Committee, the Student Discipline Committee, the Committee on Religious and Spiritual Activities, the Student Affairs Committee, the Veterans Educational Service Committee, and the various committees on awards and prizes. An advisory council on general personnel problems and on vocational guidance aids in maintaining an effective student personnel service.

The Personnel Division supervises, encourages, and coordinates numerous student groups which provide opportunity for the development of character and personality, and for training in leadership. Among these are discussion and forum groups, religious and political groups, and student-activity groups of all kinds.

Academic Advisory Program. Each entering student is assigned to a member of an all-University group of freshman advisers. It is the duty of the adviser to assist the student in building an integrated program in line with his interests and with institutional and lower-division requirements. Sophomore, junior, and senior students are assisted by advisers from the faculties of their major schools and departments.

Veterans Advisory Program. Every effort is being made to adapt the educational resources of the University to meet the needs of veterans of World War II. A special Veterans Educational Service Committee of the faculty concerns itself with general problems of veteran education. Advice and assistance for individual veterans on academic, financial, and other personal problems are provided through the University Administrator of Veterans Affairs. This service supplements but does not take the place of the regular advising and counseling agencies of the institution and its schools and departments. Information of special interest to veterans is published in a separate booklet, *OPPORTUNITIES FOR VETERANS AT THE UNIVERSITY OF OREGON*. Copies of this booklet will be furnished on request.

Vocational Guidance Program. 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 the student 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. Reading lists and special book shelves at the Library are arranged to provide students with

occupational information. The Personnel Division also helps students in need of advice and assistance in regard to social adjustment, health, mental hygiene, finances, etc.

Bureau of Personnel Research. The Bureau of Personnel Research administers the scholastic aptitude tests given all entering students and compiles ratings of preparatory work and of University achievement. These data are used by advisers in assisting students with their educational, vocational, and personal problems. The bureau also conducts a testing and counseling service for individual students, which provides diagnosis of special aptitudes and interests at nominal cost. Research studies based on data compiled by the bureau aid the faculty and administration in the determination of institutional policies.

University Employment Service. The University Employment Service has two functions: (1) aid to students seeking part-time and vacation jobs (see page 66; and (2) aid to graduates and students seeking full-time professional placement.

In its effort to help persons trained at the University to find work for which they are qualified by personality and education, the Employment Service, in cooperation with University deans and department heads, develops and maintains contacts between the University and employers, particularly in Oregon and the Pacific Northwest. This placement work is conceived as a service both to employers and to students and graduates.

Freshman Week

FRESHMAN WEEK, a program of orientation for entering undergraduate students, is held annually before fall-term registration. During Freshman Week new students are made familiar with the aims of higher education, the principles governing the wise use of time and money, methods of study, and the ideals and traditions of the institution. By means of general assemblies, group lectures and discussions, individual conferences, and examinations and tests (see page 51), an effort is made to assist every new student in getting the best possible start in his 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 reliable information as 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 selections made during the "Rush Period" which immediately precedes Freshman Week.

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

It is desirable that students planning to enter the University in the fall have their high-school credentials sent to the University Registrar early in the summer, so that they may receive the WELCOME BOOK and other instructions well before the opening of the term.

Student Living

COMFORTABLE, healthful, and congenial living conditions contribute much to the success of University life and work. Living conditions of the right kind not only aid students to do their best in their studies, but also, through the experiences of group life, contribute 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 or boarding houses near the campus. In several cooperative houses, groups of students enjoy the benefits of group living while keeping expenses at a minimum.

The halls of residence provide comfortable, democratic living conditions, favorable to successful student work and to participation in the wholesome activities of campus life.

The University has obtained from the Federal government 131 war-housing units to provide quarters on or near the campus for married veterans.

Since there is a housing shortage in Eugene, it is not safe for a student to assume that he can find living accommodations after he arrives on the campus. All students should make housing arrangements in advance. Students intending to live in the dormitories should make room reservations as early as possible before the opening of the school year, by letter to the Director of Dormitories, enclosing the dormitory room deposit of \$5.00. *The University can assume no responsibility for holding space in its dormitories unless advance reservations are made.*

Men's Dormitories. Six halls of residence for men, units of the John Straub Memorial Building, are maintained: Alpha, Gamma, Sigma, Omega, Zeta, and Sherry Ross halls. The building accommodates 272 men. Each hall has its own club rooms and dining room.

Each room in the men's halls 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. Students must furnish only towels, a water glass, and an extra blanket. Trunk-storage space and laundry facilities are provided.

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. Each suite is planned for four occupants. 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, reading light, 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 stationary tubs, boilers, clothesline, ironing boards, and electric irons. Hendricks Hall has its own dining room; Susan Campbell girls have a dining room in the John Straub Memorial Building.

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

Dormitory Living Expenses. The charges for dormitory accommodations at the University are as follows: board and room, \$48.00 a calendar month; room only, \$15.00 a calendar month; board only, \$33.00 a calendar month. A few single rooms are available at \$22.50 a calendar month. Board and room payments must be made monthly in advance.

Students paying board or room charges after the date on which payment is due are assessed a late-payment fee of \$1.00 for the first day, 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 the date 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 charge will be decreased whenever decreased costs make this possible.

Students should not arrive at the halls of residence until the day the halls are officially open, usually one day before the opening date of the term.

Dormitory Room Deposit. A deposit of \$5.00 must be sent to the Director of Dormitories at the time of application for a room. The amount of the deposit will be deducted from the first room-rent installment.

If a student, after making the deposit, does not enter the University, the deposit will be refunded, provided the Director of Dormitories is notified at least one week before the opening date of the term. Rooms will not be held after the first day of registration.

Private Board and Room. Board and room can, in normal times, be obtained in private homes or boarding houses at rates from \$40.00 to \$50.00 a month. The rates for room without board vary between \$10.00 and \$30.00 a month, depending on accommodations and service. The average rate is about \$15.00 a month. The Housing Committee of the faculty exercises general supervision over all student living quarters, and endeavors to see that all students have comfortable rooms and wholesome living conditions. Students are allowed to live only in rooms approved by the committee. A list of approved rooms and other assistance may be secured from the Housing Secretary.

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, unless excused by the Housing Committee. Petitions to this committee are granted only on 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 getting their petitions approved, 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, unless they obtain permission from the Housing Committee to board elsewhere.

Students living in the dormitories may move to fraternity or sorority houses or to other quarters at the end of any term, if they obtain the permission of the Housing Committee not less than two weeks before the end of the 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	\$ 37.50	\$112.50
Deposit	5.00	5.00
Books, supplies, etc.	20.00	35.00
Board and room	125.00	375.00
Incidentals	25.00	75.00
Total	\$212.50	\$602.50

NOTE: This table does not include the matriculation fee of \$5.00 paid by undergraduate students registering for the first time.

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 expenses by work in the summers and during the academic year. Some students are entirely self-supporting. In some cases students devote an occasional term or two to regular employment, preferring to devote terms spent on the campus wholly to University work.

The work available during the academic year consists of such tasks as janitor work, housecleaning, typewriting, tutoring, service-station work, waiting on table and dish washing at living organizations, clerking, caring for children, restaurant work, odd jobs, etc.

Organized effort is made to help self-supporting students. The University Employment Service lists jobs and assists students in finding work. Applications for work should be filed in the office of the Employment Secretary.

Employment cannot be guaranteed to all who may desire it. The new student should have sufficient funds to cover the expenses of at least the first term. It is difficult to earn one's way while carrying a full program of studies; but many students with ability, determination, and good health are every year making their

own way, wholly or in part. Prospective students who have these qualities should not be discouraged merely because it is not easy. The attention of new students who intend to earn all or part of their living is called to the following facts:

(1) Work of any kind is much more readily obtained after the student has had an opportunity to familiarize himself with local conditions.

(2) No student should expect to obtain employment by correspondence. Students are advised, however, to send an application to the Employment Secretary as early as possible in the summer or during the preceding spring term.

(3) No student should come expecting to earn money unless he knows how to work and is willing to work. Only those students who do their work well can succeed in obtaining sufficient employment to meet their needs. Those who have skill in some field usually have greater opportunities and receive better pay.

(4) There is a constant oversupply of students wishing to do teaching and clerical and stenographic work. None but those having superior qualifications and experience are likely to obtain such employment.

(5) Students having connections that might lead to jobs in Eugene, through relatives, friends already in the University, previous employment (for example, jobs in chain stores or chain service stations with branches in Eugene), etc., should energetically follow up such "leads." Letters of recommendation from previous employers will be found useful.

(6) Students who can do any kind of domestic or manual labor well, and who have good health, can earn board for three hours of work a day or board and room for three and one-half hours of work a day.

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 new \$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 the floor. The staff of the hospital and clinic includes two physicians and eight 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. All entering undergraduate students are required to take a physical examination. 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 \$150,000. These funds are available for two types of loans, namely: 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 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 Dean of Men or the Dean of Women.

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 from the fund 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 from this fund are made through the Dean of Men's Office.

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.

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 Dean of Men's Office.

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. Applications for loans should be made to the Dean of Women.

Administration of Loan Funds

The loan funds held in trust by the University are governed by uniform principles and policies. 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 more than 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 6 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 time 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 6 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 8 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 committee members: (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.

Loan Procedure

All applications for student loans must be made through the Dean of Men's Office. Men students apply directly to the Dean of Men. Women students are

required to obtain the approval of the Dean of Women before making formal application at the Dean of Men's Office.

Loan funds are administered by the Student Loan Committee, composed of: the Dean of Men, chairman; the Dean of Personnel Administration; and the University Business Manager.

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. Further information concerning the fellowships and scholarships listed below may be obtained from the Dean of Men. Fellowships and scholarships offered to students at the University of Oregon Medical School are listed in the Medical School Catalog.

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 \$22.00 a term or \$66.00 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 secretary of the State Board of Higher Education or 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 \$72.00 a term or \$216.00 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 DIVISION.

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 Women Students Scholarships. The Associated Women Students of the University award scholarships of varying amounts 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.

Prince L. Campbell Scholarship. This scholarship, usually amounting to \$15.00 a month, is awarded to an upper-division woman student.

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.

Donald M. Erb Memorial Scholarship. An endowment for this scholarship is being established by the University of Oregon Dads. It is hoped that the first award can be made for 1946-47.

Gertrude Watson Holman Memorial Scholarships. Scholarship awards totaling \$125 are given annually to women students from the Gertrude Watson Holman Memorial Fund. The fund was established by the Gamma Phi Beta mothers and friends of the late Mrs. Rufus Holman.

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 Scholarship. Kwama, sophomore women's honor society, awards each year a \$35 scholarship to a woman student 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 pre-medical 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, provides each year a varying amount of money for the assistance of worthy women students.

Oregon Mothers Scholarships. The Oregon Mothers organization awards three scholarships annually to freshman students graduating from Oregon high schools: the \$200 Petronella G. Peets Scholarship and two \$150 scholarships. Additional scholarships of from \$50 to \$150 are awarded as funds are available. High-school students may apply for Oregon Mothers Scholarships during their senior year or the year following their graduation. Application should be made to the Dean of Personnel Administration not later than April 1.

Panhellenic Scholarships. Several scholarships of \$75 are awarded each year by the Panhellenic Council to deserving woman students.

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 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.

Arthur P. Pratt Scholarship. This \$475 scholarship is awarded annually 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. Two scholarships are awarded annually by Eugene chapter of Quota International: one to a freshman woman for University fees for the sophomore year, one to a sophomore woman for spring-term fees.

Rotana Scholarship. The Portland Rotana Club provides an annual award of \$25.00 to the most worthy junior woman major in business administration.

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.

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 given by friends of Mrs. Schwering.

T. Neil Taylor Scholarship in Editing. This award of \$100 is given annually for the best editorial investigation by a senior major in journalism. Funds for the award are provided by T. Neil Taylor of Oakland, California, University graduate in the Class of 1931.

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 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 that have been separately bound 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 \$25.00 to \$30.00, the interest on 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 Gardiner Prizes. These prizes are awarded each year by the Botsford, Constantine, and Gardiner Advertising Agency for the best solutions of an advertising problem submitted by students of advertising. First prize, \$40.00; second prize, \$25.00; third prize, \$10.00.

Julia Burgess Poetry Prize. The Julia Burgess Poetry Prize of \$25.00 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 \$25.00 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 those 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. A saber is awarded annually to a member of the graduating class who is judged to have made in the Department of Military Science and Tactics the most notable contribution, through his own achievements, deportment, and good example, toward the development of qualities of leadership. The names of recipients of the award are engraved on a permanent plaque displayed in the headquarters office of the department. The award is supported through a \$1,500 endowment, given to the University of Oregon by Chancellor and Mrs. Frederick M. Hunter, and is named in memory of their son, Captain Maurice Hunter, a 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, faculty adviser of the council, to the fraternity whose members have earned the highest grade-point average during the preceding year; and one, presented by Dean Karl W. Onthank, 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 \$15.00 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, B.A., '26, M.A., '35.

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 Company awards annually: a copy of Ballantine's *Law Dictionary* to the law student doing the best work in the course in Legal Bibliography; and 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.

Library Day Prizes. The University Library and the Association of Patrons and Friends of the University of Oregon Library awards 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 cash prizes totaling \$35.00 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 \$25.00, is made each year to the outstanding student in accounting.

Phi Beta Kappa Prize. This prize, consisting of books to the value of \$25.00, 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 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.

Pot and Quill Prize. A prize of \$5.00 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 cash prize of \$25.00 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.

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 \$25.00 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.

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.

Vice-Presidential Cups. Silver cups, the gift of Vice-President Burt Brown Barker, 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.

Associated Students. The students of the University are organized for self-government into the Associated Students of the University of Oregon. This organization sponsors such activities as intercollegiate athletics, student publications, forensics and dramatics, and concert and lecture series.

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 Board, composed of faculty, student, and alumni representatives, and by an athletic manager.

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. During their undergraduate days students in the different classes uphold various distinctive traditions. 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; Architecture Club; Bernard Daly Club (students holding Daly scholarships); Kwama (sophomore women); Newman Club (Catholic); Physical Education Club; Skull and Dagger (lower-division men); 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 scholarship, 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); Mortar Board (senior women); Mu Phi Epsilon (music, women); National Collegiate Players (dramatics); Order of the Coif (law); Phi Theta Upsilon (junior women); Theta Sigma Phi (journalism, women).

Professional and Departmental Societies. Student 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:

Asklepiads (premedics); Beta Alpha Psi (accounting, men); Delta Phi Alpha (German); Gamma Alpha Chi (advertising, women); Phi Beta (music and drama, women); Phi Chi Theta (business, women); Phi Delta Kappa (education, 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); Scabbard and Blade (military, men); Sigma Delta Chi (journalism, men); Sigma Delta Pi (Spanish); Sigma Delta Psi (physical education, men).

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 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.

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 the Religious and Spiritual Activities committees of the faculty, the Educational Activities Board of the Associated Students, 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 Division of Speech and Drama of the Department of English. Each season several full-length plays are given in connection with courses in drama. The division 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 Division of Speech and Drama, 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 regular broadcasts from the University studios of station KOAC.

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

The University Symphony Orchestra, an organization of about seventy student musicians, presents several concerts each year. In addition to its own concert series, the orchestra supports faculty and advanced student soloists, and cooperates with 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 to the campus each year for concerts, to which all students have free admission. Free public recitals by members of the faculty of the School of Music and by advanced music students are given in the Music Auditorium during the school year.

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). Tonqueds is an organization of women students, both sorority and independent, who live in Eugene. Phi Theta Upsilon and Philomelete promote fellowship and congenial activities among independent women students.

The students living in each of the University halls of residence have a self-governing organization and a social program.

Students living in the several cooperative houses take an active part in campus social life.

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, Phi Delta Theta, Phi Gamma Delta, Phi Kappa Psi, Phi Sigma Kappa, Phi Kappa Alpha, Sigma Alpha Epsilon, Sigma Alpha Mu, Sigma Chi, Sigma Nu, Sigma Phi 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. The volume is published in May during Junior Week End.

The **FACULTY AND STUDENT DIRECTORY** is compiled and published annually 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 publishes 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:

ERNEST HAYCOX, '23 President
 GEORGIA BENSON PATTERSON, '24 Vice-President
 DORIS HACK, '41 Acting Secretary-Treasurer

EXECUTIVE COMMITTEE

ERNEST HAYCOX, '21; GEORGIA BENSON PATTERSON, '24; DORIS HACK, '41; CHARLES H. HUGGINS, '22, immediate past president. Members-at-large, GORDON WILSON, '25; JOHN HOUSTON, '21; C. R. MANERUD, '22.

DIRECTORS

Term Ending Dec. 31, 1947	Term Ending Dec. 31, 1946	Term Ending Dec. 31, 1945
EDWIN DICK, '40	PAUL PATTERSON, '23	DOUGLAS MULLARKEY, '22
GEORGE MIMNAUGH, '27	JAMES T. DONALD, '15	DOUGLAS PARKER, '40
JOHN KITZMILLER, '31	PETER LAURS, '27	JOHN S. DAY, '35
PAUL W. KASEBERG, '37	GEORGE HUGGINS, '16	RAY HARLAN, '24
CHESTER O. KNOWLTON, '32	REMEY M. COX, '22	SIDNEY MILLIGAN, '38
SPRAGUE CARTER, '20	DR. H. C. STAPLES, '23	LAWRENCE HULL, '23
RAYMOND O. WILLIAMS, '14	THOMAS HARTFIELD, '34	RALPH CRONISE, '11
EUGENE MARSH, '22	GENEVIEVE DUNLOP, '34	EARL BLACKABY, '15
GEORGE STADELMAN, '30	ORVAL D. YOKOM, '27	
JOHN F. PUTNAM, '31		

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.

Part III

Resident Instruction

Lower Division

MAHLON ELLWOOD SMITH, Ph. D., Dean and Director of Lower Division, Oregon State System of Higher Education.

LENA CURRIER EMERSON, Secretary to the Dean.

FRESHMAN and sophomore work in the liberal arts and sciences is unspecialized. The work is offered through the Lower Division on a parallel basis at the University and the State College and leads to the Junior Certificate. Students completing the work of the Lower Division and fulfilling all requirements for the Junior Certificate may select a major in a specialized field at the close of the sophomore year.

For students who plan to complete work for the bachelor's degree, the two lower-division years provide broad general education and a foundation for specialization during the junior and senior years in some major field in the liberal arts and sciences or in a professional or technical curriculum. Lower-division students explore several fields of study with a view to determining special interests and aptitudes.

For students who complete no more than the first two years of college work, the Lower Division aims to afford a balanced cultural program and preparation for intelligent citizenship.

The State Board of Higher Education in establishing the Lower Division defined its primary purpose as follows :

- (1) Basic Education. Insuring to all students the elements of a sound general education during their first two years; delaying specialization until the junior and senior years and then encouraging it to a high degree.
- (2) Orientation. Providing students with a period of exploratory contact which will enable the institution to assist them to make a wise selection of specialization on the basis of their abilities and aptitudes.

Lower-Division Groups. For the purpose of adjusting the work to the two-fold objectives of basic education and orientation, lower-division work in the liberal arts and sciences has been arranged in three groups, each representing a comprehensive field of knowledge, as follows: LANGUAGE AND LITERATURE, SOCIAL SCIENCE, and SCIENCE (including the biological and physical sciences and mathematics).

Group Requirements. Students intending to major in the liberal arts and sciences must complete 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, or equivalent, in any one of the same three groups. Courses that satisfy group requirements are numbered from 100 to 110 and from 200 to 210. (For group requirements for students in the professional schools see page 53.)

Required Courses. Besides fulfilling group requirements, lower-division students must take required work in English Composition, Health Education, Physical Education, and Military Science and Tactics, as stated on page 53. Entering students are required to take certain aptitude and placement exam-

inations, and to make any adjustments indicated as a result of standings achieved in these tests.

Major Requirements and Electives. Students complete their study programs with courses required by major departments or with electives. Students who have decided on a major field take the courses prescribed by the major department. Students who are uncertain of their dominant interest or their vocational intentions, or who do not plan to pursue major specialization later, take a program of studies designed to aid them in self-exploration and individual development.

The general distribution of work for lower-division students is shown in the curriculum on page 86.

Freshman Advisers. Each entering student is assigned to a freshman adviser, whom the student consults in making out his study program. It is the duty of the adviser to assist the student in building an integrated program, in line with his interests and with institutional and lower-division requirements.

Certificates

STUDENTS who have met the group requirements, and have completed a total of at least 93 term hours of required and elective freshman and sophomore work, qualify for one of three certificates, depending on their objectives and attainments:

The Junior Certificate, which admits to upper-division standing and the opportunity to pursue a major curriculum leading to a degree. It requires a grade-point average of at least 2.00.

The Junior Certificate with Honor Privileges, which admits to the privilege of working for honors in the schools and departments providing honors work. To receive this certificate the student must have a grade-point average of at least 2.75, in addition to fulfilling all requirements for the Junior Certificate.

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

Group Courses

YEAR sequences applicable in meeting group requirements are listed below. These courses may also be taken as electives. Descriptions of the courses are printed under the several departmental headings in the COLLEGE OF LIBERAL ARTS section of this Catalog.

LANGUAGE AND LITERATURE GROUP

Classics

Lat 101, 102, 103. Latin Literature: Augustan Age. 3 hours each term.
Lat 201, 202, 203. Latin Literature: Silver Age. 3 hours each term.

English

Eng 101, 102, 103. Survey of English Literature. 3 hours each term.
Eng 104, 105, 106. Appreciation of Literature. 3 hours each term.
Eng 107, 108, 109. Introduction to Literature. 3 hours each term.
Eng 201, 202, 203. Shakespeare. 3 hours each term.

Germanic Languages

GL 201, 202, 203. German Literature. 3 hours each term.

Romance Languages

FRENCH
RL 201, 202, 203. French Literature. 3 hours each term.
RL 204, 205, 206. Seventeenth-Century French Literature. 3 hours each term.
SPANISH
RL 207, 208, 209. Spanish Literature. 3 hours each term.

SOCIAL SCIENCE GROUP

General Social Science

SSc 101, 102, 103. Background of Social Science. 3 hours each term.
SSc 104, 105. Background of Social Science. 5 hours each term.

Anthropology

Anth 101, 102, 103. General Anthropology. 3 hours each term.
Anth 207, 208, 209. Introduction to Cultural Anthropology. 3 hours each term.

Economics

Ec 201, 202, 203. Principles of Economics. 3 hours each term.
Ec 204, 205. Principles of Economics. 5 hours each term.

Geography

Geo 105, 106, 107. Introductory Geography. 3 hours each term.
Geo 108, 109, 110. Introductory Geography Laboratory. 1 hour each term.

History

Hst 104, 105, 106. History of Western Europe. 3 hours each term.
Hst 201, 202, 203. History of the United States. 3 hours each term.
Hst 204, 205, 206. World History. 3 hours each term.
Hst 207, 208, 209. English History. 3 hours each term.

Philosophy

Phi 201, 202, 203. Introduction to Philosophy. 3 hours each term.

Political Science

PS 201, 202, 203. American Governments. 3 hours each term.

Psychology

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

Religion

R 101, 102, 103. Religious Foundations of Western Civilization. 3 hours each term.

Sociology

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

SCIENCE GROUP

General Science

GS 101, 102, 103. Biological-Science Survey. 4 hours each term.
GS 104, 105, 106. Physical-Science Survey. 4 hours each term.

Biology

Bi 201, 202, 203. General Zoology. 4 hours each term.
Bi 204, 205, 206. General Botany. 4 hours each term.

Chemistry

Ch 101, 102, 103. Elementary Chemistry. 4 hours each term.
Ch 104, 105, 106. General Chemistry. 5 hours each term.
Ch 204, 205, 206. Analytical and Theoretical Chemistry. 5 hours each term.

Geology

*G 101, 102, 103. General Geology. 3 hours each term.
*G 104, 105, 106. General Geology Laboratory. 1 hour each term.
G 201, 202, 203. Introduction to Field Geology. 1 to 3 hours each term.

* Both G 101, 102, 103 and G 104, 105, 106 must be taken to satisfy the science group requirement.

Mathematics

- Mth 100. Intermediate Algebra. 4 hours.
 Mth 101, 102, 103. Elementary Analysis I, II, III. 4 hours each term.
 Mth 105. College Algebra. 4 hours.
 Mth 106. Plane Trigonometry. 4 hours.
 Mth 108. Mathematics of Finance. 4 hours.
 Mth 200. Analytical Geometry. 4 hours.
 Mth 201, 202, 203. Differential and Integral Calculus. 4 hours each term.

Physics

- *Ph 101, 102, 103. Essentials of Physics. 2 hours each term.
 *Ph 104, 105, 106. Essentials of Physics. Laboratory. 2 hours each term.
 Ph 201, 202, 203. General Physics. 4 or 5 hours each term.
 Ph 207. Elementary Meteorology. 3 hours.
 Ph 208, 209. Descriptive Astronomy. 3 hours each term.

Psychology

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

Lower-Division Curriculum

*Junior Certificate
 Junior Certificate with Honors Privileges
 Lower-Division Certificate*

Freshman Year

	Term hours		
	F	W	S
Year sequence in any one of the three groups.....	3-4	3-4	3-4
Year sequence in another of the three groups (may be deferred until sophomore year).....	3-4	3-4	3-4
English Composition (Rht 111, 112, 113).....	3	3	3
Military Science and Tactics (men).....	1	1	1
Health Education (women).....	1	1	1
Physical Education.....	1	1	1
Departmental or school requirements, or exploratory electives.....	4-2	4-2	4-2
	16	16	16

Sophomore Year

Sophomore year sequence in one of the groups begun in the freshman year	3-4	3-4	3-4
Year sequence in a third group	3-4	3-4	3-4
Military Science and Tactics (men).....	1	1	1
Physical Education.....	1	1	1
Departmental or school requirements, or exploratory electives.....	8-6	8-6	8-6
	16	16	16

* Both Ph 101, 102, 103 and Ph 104, 105, 106 must be taken to satisfy the science group requirement.

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

College of Liberal Arts

JAMES HENRY GILBERT, Ph.D., Dean of the College of Liberal Arts.

NELLIE E. FURNISH, 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 departments included in the college are: Anthropology, Biology (including botany and zoology), Chemistry, Classics, Economics, English, Geology and Geography, Germanic Languages and Literatures, History, Home Economics, Mathematics, Philosophy, Physics, Political Science, Psychology, Religion, Romance Languages, and Sociology. All the departments, except the departments of Home Economics and Religion, offer major curricula leading to baccalaureate and graduate degrees.

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.

Degrees. All the major departments of the College of Liberal Arts offer undergraduate work leading to the bachelor's degree and graduate work leading to the master's degree. At the present time, the following departments will accept candidates for the degree of Doctor of Philosophy: Chemistry, Economics, English, History, Mathematics, Psychology, Romance Languages, and Sociology.

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 numbered 100-110 and 200-210. The courses taken to satisfy this "group" requirement must include at least 9 term hours in each of the three fields of language and literature, social science, and science and at least 9 additional term hours in courses numbered 200-210 in any one of the three fields. (For a classified list of courses satisfying this requirement, see pages 84-86).

(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 page 54. 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 DIVISION.

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 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.

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. H. G. Townsend, head of the Department of Philosophy, 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.

A student intending to enter this curriculum should also take a least one unit of American history and government in his junior and senior years in high school; if he enters without having completed this work, he must elect University courses with comparable content.

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:

Cicero and Vergil (Lat 4, 5, 6)
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 (Lat 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 104, 105, 106)
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 Europe (Hst 104, 105, 106) 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, 203)
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 department.

* 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.

Anthropology

Primitive Thought (Anth 311), Primitive Art (Anth 312), Folklore and Mythology (Anth 313)
 Beg. & Develop. of Civilizations (Anth 314, 315, 316)
 Problems of Race & Culture (Anth 411, 412, 413)

Biology

Evolution (Bi 315), Elementary Genetics (Bi 316, 317), Elementary Genetics Lab. (Bi 318, 319)
 General Bacteriology (Bi 321, 322, 323)
 Morphology of Algae & Fungi (Bi 331), Morph. of Ferns & Mosses (Bi 332), Morph. of Seed Plants (Bi 333)
 Intro. to Gen. Physiology (Bi 491), Vertebrate Embryology (Bi 337)
 Protozoology (Bi 461), Invertebrate Zoology (Bi 462, 463)

Chemistry

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

Classics

Beginning Greek (Gr 311, 312, 313)
 Plato's Dialogues & Homer's Iliad (Gr 314, 315, 316)
 Greek Tragedy (Gr 317, 318, 319)
 Latin Literature (Lat 311, 312, 313)

Economics

History of Capitalism to 1750 (Ec 311), Industrial Revolution (Ec 312), Age of Corporations (Ec 313)
 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

American Prose (Eng 326), American Poetry (Eng 327), American Drama (Eng 328)
 English Novel (Eng 367, 368, 369)
 American Novel (Eng 391, 392, 393)
 19th Century Poets (Eng 394, 395, 396)
 18th Century Lit. (Eng 431, 432, 433)
 English Drama (Eng 434, 435, 436)
 17th Century Lit. (Eng 447, 448, 449)
 Lit. of Renaissance (Eng 457, 458, 459)
 19th Century Prose (Eng 481, 482, 483)
 Any three of the following: Chaucer (Eng 414), Wordsworth (Eng 420), Spenser (Eng 421), Dryden (Eng 430), Pope (Eng 450), Milton (Eng 451), Shelley (Eng 460)

Geology and Geography

General Geology (G 101, 102, 103) and Gen. Geology Lab. (G 104, 105, 106)
 Intro. to Palaeontology (G 381, 382, 383)
 Climatology (Geo 215), Physiography (Geo 316), Geography of Pacific (Geo 428)

Germanic Languages

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

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)
 Intellectual History (Hst 414, 415, 416)
 Middle Ages (Hst 421, 422, 423)
 Renaissance (Hst 431), Reformation (Hst 432), Age of Monarchy (Hst 433)
 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)
 Advanced College Algebra (Mth 314); or Theory of Equations (Mth 315), Projective Geometry (Mth 416); or Advanced Euclidean Geometry (Mth 415), Differential Equations (Mth 421); or Advanced Calculus (Mth 431)

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

British Govt. (PS 326), Comparative Govts.: Democracies (PS 327), Comparative Govts.: Dictatorships (PS 328)
 Hist. of European Pol. Theory (PS 431), Contemp. 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 (Soc 415), Penology (Soc 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.

This 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) Literature of the Modern World (Eng 264, 265, 266) (not required of students who have taken Eng 107, 108, 109).

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

(4) Two years of one foreign language.

(5) One of the following year sequences in history: World History (Hst 204, 205, 206); History of Western Europe (Hst 104, 105, 106); 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 Criticism (Eng 507) 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 whom a departmental science major may be too highly specialized.

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

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

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

Curriculum in General Social Science

The curriculum in general social science is designed for students who wish broad cultural training, and for prospective teachers for whom a departmental major may be too highly specialized. In addition to fulfilling the general University requirements, students following this program must take a minimum of 72 hours in 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 Pacific Basin Studies

The curriculum in Pacific Basin studies is planned as a liberal-arts program unified through a central interest in the life and problems of the geographical area known as the Pacific Basin. The curriculum includes courses selected from the offerings of the several schools and departments of the University, and is administered by an interdepartmental committee. Dr. Gordon Wright, assistant professor of history, is chairman of the committee. Students should consult Dr. Wright before registering for major work in Pacific Basin studies.

The following upper-division courses are required: Geography of Asia (Geo 431); Geography of the Pacific (Geo 428); Peoples of the Pacific Rim (Anth 423, 424, 425); History of Oriental Art (AA 366, 367, 368); Civilizations of China and Japan (Hst 394, 395, 396); Far East in Modern Times (Hst 391, 392, 393); History of China (Hst 494, 495, 496) or History of Japan (Hst 497, 498, 499); Economic Problems of the Pacific (Ec 445, 446, 447); Living Religions of the Orient (R 463).

The following courses are recommended: Japanese (AL 1, 2, 3, AL 4, 5, 6); Beginnings and Development of Civilizations (Anth 314, 315, 316); International Relations (PS 417); Civilizations and Art Epochs (AA 446, 447, 448); History of Social Thought (Soc 450, 451); American Foreign Relations (Hst 473, 474); History of the Pacific Northwest (Hst 477).

In addition to the undergraduate curriculum, work toward the Master of Arts or Master of Science degree is offered in the field of Pacific Basin studies. Programs of study will be planned in the light of the undergraduate preparation of individual students.

Premedical Curriculum

A premedical curriculum, including courses prescribed by the American Medical Association for entrance to standard medical schools, is offered at both the University of Oregon and Oregon State College. At each institution 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. At the University 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.

The medical-aptitude test of the Association of American Medical Colleges is given each year by the advisory committee 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.** Applicants for admission are required to have satisfactorily completed four years in an accredited high school, or its equivalent.

Recommended High-School Course. 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
Total prescribed credit.....	65

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

The work in organic chemistry must include the chemistry of both aliphatic and aromatic compounds. Biochemistry will not be accepted toward meeting the requirement. Students electing additional work are advised to take a course in elementary physical chemistry. At least 25 per cent of all chemistry 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, foreign language, mathematics, biology, embryology, general physiology, physics (especially elementary electronics), and elementary physical chemistry.

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 104, 105, 106).....	5	5	5
General Zoology (Bi 201, 202, 203).....	4	4	4
Mathematics (Mth 100, 105, 106).....	4	4	4
English Composition (Rht 111, 112, 113).....	3	3	3
Physical Education	1	1	1
Military Science	1	1	1

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Second Year

Analytical & Theoretical Chemistry (Ch 204).....	5	-	-
General Physics (Ph 201, 202, 203).....	4	4	4
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	-	5-6	5-6

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Third Year

Organic Chemistry (Ch 430, 431, 432).....	5	5	5
Vertebrate Embryology (Bi 337).....	4	-	-
French or German	4	4	4
Electives	4-5	8-9	8-9

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 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 standard dental schools. Both curricula satisfy the requirements established by the Council on Dental Education of the American Dental Association for admission to dental schools. Students completing the three-year curriculum may qualify for a bachelor's degree after one year of dental-school work.

TWO-YEAR CURRICULUM

The two-year curriculum satisfies the minimum predental requirements of the Council on Dental Education: "The minimum educational requirement for admission to a dental school is the successful completion of two years of study in a liberal arts college . . . The college course must include a year's work in English, in biology, in physics, and in inorganic chemistry and a half year's work in organic chemistry. The work in the sciences must include laboratory practice as well as didactic instruction."

First Year

	Term hours		
	F	W	S
General Chemistry (Ch 104, 105, 106).....	5	5	5
General Zoology (Z 201, 202, 253).....	4	4	4
Mathematics (Mth 100, 105, 106).....	4	4	4
English Composition (Rht 111, 112, 113).....	3	3	3
Physical Education	1	1	1
Military Science	1	1	1

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Second Year

Analytical Chemistry (Ch 220).....	4	-	-
Introductory Organic Chemistry (Ch 226, 227).....	-	4	4
General Physics (Ph 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	3-5

16-18 16-18 16-18

THREE-YEAR CURRICULUM

Students who plan to devote three years to predental education are advised to follow substantially the curriculum prescribed for premedical students (page 94).

On successful completion of this program and 48 term hours (32 semester hours) of dental-school work, the student may be awarded a bachelor's degree with a major in biology or general science. The suggested curriculum, followed by the standard first-year dental curriculum, satisfies all University requirements for the Bachelor of Science degree; by taking a second year of a foreign language before entering dental school, the student may satisfy all requirements for the Bachelor of Arts degree.

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

* Recommended electives: social science or literature; Lower-Division Sculpture (AA 293); Lower-Division Drawing (AA 291); Lower-Division Decorative Design (AA 295). A student intending to enter the predental curriculum should take at least one unit in American history and government during his junior and senior years in high school; if he enters without having completed this work, he must elect University courses with comparable content.

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.

	Term hours		
	F	W	S
First Year			
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, 112, 113).....	1	1	1
Physical Education	1	1	1
*Electives	4	4	4
	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 (FN 225).....	2	-	-
Physical Education	1	1	-
Electives	4	3	-
At the Medical School:			
Anatomy (An 311).....	-	-	4
Bacteriology (Bac 328)	-	-	5
Organic and Biochemistry (Ch 357)	-	-	5
Elementary Pharmacology (Phc 213)	-	-	2
Elementary Nursing Arts (Nur 210).....	-	-	1
	17	17	17

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, or fall within fields not at present represented in the departmental organization of the college. These courses are listed below under the headings: General Arts and Letters, General Science, and General Social Science.

GENERAL ARTS AND LETTERS

LOWER-DIVISION COURSES

AL 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. Noble.

* A student intending to enter the prenursing curriculum should take at least one unit in American history and government during her junior and senior years in high school; if she enters without having completed this work, she must elect University courses with comparable content.

AL 4, 5, 6. **Second-Year Japanese.** 4 hours each term.

Grammatical forms, language structure, and practice in reading. Noble.

AL 11, 12, 13. **First-Year Russian.** 4 hours each term.

An introduction to the Russian language. Friedl.

AL 14, 15, 16. **Second-Year Russian.** 4 hours each term.

Structure, forms, and syntax of the Russian language, with practice in reading. Friedl.

UPPER-DIVISION COURSES

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

Greek and Latin writers considered with special reference to their influence on English literature. Combella.

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

In English. Assigned readings covering the whole range of German literature. Lectures and discussions. Lussy.

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

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

AL 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.

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.

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; an attempt 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 AND GRADUATE COURSES

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

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 by consent of instructor. Onthank, personnel staff.

SSc 411. **Social-Science Synthesis for Teachers.** (G) 3 hours fall or winter.

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, personnel staff.

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 senior and graduate students.

Anthropology

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

ASSISTANT PROFESSORS: H. G. BARNETT*, A. F. WHITING.

ASSISTANT: MARY E. D. DOUGLASS.

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 problems 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, all majors must complete the sequence, Genetic Psychology (Psy 411), Adolescence, Maturity, and Senescence (Psy 412), Abnormal Psychology (Psy 413). Mth 325, 326 is

* On leave of absence 1945-46.

recommended for majors and is essential for completion of the work for the master's degree. Graduate students must also complete the sequence in 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.

DESCRIPTION OF COURSES

LOWER-DIVISION COURSES

Anth 101, 102, 103. **General Anthropology.** 3 hours each term.

Fall: man as a living organism; biological evolution; the human life cycle. Winter: evolution of man; human races, nature and problems. Spring: the development of culture; organization of culture; man, participant in and observer of culture. Cressman.

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

The meaning of culture; its significance for human beings; its diverse forms and degrees of elaboration among different groups of men; its processes of growth and expansion. Barnett.

UPPER-DIVISION COURSES

Anth 311. **Primitive Thought.** 3 hours fall.

Theories of "primitive mentality;" ideas about nature; magic and religion; knowledge in relation to discovery, invention, borrowing; preliterate methods of recording knowledge; primitive as opposed to scientific knowledge. Prerequisite: upper-division standing. Barnett.

Anth 312. **Primitive Art.** 3 hours winter.

Aesthetic appreciation among primitives. Survey of primitive art; industrial, decorative, and fine arts, architecture, music, and the dance. Contrast between "primitive," "popular," and "fine" arts. Primitive arts under modern conditions. Absorption of primitive arts into our own culture. Prerequisite: upper-division standing. Barnett.

Anth 313. **Folklore and Mythology.** 3 hours spring.

Survey of folklore and mythology; review of theories of origins; patterns and plots; their diffusion; the relation of folklore and mythology to thought processes; "inquiry" and "philosophy" among primitives. Prerequisite: upper-division standing. Barnett.

Anth 314, 315, 316. **Beginnings and Development of Civilizations.** 3 hours each term.

Beginnings of civilization; its growth in the Near East, Egypt, the Indus region, Europe, and Asia; diffusion to Oceania; beginnings in the New World. 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, with attention to contemporary Indian life where groups still survive. Prerequisite: upper-division standing. Barnett.

Anth 401. **Research.** Terms and hours to be arranged.

Anth 405. **Reading and Conference.** Terms and 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 or 4 hours each term.

Problems and methods of archaeology in America. The peopling of the New World; problems of Early Man; development of cultures. Optional laboratory, 2 hours. Prerequisite: upper-division standing. Cressman.

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

Life and custom among the native groups of the islands of the South Pacific; the peoples of the Far East, including China and Japan; the inhabitants of the Aleutian Islands and Alaska. 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. Whiting.

Anth 435. **Peoples and Cultures of Africa.** 3 hours fall.

The racial character and distribution of African stocks; cultures of the Bantu-speaking, the Sudanese, the West Coast, and the Southwest African populations; changes in native culture under European contact. Prerequisite: 9 hours in anthropology or equivalent; upper-division standing.

Anth 436. **Peoples and Cultures of Continental Asia.** 3 hours winter.

The racial character and distribution of the aboriginal peoples of Asia; cultures and interrelationships of the different areas; special emphasis on the native cultures of Asiatic Russia. Prerequisite: 9 hours in anthropology or equivalent; upper-division standing. Whiting.

Anth 441. **Language and Culture.** (G) 3 hours fall.

Language as an aspect of culture; form in language, dialect geography, historical reconstructions, language stocks, language as a means of communication, influence of linguistic patterns on thought. Prerequisite: 9 hours in anthropology or equivalent; upper-division standing. Whiting.

Anth 442. **Linguistic Analysis.** (G) 3 hours winter.

Techniques of recording the language of native speakers and of arriving inductively at the grammatical system of their languages. Prerequisite: 9 hours in anthropology or equivalent; Anth 441 or experience with a foreign language; upper-division standing. Whiting.

Anth 443. **Field Methods and Analysis.** (G) 3 hours spring.

Selection of informants, methods of interviewing, practice in recording languages, organization of field data and analysis of texts, use of test situations, collection of texts. Prerequisite: Anth 442 or equivalent. Whiting.

GRADUATE COURSES

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

Anth 501. **Research.** Terms and hours to be arranged.

Anth 503. **Thesis.** Terms and hours to be arranged.

Anth 505. **Reading and Conference.** Terms and hours to be arranged.

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

Biology

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

ASSOCIATE PROFESSOR: F. P. SIPE.

ASSISTANT PROFESSORS: C. W. CLANCY, L. E. DETLING, A. L. SODERWALL.

ASSISTANT: NANCY J. MEYER, GLORIA M. SCHIEWE.

THE courses offered by the Department of Biology are planned: (1) to provide a broad background in the fields of animal and plant biology; (2) to provide thorough training for students doing undergraduate major work and graduate work (through the master's degree) in the biological sciences, and for students planning to teach biology in the secondary schools; and (3) to provide the work in biology required for admission to schools of medicine, nursing, and dentistry.

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 for a major in biology: General Zoology (Bi 201, 202, 203), General Botany (Bi 204, 205, 206), Intermediate Algebra (Mth 100) or a satisfactory equivalent in high-school courses, and General Chemistry (Ch 104, 105, 106).

It is strongly recommended that biology majors take a course in organic chemistry, and that majors with a principal interest in experimental biology take courses in physics, and additional courses in mathematics and chemistry.

Students preparing themselves to become teachers of biological science in the high schools should complete the equivalent of a major in biology and should plan their upper-division programs to include adequate training in both botany and zoology.

Candidates for a master's degree with a major in biology will be expected to have met all undergraduate major requirements or their equivalent. Facilities are available for graduate work in: plant ecology, taxonomy, and morphology; vertebrate and invertebrate zoology, mammalogy, genetics, cytology, embryology, endocrinology, and general physiology.

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 the Pacific Northwest.

Institute of Marine Biology. The Oregon State System of Higher Education maintains an interinstitutional Institute of Marine Biology at Coos Head 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.

The Department of Biology recommends that students working toward an advanced degree in biology spend at least one summer at the Institute of Marine Biology or at another marine laboratory.

* On sabbatical leave 1945-46.

DESCRIPTION OF COURSES

LOWER-DIVISION COURSES

- Bi 111, 112, 113. **Human Biology.** 3 hours each term.
Introduction to human biology, designed especially for majors in physical education. Special consideration in the spring term to immunology and bacteriology. 2 lectures, 1 laboratory period. Soderwall.
- 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.
- 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, 312, 313. **Human Physiology.** 3 hours each term.
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 316, 317. **Elementary Genetics.** 2 hours, winter and spring.
Heredity and variation in plants and animals; similarities and differences among related organisms. 2 lectures. Huestis.
- Bi 318, 319. **Elementary Genetics Laboratory.** 1 hour, winter and spring.
1 three-hour laboratory period; must be taken concurrently with Bi 316, 317. Huestis.
- Bi 321, 322, 323. **General Bacteriology.** 3 hours each term.
2 lectures, 1 three-hour laboratory period. Prerequisite: Ch 104, 105, 106 and one year of biology. Soderwall.
- Bi 331. **Morphology of the 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: Bi 204, 205, 206. Sipe.
- Bi 332. **Morphology of the 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: Bi 204, 205, 206. Sipe.
- Bi 333. **Morphology of the Seed Plants.** 4 hours spring.
Comparative morphology of the seed plants, with special emphasis on the gymnosperms. 2 lectures, 2 three-hour laboratory periods. Prerequisite: Bi 204, 205, 206. Sipe.
- Bi 337. **Vertebrate Embryology.** 4 hours fall.
Early developmental stages of vertebrates. 2 lectures, 2 three-hour laboratory periods. Prerequisite: Bi 203 or equivalent. Huestis.

- Bi 381, 382. **Microtechnique and Histology.** 3 hours each term, fall and winter.
Laboratory experience in preparing animal tissues for microscopic study, with systematic study and description of histological structures. 1 lecture, 2 three-hour laboratory periods. Prerequisite: Bi 203. Risley.
- Bi 383. **Parasitology.** 3 hours winter.
Biological relationships of parasite and host, and the effect of such relationships on each. 2 lectures, 1 three-hour laboratory period. Prerequisite: Bi 201, 202, 203; consent of instructor. Yocom.
- Bi 401. **Research.** Terms and hours to be arranged.
- Bi 403. **Thesis.** Terms and hours to be arranged.
- Bi 405. **Reading and Conference.** Terms and hours to be arranged.
- Bi 407. **Seminar.** Terms and 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 413. **Plant Ecology.** 4 hours.
Plant life in relation to environment. 2 lectures, 2 three-hour laboratory periods. Prerequisite: Bi 206. 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: Bi 331, 332, 333. Detling.
- Bi 441, 442. **Comparative Vertebrate Anatomy.** (G) 3 hours, winter and spring.
The comparative anatomy of the vertebrate organ systems, with emphasis on their phylogenetic relationships. Prerequisite: Bi 203 and upper-division standing. Huestis.
- 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 and organic chemistry. Soderwall.
- 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. Yocom.
- Bi 462, 463. **Invertebrate Zoology.** (G) 4 hours each term, winter and spring.
Biology of the invertebrates with the exception of the protozoa. 2 lectures, 2 three-hour laboratory periods. Prerequisite: two years of biology. Should be preceded by Bi 461. Yocom.
- Bi 483. **Genetics.** (G) 4 hours spring.
Fundamentals of modern genetics, with laboratory practice in experimental breeding. Prerequisite: two years of biology and consent of instructor. Clancy, Huestis.
- Bi 485. **Embryology and Genetics.** (G) 4 hours spring.
Problems of development. Techniques of experimental morphogenesis and developmental genetics. 2 lectures, 2 three-hour laboratory periods. Prerequisite: Bi 316, 317; Bi 318, 319; Bi 337.

Bi 487. Cytology. (G) 3 hours spring.

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 337, Bi 381, 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 physico-chemical system; osmotic pressure; ion effects; contraction of muscle; conduction of the nerve impulse. Prerequisite: general zoology and chemistry. 3 lectures, 1 two-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. 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. Terms and hours to be arranged.**Bi 503. Thesis.** Terms and hours to be arranged.**Bi 505. Reading and Conference.** Terms and hours to be arranged.**Bi 507. Seminar.** Terms and hours to be arranged.

Chemistry

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

ASSOCIATE PROFESSOR: J. M. MCGEE.

ASSISTANT PROFESSORS: F. J. REITHEL, C. H. SECOY.

INSTRUCTOR: R. C. ANDREWS.

ASSISTANTS: THEODORA N. EDWARDS, A. H. GROPP, LUCILLE TROWBRIDGE.

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 104, 105, 106); 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); French or German.

Junior Year—Organic Chemistry (Ch 430, 431, 432); Quantitative Analysis (Ch 320); Analytical Geometry (Mth 200) and Differential and Integral Calculus (Mth 201, 202) or Differential and Integral Calculus (Mth 201, 202, Mth 313); French or German.

Senior Year—Physical Chemistry (Ch 440, 441, 442).

Majors must elect at least one additional advanced sequence in chemistry, such as Advanced Inorganic Chemistry (Ch 411, 412, 413) or Biochemistry (Ch 450, 451, 452). 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 93-94).

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

Graduate work is offered in physical, analytical, inorganic, and organic chemistry, leading to the M.A., M.S., or Ph.D. degree. 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 on the third floor of the Journalism Building, adjoining McClure.

DESCRIPTION OF COURSES

LOWER-DIVISION COURSES

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

Similar to Ch 104, 105, 106 but less rigorous. Does not serve as a foundation for advanced courses in chemistry. Concurrent work in mathematics recommended. 3 lectures; 1 recitation; 1 three-hour laboratory. Secoy, Andrews.

Ch 104, 105, 106. General Chemistry. 5 hours each term.

Standard first-year college chemistry. Third term devoted largely to qualitative analysis. Prerequisite: adequate background in mathematics. 3 lectures; 2 three-hour laboratory periods including 1 hour recitation. Kunz, Reithel, Andrews.

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

Ch 220. Analytical Chemistry. 4 hours.

Lectures on the fundamentals of qualitative and quantitative analysis. Laboratory work devoted mainly to quantitative analysis. Prerequisite: Ch 106. 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. Reithel.
- Ch 231. **Qualitative Analysis.** 4 hours spring
Classification, separation, and identification of the common ions and cations. Prerequisites: Ch 205 or equivalent. 1 lecture; 3 three-hour laboratory periods. Kunz.

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. Kunz.
- Ch 340. **Elementary Physical Chemistry.** 4 hours spring.
Fundamental principles of physical chemistry, with emphasis on their applications to medicine. Prerequisite: Ch 220. Not open to students who have had Ch 204, 205, 206. 3 lectures; 1 three-hour laboratory period. Van Rysselberghe, McGee.
- Ch 401. **Research.** Terms and hours to be arranged.
For advanced undergraduates. An introduction to the methods of chemical investigation.
- Ch 403. **Thesis.** Terms and 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.** Terms and 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. Van Rysselberghe.
- 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. McGee, Secoy.
- Ch 440, 441, 442. **Physical Chemistry.** (g) 4 hours each term.
Comprehensive study of the theoretical aspects of physico-chemical 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.

GRADUATE COURSES

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

- Ch 501. **Research.** Terms and hours to be arranged.
- Ch 503. **Thesis.** Terms and hours to be arranged.
- Ch 505. **Reading and Conference.** Terms and hours to be arranged.
- Ch 507. **Seminar.** Terms and hours to be arranged.
- Ch 520, 521, 522. **Advanced Analytical Chemistry.** 2 or 3 hours each term.
Special topics in analytical chemistry, such as micro-analysis, electrometric

- titration, conductimetric analysis, spectroscopic analysis, etc. 1 lecture, 1 or 2 laboratory periods. Kunz.
- Ch 530, 531, 532. **Advanced Organic Chemistry.** 2 or 3 hours each term.
Selected topics in theoretical organic chemistry such as: resonance, isomerism, molecular rearrangements, free radicals, etc.; organic preparations; qualitative organic analysis. Secoy.
- 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. Van Rysselberghe.
- Ch 550, 551, 552. **Chemical Thermodynamics.** 3 hours each term.
The laws of thermodynamics, and their application to physical-chemical problems, with special emphasis on free energies, chemical potentials, and statistical partition functions. Van Rysselberghe.

Classics

ASSISTANT PROFESSORS: EDNA LANDROS (department head), F. M. COMBELLACK.
ASSISTANT: G. H. ALDER.

THE Department of Classics offers major curricula in Greek and Latin leading to the Bachelor of Arts degree, and graduate work in these fields leading to the degree of Master of Arts. Students who expect to acquire a knowledge of Greek literature should begin the study of the language in their freshman year. It is strongly urged that intending Latin majors come with two units of high-school Latin. For nonmajor students who have had no Latin, the department offers a beginning service course, Lat 1, 2, 3.

Candidates for a bachelor's degree with a major in Greek are required to take 30 term hours in upper-division courses in Greek, History of Greece (Hst 411), and History of Rome (Hst 412, 413).

Candidates for a bachelor's degree with a major in Latin are required to take 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).

GREEK

LOWER-DIVISION COURSES

- Gr 1, 2, 3. **Beginning Greek.** 4 hours each term.
Gleason, *Greek Primer*; Xenophon's *Anabasis*. Landros.
- Gr 231, 232, 233. **Introduction to New Testament Greek.** 2 hours each term.
Gospel According to St. John and *Acts*. Prerequisite: Gr 1, 2, 3 or Gr 311, 312, 313, or equivalent. Combellack.

UPPER-DIVISION COURSES

- Gr 305. **Reading and Conference.** Terms and hours to be arranged.
Reading, arranged for the individual student.
- AL 311, 312, 313. **Literature of the Ancient World.** 3 hours each term.
For description, see page 97. Combellack.

- Gr 311, 312, 313. **Beginning Greek.** 4 hours each term.
Covers the material of Gr 1, 2, 3, with additional special reading in the field of Greek literature and history. Landros.
- Gr 314, 315, 316. **Plato's Dialogues and Homer's Iliad.** 4 hours each term.
Combella.
- Gr 317, 318, 319. **Greek Tragedy.** 3 hours each term.
Selected plays of Aeschylus, Sophocles, and Euripides; survey of the history of the Greek drama. Combella.
- Gr 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*. Combella.
- Gr 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. Combella.
- Gr 331, 332, 333. **Advanced New Testament Greek.** 1 or 2 hours each term.
Corinthians I and II, *Ephesians*, *Philemon*, *Romans*, *Thessalonians* I and II. Prerequisite: Gr 231, 232, 233 or Gr 314, 315, 316, or equivalent.
- Gr 351, 352, 353. **Greek Prose Composition.** 1 hour each term.
Combella.
- Gr 405. **Reading and Conference.** Terms and hours to be arranged.
- Gr 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. Combella.
- Gr 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. Landros.

GRADUATE COURSES

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

- Gr 503. **Thesis.** Terms and hours to be arranged.
- Gr 505. **Reading and Conference.** Terms and hours to be arranged.
- Gr 511, 512, 513. **Greek Literature.** Terms and hours to be arranged.
Graduate students choose what they wish to read from a list of selected authors. The historical context of the works read is emphasized. Combella.

LATIN

LOWER-DIVISION COURSES

- Lat 1, 2, 3. **First-Year Latin and Caesar.** 4 hours each term.
The sequence begins with the Latin fundamentals and closes with the reading of three books of Caesar's *Gallia*. Landros.
- Lat 4, 5, 6. **Cicero and Vergil.** 4 hours each term.
For students who have had two years of Latin in high school, or three years without Cicero or Vergil. Landros.

- Lat 7, 8. **Beginning Latin and Caesar.** 6 hours each term, winter and spring.
A two-term sequence covering the work of Lat 1, 2, 3. Landros.
- Lat 101, 102, 103. **Latin Literature: Augustan Age.** 3 hours each term.
Horace, selected *Odes* and *Epodes*; Vergil, *Eclogues*; Livy, Books I and II. Combella.
- Lat 201, 202, 203. **Latin Literature: Silver Age.** 3 hours each term.
Tacitus, *Agricola* and *Germania*; Pliny, selected *Letters*; Martial, selected *Epigrams*; Suetonius, selected *Lives*. Combella, Landros.
- Lat 311, 312, 313. **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 Lat 201, 202, 203. Combella, Landros.
- Lat 314, 315, 316. **Ovid: The Metamorphoses.** 2 hours each term.
Landros.
- Lat 330. **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.
- Lat 405. **Reading and Conference.** Terms and hours to be arranged.
- Lat 407. **Seminar.** Terms and hours to be arranged.
- Lat 461, 462, 463. **Latin Literature: Historians.** (G) 3 hours each term.
Livy, Tacitus, and others. Combella.

GRADUATE COURSES

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

- Lat 503. **Thesis.** Terms and hours to be arranged.
- Lat 505. **Reading and Conference.** Terms and hours to be arranged.
- Lat 507. **Seminar.** Terms and hours to be arranged.
- Lat 511, 512, 513. **Readings in Mediaeval Latin.** Hours to be arranged.
Landros.
- Lat 514, 515, 516. **History of Latin Literature.** Hours to be arranged.
Landros.
- Lat 526, 527, 528. **Historical Latin Grammar.** Hours to be arranged.
Landros.

Economics

- PROFESSORS: J. H. GILBERT (department head), CALVIN CRUMBAKER, E. G. DANIEL, V. P. MORRIS, L. A. WOOD.
- ASSOCIATE PROFESSOR: D. R. FRENCH*.
- INSTRUCTOR: A. A. ALCHIAN†.
- ASSISTANT: DOROTHY A. BRUHN.

* Resigned Dec. 31, 1945.

† On leave of absence 1945-46.

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.

Principles of Economics (Ec 201, 202, 203) is required of all majors in economics, and is prerequisite to all upper-division work. Students intending to major in economics should take a year's work in college mathematics as a basis for courses in statistics.

During the junior year all majors must take a year sequence in some well-defined field such as: History of Capitalism to 1750, The Industrial Revolution, The Age of the Corporation (Ec 311, 312, 313); Economic Problems of State Regulation, Economic Problems of Federal Regulation, Government Control of Private Business (Ec 435, 437, 438); Economics of Business Organization and Finance, Economics of Public Utilities, Economics of Transportation (Ec 334, 335, 337); International Trade, International Economic Policies (Ec 440, 441, 442); Economic Problems of the Pacific (Ec 445, 446, 447).

During the senior year the student must take Money, Banking, and Economic Crises, followed by Public Finance (Ec 413, 418, 419); or the sequence in Labor Problems, Organized Labor, and Labor Legislation (Ec 425, 426, 427). All seniors must take History of Economic Thought (Ec 470, 471, 472) and Economic Theory and Problems (Ec 475, 476, 477).

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 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 327); 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, Banking, and Economic Crises (Ec 413); Public Finance (Ec 418, 419); History of Economic Thought (Ec 470, 471, 472); Economic Theory and Problems (Ec 475, 476, 477).

DESCRIPTION OF COURSES

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. Crumbaker, Daniel, Morris.

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.

UPPER-DIVISION COURSES

Ec 311. History of Capitalism to 1750. 3 hours fall.

Development of economic institutions in Europe and colonial America to about 1750. Organization of agriculture, industry, commerce, and finance.

Ec. 312. Industrial Revolution. 3 hours winter.

Continuation of Ec 311, covering the period 1750-1850 in Europe and America. Long-range social and economic effects of industrial changes of the period.

Ec 313. Age of the Corporation. 3 hours spring.

Use of the corporation as a device for carrying "capitalism" to its present heights. Some emphasis on social and economic importance of "Big Business" in America.

Ec 334. Economics of Business Organization and Finance. 4 hours fall.

Students may offer Elements of Finance (BA 222) as a substitute to satisfy major requirement. Not offered 1946-47. Crumbaker.

Ec 335. Economics of Public Utilities. 4 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 337. Economics of Transportation. 4 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 338. Economic Problems of Government Ownership. 4 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. Terms and hours to be arranged.

Ec 413. Money, Banking, and Economic Crises. (G) 5 hours fall.

Money, laws controlling its value, methods for measuring price levels, and devices for stabilizing purchasing power; principles of sound banking and use of credit; history and causes of and remedies for crises and panics. Gilbert.

Ec 418, 419. Public Finance. (G) 4 hours each term, winter and spring.

Sound principles affecting public expenditure, raising of revenue, budgetary legislation, financial organization, and use of public credit. Special consideration of Oregon problems. Gilbert.

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 435. **Economic Problems of State Regulation.** (G) 3 hours fall.
Regulation of intrastate services; merits of state control and home rule; regulation of publicly owned utilities; regulation of holding companies. Prerequisite: Ec 334, 335, 337, or 338; or consent of instructor. Crumbaker.
- Ec 437. **Economic Problems of Federal Regulation.** (G) 3 hours winter.
Regulation of interstate common carriers and public utilities through Federal boards and commissions. Prerequisite: Ec 334, 335, 337, or 338; or consent of instructor. Crumbaker.
- Ec 438. **Government Control of Private Business.** (G) 4 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, 335, 337, or 338; 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.
- 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.
- 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. Not offered 1946-47. 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 454, 455. **Conservation of Natural Resources.** (G) 3 hours each term.
Inventory of natural resources in water, soil, timber, and mineral wealth; practices leading to wasteful and extravagant use; public policy calculated to prevent waste, promote restoration, and encourage conservation. Daniel.
- 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 and 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. Required for senior majors. Prerequisite: Ec 201, 202, 203. Daniel.
- 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 term, 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 327; Ec 480, 481.

GRADUATE COURSES

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

- Ec 501. **Research.** Terms and hours to be arranged.
- Ec 503. **Thesis.** Terms and hours to be arranged.
- Ec 507. **Seminar.** Terms and hours to be arranged.

English

Language and Literature

- PROFESSORS: P. W. SOUERS (department head), C. V. BOYER (emeritus), R. H. ERNST, R. D. HORN, E. C. A. LESCH, E. G. MOLL, MARY H. PERKINS, W. F. G. THACHER†, F. D. WALKER*.
- ASSOCIATE PROFESSORS: F. G. BLACK, ALICE H. ERNST, F. H. TROWBRIDGE*.
- ASSISTANT PROFESSORS: H. C. FRANCHÈRE, B. E. JESSUP, J. C. MCCLOSKEY.
- INSTRUCTORS: V. S. ALBERTSON, ELSIE M. BAILEY, KATE BUCHANAN, ROSE COMBELLACK, RUTH M. FRANCHÈRE, FLORENCE GOULD‡, E. D. KITTOE, MILDRED P. MACKINNON, R. V. MILLS, F. D. MOORE, T. F. MUNDLE, JUNE H. SIMONS, HELEN L. SOEHRN, J. C. VINCENT.
- ASSISTANTS: ANN T. AMES‡, THELMA C. NELSON, C. W. PARKER, J. B. ROCHE, J. F. SPEER, F. O. WALLER.

Speech and Drama

- ASSOCIATE PROFESSORS: W. A. DAHLBERG (director of division), OTTILIE T. SEYBOLT.
- ASSISTANT PROFESSORS: R. D. CLARK, R. B. HUBER*, K. E. MONTGOMERY, H. W. ROBINSON§, K. S. WOOD.
- INSTRUCTOR: W. A. KRENK.

Library Training

- ASSISTANT PROFESSOR: BERNICE M. RISE.
- INSTRUCTORS: MARJORIE F. CHESTER, ELIZABETH FINDLY.

* On leave of absence 1945-46.

† On sabbatical leave, winter term, 1945-46.

‡ Resigned March 31, 1946.

§ On sabbatical leave, spring term, 1945-46.

THE Department of English offers instruction in literature, rhetoric, speech and drama, and library training. Major options are offered in English literature, American literature, speech and drama, and prelibrary. The lower-division courses in English are intended to supply the training in writing necessary for every educated man, to afford a cultural background for those students who can take only two years of work in the field, and to present the necessary foundation for major work in English.

Major Requirements. The general major requirements for a bachelor's degree in English are as follows:

(1) Greek, Latin, French, Spanish, or German during both the freshman and sophomore years (two successive years in one of the five languages).

(2) English History, (Hst 207, 208, 209), History of Western Europe (Hst 104, 105, 106), or World History (Hst 204, 205, 206); 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); and Shakespeare (Eng 201, 202, 203).

(4) Upper-division courses in literature*, as follows:

English Literature Option. Three upper-division year sequences in English literature, each totaling at least 9 term hours. One of the three should be either English Novel (Eng 367, 368, 369) or English Drama (Eng 434, 435, 436), and one a period course in the 400 group or a sequence of individual authors in the 400 group. No two of the three should fall primarily in the same literary period.

American Literature Option. Two upper-division year sequences in English literature (each totaling at least 9 term hours), one either a period course in the 400 group or a sequence of individual authors in the 400 group; and a minimum of 18 term hours of upper-division courses in American literature.

Options in Speech and Drama. Two upper-division year sequences in English literature, each totaling 9 term hours, including either English Novel (Eng 367, 368, 369) or English Drama (Eng 443, 435, 436). Students electing the speech, radio, or speech-correction option may substitute History and Literature of Oratory (SD 492, 493, 494) for one of the two required sequences in English literature.

Prelibrary Option. Two upper-division year sequences in English literature, each totaling 9 term hours; one must be a type course, the other a period course.

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.)

LITERATURE

The study of English literature as arranged by the department begins with an introduction to the general field. This is followed by: a more detailed study of periods; a careful analysis of the chief literary forms such as the novel, drama, and poetry; and a more intensive study of the major authors. Because of the great value of philosophy and history for the understanding of literature, majors in

* Eng. 361, 362, 363 may not be taken to satisfy the minimum requirements under (4).

English literature are advised to elect upper-division courses in these fields during the junior and senior years.

The option in American literature is planned to give the student a basic knowledge of English literature and, in addition, to provide a detailed and systematic study of American letters, together with their relations to social history and national culture. The sophomore survey of American literature (Eng 261, 262, 263), required of majors in American literature, is followed by specialized courses in literary forms, such as the novel, poetry, and drama, and by studies in significant cultural movements. Students are advised to elect courses in philosophy and American history during their junior and senior years.

For general requirements for a major in English see page 114.

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 time. Black, H. C. Franchère, Horn, Jessup, Lesch, McCloskey, Mills, Mundle, Perkins.

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

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

*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.

Eng 162. **English Poetry (Oral).** 3 hours any term.

Fundamentals of prosody; interpretation of poetry and practice in reading aloud. Not offered 1946-47. H. C. Franchère.

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

Study of the important plays, comedies, histories, and tragedies, in the light of Shakespeare's development. Required for majors. Black, Jessup, Lesch, McCloskey, Moll, Souers.

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.

Eng 264, 265, 266. **Literature of the Modern World.** 2 hours each term.

The renaissance in Italy, France, Spain, and England; Pascal and puritanism in England; French and English classicism; the romantic revolt; Victorian literature; Ibsen and the modern drama. R. Ernst.

UPPER-DIVISION COURSES

Eng 305. **Reading and Conference.** Terms and hours to be arranged.

Eng 326. **American Prose.** 3 hours fall.

A representative selection of prose writers of the nineteenth and twentieth centuries. H. C. Franchère.

Eng 327. **American Poetry.** 3 hours winter.

The chief American poets of the nineteenth and twentieth centuries. H. C. Franchère.

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

- Eng 328. **American Drama.** 3 hours spring.
A study of major American dramatists. H. C. Franchère, Mills.
- 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. Not offered 1946-47. Mills, Walker.
- Eng 361, 362, 363. **Twentieth-Century Literature.** 3 hours each term.
British and American literature since 1900, with emphasis on changing ideas: literary, social, and philosophical. Will not be accepted as period course to satisfy the minimum requirements for a major in English. H. C. Franchère.
- Eng 367, 368, 369. **English Novel.** 3 hours each term.
From Richardson and Fielding to the present. Boyer.
- Eng 380. **Browning.** 3 hours fall.
Representative readings in the main divisions of Browning's work. Moll.
- Eng 391, 392, 393. **American Novel.** 3 hours each term.
Development of the American novel from its beginnings to the present. Not offered 1946-47. McCloskey.
- Eng 394, 395, 396. **Nineteenth-Century Poets.** 3 hours each term.
A study in successive terms of romantic, Victorian, and contemporary poets. Moll.
- Eng 403. **Thesis for Honors Candidates.** Terms and hours to be arranged.
- Eng 405. **Reading and Conference.** Terms and hours to be arranged.
- Eng 407. **Seminar in Special Authors.** (G) Terms and hours to be arranged.
- Eng 411, 412, 413. **Anglo-Saxon.** (G) 3 hours each term.
Grammar and translation of selected passages. *Beowulf*, *Judith*. Perkins, Souers.
- Eng 414. **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 course for graduate students in English. Perkins, Souers.
- Eng 415. **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. Not offered 1946-47. Perkins.
- Eng 416. **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. Perkins.
- Eng 417, 418, 419. **Development of the English Language.** (G) 3 hours each term.
The English language from Old English through Middle English to the present day. Vocabulary, inflections, syntax, and phonetics. Not offered 1946-47. Perkins, Mundle.
- Eng 420. **Wordsworth.** (G) 3 hours winter.
Moll.
- Eng 421. **Spenser.** (G) 3 hours winter.
Lesch.
- Eng 430. **Dryden.** (G) 3 hours winter.
Dryden's major works as poet, critic, and dramatist. Trowbridge.

- Eng 431, 432, 433. **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. Not offered 1946-47. Horn.
- Eng 434, 435, 436. **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 440. **Advanced Shakespeare.** (G) 3 hours fall.
Intensive study of several plays, with primary emphasis on textual problems and sources. Prerequisite: one-year sequence in Shakespeare. Not offered 1946-47. Lesch.
- Eng 447, 448, 449. **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 450. **Pope.** (G) 3 hours spring.
Trowbridge.
- Eng 451. **Milton.** (G) 3 hours spring.
Lesch.
- Eng 457, 458, 459. **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. Not offered 1946-47. Souers, Trowbridge.
- Eng 460. **Shelley.** (G) 3 hours spring.
Moll.
- Eng 465. **The New England Renaissance.** (G) 3 hours winter.
The rise of the New England literary school before the Civil War, with special attention to Emerson, Thoreau, Hawthorne, and their associates. Prerequisite: Eng 261, 262, 263 or equivalent. Not offered 1946-47. Black.
- Eng 481, 482, 483. **Nineteenth-Century Prose.** (G) 3 hours each term.
Main currents of thought as reflected in Carlyle, Mill, Newman, Ruskin, Huxley, Arnold, Pater. Black, Mundle.

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.** Terms and hours to be arranged.
- Eng 505. **Reading and Conference.** Terms and hours to be arranged.
- Eng 507. **Seminar.** Terms and hours to be arranged.
Special Authors.
Romantic Tendencies in the Eighteenth Century. Trowbridge.
English Comedy. Horn.
Elizabethan Drama. R. Ernst.
Evolution of Tragedy. R. Ernst.
American Literature. Walker.
History of Criticism. Jessup.
- Eng 511, 512, 513. **Carlyle.** 2 or 3 hours each term.
Carlyle's relation as source or transmitter to the various literary, social, and intellectual movements of the day. Not offered 1946-47.

Eng 540. **Problems and Methods of Literary Study.** 3 hours fall.

Bibliography and the methods of literary research as an introduction to graduate work. Souers, staff.

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 entrance placement examination. For such students Rht K is a prerequisite for any other work in written English.

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

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

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. Horn, Thacher.

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. Kittoe, McCloskey.

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. Thacher.

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. Not offered 1946-47.

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. Horn.

Rht 317, 318, 319. **Versification.** 2 hours each term.

Verse writing; study of various verse forms as mediums of expression. Analy-

sis of class work. Open to freshmen and sophomores. Alternates with Rht 321, 322, 323. Prerequisite: consent of instructor. Not offered 1946-47. A. Ernst.

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

Designed to develop proficiency in the art of essay writing. Prerequisite: Rht 316. Horn.

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 schools. Practice in writing and a review of the rules of composition. Prerequisite: Rht 111, 112, 113. Perkins, Mills.

SPEECH AND DRAMA

The curriculum of the Division of Speech and Drama provides instruction in the following fields: public speaking, interpretation, theater and drama, radio, and speech correction. The division offers professional training for teachers of speech, drama, and speech correction; for acting and other theater vocations; and for radio writing and broadcasting. It also offers a general program of training in public speaking for students who wish this preparation for business, professional, and public life.

The University Theater provides facilities for student dramatic productions. Students interested in radio have opportunities for practical experience in the University studios of station KOAC. Ample opportunities for public-speaking experience are provided through the symposium program and the Speakers' Bureau sponsored by the division, through intramural speech and reading contests, and through intercollegiate contests of the Pacific Forensic League and the Intercollegiate Forensic Association of Oregon. The Speech Correction and Hearing Clinic has modern equipment and facilities for its speech-correction program.

Several programs of study have been planned to suit individual interests and professional aims. Students electing a speech-drama option are required to satisfy the general requirements for a major in the Department of English, listed on page 114. For requirements for a State Teacher's Certificate see SCHOOL OF EDUCATION.

Drama. For students whose major field is drama, the following courses are required:

Lower Division—Extempore Speaking (SD 130); Technique of Acting (SD 211, 212, 213); Interpretation (SD 241, 242); Theater Workshop (SD 244, 245, 246).

Upper Division—Play Production (SD 344, 345, 346); English Drama (Eng 434, 435, 436); additional upper-division sequence in English literature (see page 114).

Students in drama who expect to teach are urged to take Argumentation and Persuasion (SD 230).

Public Speaking. For students whose major field is public speaking, the following courses are required:

Lower Division—Extempore Speaking (SD 130, 131, 132); Argumentation and Persuasion (SD 230, 231); Interpretation (SD 241); Technique of Acting (SD 211, 212).

Upper Division—Public Address (SD 330, 331, 332); Advanced Public Discussion (SD 321); History and Literature of Oratory (SD 492, 493, 494); one upper-division sequence in English literature (see page 114).

Radio. For students whose major field is radio the following courses are required:

Lower Division—Extempore Speaking (SD 130); Technique of Acting (SD 211, 212, 213); Fundamentals of Broadcasting (SD 220); Radio Workshop (SD 221, 222, 223); Interpretation (SD 241).

Upper Division—Radio Script Writing (SD 337); Radio Program Production (SD 338); two upper-division sequences in English literature (see page 114).

Speech Correction. For a student whose major field is speech correction the following courses are required:

Lower Division—Extempore Speaking (SD 130, 131, 132); Interpretation (SD 241, 242); Speech Science (SD 260); Phonetics (SD 270); General Psychology (Psy 201, 202).

Upper Division—Speech Defects and Disorders (SD 486, 487); Clinical Methods in Speech Correction (SD 488); Clinical Practice in Speech Correction (SD 489, 490, 491); two upper-division sequences in English literature (see page 114).

LOWER-DIVISION COURSES

SD 130, 131, 132. **Extempore Speaking.** 3 hours each term.

Fall: speech outlining and organization; winter: development of effective delivery; spring: application of the principles of composition and delivery to speech situations. Clark, Dahlberg, Krenk, Montgomery, Wood.

SD 136. **Parliamentary Procedure.** 1 hour fall or spring.

Parliamentary practices indispensable to the conduct of any business meeting. The class is organized as an assembly; every member serves in turn as secretary, chairman, and speaker from the floor. 2 recitations. Dahlberg, Montgomery.

SD 141, 142, 143. **Voice and Diction.** 2 hours each term.

Study and practice of the principles of tone production. Phonetic analysis of English sounds as a basis for pronunciation and for the development of correct and effortless diction. Montgomery, Seybolt.

SD 211, 212, 213. **Technique of Acting.** 3 hours each term.

Introduction to the principles of acting technique. Problems in the analysis and presentation of character. Robinson, Seybolt.

SD 220. **Fundamentals of Broadcasting.** 2 hours any term.

Study of the general field of broadcasting; auditioning, radio equipment, radio speaking, types of programs and their arrangement, radio laws, radio terminology. Krenk.

SD 221, 222, 223. **Radio Workshop.** 2 hours each term.

Experience in broadcasting of radio programs; operation of sound effects, turntables, microphones; direction of radio programs over stations KOAC and KORE. Prerequisite: consent of instructor. Krenk.

SD 230, 231, 232. **Argumentation and Persuasion.** 3 hours each term.

Fall: argumentation; winter: principles of audience psychology; spring: motivation, principles underlying the response of audiences to the speaker and his argument. Prerequisite: SD 130. Dahlberg.

SD 234. **Public Discussion.** 2 hours winter or spring.

Special sections for men's and for women's symposium. Preparation of speeches for delivery before public audiences. Prerequisite: consent of instructor. Clark.

SD 241, 242. **Interpretation.** 2 hours each term, fall and winter.

The application of the principles of oral reading to literature. Seybolt.

SD 243. **Elements of Acting.** 2 hours any term.

Open only to students acting significant roles in University plays directed by members of the faculty of the division.

SD 244, 245, 246. **Theater Workshop.** 3 hours each term.

Planning and construction of stage settings, costumes, properties; principles of lighting; mechanics of the physical stage. Practical experience in connection with the production of plays. Robinson.

SD 251, 252, 253. **Introduction to the Theater Arts.** 2 hours each term.

Theater history. Analysis of design, acting, play writing, direction, criticism, management. Appreciation of drama, motion picture, and radio play as art forms. Terms in sequence, but may be taken separately. Robinson.

SD 260. **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. Montgomery, Wood.

SD 270. **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. Montgomery, Wood.

UPPER-DIVISION COURSES

SD 321, 322. **Advanced Public Discussion.** 2 hours each term, winter and spring.

Special sections for men's and for women's symposium. Preparation of speeches for delivery before public audiences. Prerequisite: consent of instructor. Clark, Montgomery.

SD 330, 331, 332. **Public Address.** 3 hours each term.

Fall: speech composition; characteristics of oral style. Winter: forms of oratory. Spring: extended address; the student writes and delivers a lecture. Prerequisite: SD 230, 231, 232 or consent of instructor. Dahlberg.

SD 334. **Oral English for Teachers.** 3 hours any term.

Instruction in speech and speech forms designed for classroom use. Required for English majors who intend to teach and who have had no other courses in speech. Clark, Dahlberg.

SD 337. **Radio Script Writing.** 3 hours any term.

Study of the technique and devices used in writing radio plays, talks, special features, adaptations, and continuity forms. Critical study of scripts. Prerequisite: consent of instructor. Krenk.

SD 338. **Radio Program Production.** 3 hours any term.

Production and direction of all types of radio programs with release over stations KOAC and KORE. Prerequisite: SD 220, SD 221. Krenk.

- SD 340. **Direction of School and Community Plays.** 3 hours winter or spring.
Designed primarily to familiarize teachers with elementary problems of play production. Seybolt.
- SD 344, 345, 346. **Play Production.** 3 hours each term.
Sources of dramatic material, choice of play, casting and rehearsal of plays, production organization. Practical experience in directing. 6 or more laboratory periods. Seybolt.
- SD 347, 348, 349. **Guild Hall Players.** 3 hours each term.
An advanced course in the technique of acting. Prerequisite: SD 211, 212, 213. Robinson, Seybolt.
- SD 351, 352, 353. **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. Robinson.
- SD 486, 487. **Speech Defects and Disorders.** 3 hours each term.
Fall: speech defects and voice science; winter: neurological speech disorders. Prerequisite: SD 260, SD 270. Wood.
- SD 488. **Clinical Methods in Speech Correction.** 3 hours any term.
Study and demonstration of the clinical methods and procedures for the treatment of speech disorders. Lectures, class demonstrations, and reading review. Wood.
- SD 489, 490, 491. **Clinical Practice in Speech Correction.** 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.
- SD 492, 493, 494. **History and Literature of Oratory.** 3 hours each term.
Masterpieces of oratorical literature. Fall: Greek and Roman oratory; winter: British oratory from Pitt to modern times; spring: American oratory. Dahlberg, Clark, Montgomery.

LIBRARY

The University does not offer a major curriculum in librarianship. The courses listed below have three purposes: (1) to acquaint University students with the resources of the Library, and to provide instruction in the efficient use of these resources; (2) to provide sufficient instruction in librarianship to meet the needs of school librarians; and (3) to provide an introduction to librarianship for students contemplating a career in this field.

The courses for school librarians offered during the regular year and in the summer sessions satisfy the Oregon standards for teacher-librarians.

For students who are interested in entering a graduate library school, a special prelibrary option is offered by the Department of English. The option is intended to provide the broad liberal-arts preparation which is essential for professional library training. The requirements of the prelibrary option are:

- (1) At least two years of French or German.
- (2) At least 36 term hours in courses in English literature, including two upper-division year sequences (each totaling 9 term hours), one a period course (such as Seventeenth-Century Literature) and the other a type course (such as English Novel).
- (3) At least 18 term hours in the social sciences.

It is recommended that the student plan his program to include two years of

a second foreign language (French or German), and at least 18 term hours in science. The work in science should include a year sequence with laboratory in botany, chemistry, physics, or zoology (this is required for admission to some library schools).

Only students who have a scholarship record which makes them eligible for honors should consider entering the field of librarianship. The use of the typewriter by the touch system should be learned, preferably in high school, by all persons planning to become librarians.

LOWER-DIVISION COURSE

- Lib 117. **Use of the Library.** 1 hour any term.
Training in the use of the card catalog, periodical indexes, and reference books; experience in the preparation of bibliographies. As far as possible, problems are coordinated with the student's study program.

UPPER-DIVISION COURSES

- Lib 381. **Elementary Reference Work.** 3 hours fall.
Study of important reference books and other aids for the use of the resources of the library. Practical problems in the use of reference tools. A more advanced course than Lib 117. Findly.
- Lib 382. **Book Selection and Evaluation.** 3 hours spring.
General survey of the best books and authors, old and new, in various fields of writing; principles and standards of judgment interpreted and applied to small libraries; practice in book review and annotation. Rise.
- Lib 384. **School Library Administration.** 3 hours winter.
Organization, equipment, administration, and objectives of modern school libraries. Chester.
- Lib 385. **Library Practice.** 3 hours any term.
Lectures by staff members; 60 hours laboratory practice; required reading of six books from a selected list. Prerequisite: 18 hours in library courses. Not offered 1946-47.
- Lib 388, 389. **Children's Literature.** 3 hours each term, fall and winter.
The aim is to give an understanding and appreciation of the best literature for children of all ages. Practical training in book selection. Not offered 1946-47.
- Lib 390. **History of the Book.** 3 hours spring.
The forms, materials, and styles of writing and printing in which books have appeared from the earliest times to the present. Study of examples in the University Library. Not offered 1946-47.

Geology and Geography

PROFESSOR: W. D. SMITH (department head).

ASSISTANT PROFESSORS: L. W. STAPLES, J. C. STOVALL.

INSTRUCTOR: A. L. ISOTOFF.

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.

For major students, the department provides work in three general fields of specialization: (1) petrology, mineralogy, and economic geology; (2) historical geology and palaeontology; (3) 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 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 trigonometry (if available), geography, science (physics, chemistry, or general science), Latin, English composition, history, and general literature.

Major Curriculum in Geology. The following courses are required for an undergraduate major in geology:

Lower Division—General Geology (G 101, 102, 103); General Geology Laboratory (G 104, 105, 106); mathematics (at least one year of college mathematics); chemistry or biology; physics; Principles of Economics (Ec 201, 202, 203).

Upper Division—Mineralogy (G 312, 313, 314); Physiography (Geo 316); Structural Geology (G 421); Introduction to Palaeontology (G 381, 382, 383); Economic Geology (G 411, 412, 413) or Petrography (G 414, 415, 416).

Major Curriculum in Geography. The following courses are required for an undergraduate major in geography:

Lower Division—Introductory Geography (Geo 105, 106, 107); mathematics through trigonometry; General Geology (G 101, 102, 103); astronomy or meteorology; Cartography (Geo 219, 220); physics; chemistry or biology.

Upper Division—Field Geography (Geo 218); geography of the continents series; anthropology; Climatology (Geo 215); Physiography (Geo 316); Natural History of Oregon (GS 311, 312, 313); seminar in history of geography and geography of Oregon.

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, human and political geography.

Facilities. The department has laboratory facilities for work in mineralogy, palaeontology, and petrography, including equipment for the making of thin sections. Working collections of 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.** 3 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. If accompanied by G 104, 105, 106, satisfies the science group requirement. Smith.

- G 104, 105, 106. **General Geology Laboratory.** 1 hour each term.
Staples, Isotoff.
- G 201, 202, 203. **Introduction to Field Geology.** 1 to 3 hours each term.
Elementary topographic mapping; use of field instruments; field trips; geological mapping of a small selected area near Eugene. Staples.
- 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. Smith, Staples.
- 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. 2 lectures, 2 laboratory periods. Prerequisite: G 101, 102, 103; Ch 104, 105, 106. Staples.
- 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. Smith.
- 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. Smith, Staples.
- G 405. **Reading and Conference.** Terms and hours to be arranged.
- G 411, 412, 413. **Economic Geology.** (g) 2 hours each term.
The general principles of deposition and the evaluation of metallic and non-metallic economic geologic deposits; principal economic deposits, domestic and foreign. 2 lectures. Prerequisite: G 312, 313, 314. Smith, Staples.
- G 414, 415, 416. **Petrography.** (G) 4 hours each term.
Study of rocks and their alteration products; use of the petrographic microscope. 3 lectures, 1 laboratory period. Prerequisite: G 312, 313, 314; Ph 101, 102, 103 or Ph 201, 202, 203. Staples, Isotoff.
- G 421. **Structural Geology.** (g) 4 hours.
Origin, interpretation, and mapping of minor rock structures, and of major structures such as faults and folds. 3 lectures, 1 laboratory period. Prerequisite: G 104, 105, 106; Ph 101, 102, 103 or Ph 201, 202, 203. Staples.
- 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. Smith.
- 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. Smith.

GRADUATE COURSES

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

- G 503. **Thesis.** Terms and hours to be arranged.
- G 505. **Reading and Conference.** Terms and hours to be arranged.
- G 507. **Seminar.** Terms and hours to be arranged.
- G 511. **Advanced Microscopy.** 4 hours.
Designed to familiarize the student with microscopic technique in connection with 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. Smith, Staples.

GEOGRAPHY

LOWER-DIVISION COURSES

- Geo 105, 106, 107. **Introductory Geography.** 3 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. Stovall.
- Geo 108, 109, 110. **Introductory Geography Laboratory.** 1 hour each term.
Laboratory exercises to supplement Geo 105, 106, 107. Stovall.
- Geo 215. **Climatology.** 3 hours.
Preview of 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 or 101, 102, 103. Stovall.
- Geo 218. **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. Stovall.
- Geo 219, 220. **Cartography.** 3 hours each term, fall and winter.
Study and practice of map making and map projection. Comparative study of different types used in the United States and in other countries. Prerequisite: G 101, 102 or Geo 105, 107. 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. **Physiography.** 3 hours.
Systematic study of land forms in their relation to the cultural landscape. Emphasis on the geographic cycle in the study of topographic development. Prerequisite: Geo 105, 106, 107 or G 101, 102, 103. Smith.
- Geo 317. **Physiography of the United States.** 3 hours.
Continuation of Geo 316. More detailed study of the physiography of the United States. Follows such books as Fenneman's *Physiography of the United States* and Bowman's *Forest Physiography*. Smith.
- 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. Smith, Stovall.

- Geo 323, 324, 325. **Physical and Economic Geography of the Pacific Northwest.** 3 hours each term.
Physiographic regions 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. Stovall.
- Geo 401. **Research.** Terms and hours to be arranged.
- Geo 405. **Reading and Conference.** Terms and hours to be arranged.
Suggested fields for directed study: influence of geographic environment; geographic background of American history; source materials and laboratory techniques in geography; history of geography and geology.
- 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 physiographic and economic background of the continent. Prerequisite: Geo 105, 106, 107 or G 101, 102, 103. Stovall.
- 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 or G 101, 102, 103. Smith.
- Geo 429. **Geography of North America.** (G) 3 hours.
Physiography and resources of the continent, and social reactions as influenced by these. Prerequisite: Geo 105, 106, 107 or G 101, 102, 103. Stovall.
- Geo 430. **Geography of South America.** (G) 3 hours.
Physical, economic, and human geography of the continent; the outstanding economic, social, and political trends in South America, as influenced by these facts. Prerequisite: Geo 105, 106, 107 or G 101, 102, 103. Smith.
- 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 or G 101, 102, 103. Smith.
- Geo 432. **Geography of Africa.** (G) 3 hours.
Physical geography of the continent; the main economic, social, and political problem viewed in relation to geography. Prerequisite: Geo 105, 106, 107 or G 101, 102, 103. Stovall.
- Geo 433. **Geography of Middle America.** (G) 3 hours.
Physical geography, natural resources, and economic and social developments of Mexico, Central America, and the islands of the Caribbean. Prerequisite: Geo 105, 106, 107 or G 101, 102, 103. Smith.

GRADUATE COURSES

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

- Geo 501. **Research.** Terms and hours to be arranged.
- Geo 503. **Thesis.** Terms and hours to be arranged.

Geo 505. **Reading and Conference.** Terms and hours to be arranged.

See Geo 405.

Geo 507. **Seminar.** Terms and hours to be arranged.

Germanic Languages and Literatures

PROFESSORS: G. F. LUSSKY (department head), E. P. KREMER.

ASSISTANT PROFESSOR: ASTRID M. WILLIAMS.

IN the Department of Germanic Languages and Literatures, lower-division, upper-division, and graduate instruction is offered in German and in the Scandinavian languages. The curriculum of the department is planned to provide specialized training for majors, to meet the cultural needs of nonmajor students, and to satisfy the language requirements of other fields and vocations.

The following courses are required of all majors in Germanic languages and literatures: Germanic Literature (GL 201, 202, 203 or GL 343, 344, 345); German Conversation and Composition (GL 334, 335, 336); Goethe's Faust (GL 413).

GERMAN

LOWER-DIVISION COURSES

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

Grammar; German composition; reading and translation of easy prose and poetry. Lussky, Kremer, Williams.

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

Grammar, composition, and conversation. Translation of standard German authors. Prerequisite: one year of college or two years of high-school German. Williams.

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 entering in the winter term.

GL 201, 202, 203. **German Literature.** 3 hours each term.

Third year. Reading of masterpieces of various periods. A general survey of German literature. Satisfies group requirement in language and literature. Lussky.

UPPER-DIVISION COURSES

Courses numbered 300-399 are open to lower-division students.

GL 305. **Reading and Conference.** 1 to 3 hours any term.

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

For description see page 97. Lussky.

GL 320, 321, 322. **Scientific German.** 3 hours each term.

Recommended for students in architecture and allied arts, education, journalism, medicine, music, social science, and science. Students should consult the instructor before registering. Kremer.

GL 331. **Die deutsche Novelle.** 3 hours fall.

Reading and discussion of outstanding "Novellen." Kremer.

GL 332. **Modern German Drama.** 3 hours winter.

Representative dramatic masterpieces of the German postclassical period: Kleist, Heibel, Grillparzer, Sudermann, Hauptmann, etc. Kremer.

GL 333. **German Poetry.** 3 hours spring.

Poems of Goethe, Schiller, Uhland, etc. Kremer.

GL 334, 335, 336. **German Conversation and Composition.** 2 hours each term.

Required for students planning to teach German. Lussky.

GL 340, 341, 342. **German Culture and Civilization.** 2 hours each term.

A comparative survey of German and European civilization; illustrated by lantern slides. Lectures (in English) on philosophy, poetry, and life, and their relations and principal tendencies in German history. Kremer.

GL 343, 344, 345. **German Literature.** 3 hours each term.

Third year. Reading of masterpieces of various periods. A special review of German literature. Not open to students who have taken GL 201, 202, 203. Lussky.

GL 403. **Thesis.** Terms and 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.** (G) Terms and 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. Lussky.

GL 412. **Modern German Novel.** (G) 3 hours winter.

Intensive study of a few representative masterpieces, accompanied by the reading of selections from many authors. Lussky.

GL 413. **Goethe's Faust.** (G) 3 hours spring.

In German. Part I, with commentary. Lussky.

GRADUATE COURSES

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

GL 503. **Thesis.** Terms and hours to be arranged.

GL 505. **Reading and Conference.** 1 to 3 hours any term.

GL 507. **Seminar.** Terms and hours to be arranged.

GL 508. **Seminar: German Philology.** 3 hours any term.

Gothic, Old High German, Middle High German, or Old Icelandic.

SCANDINAVIAN

LOWER-DIVISION COURSES

GL 11, 12, 13. **Elementary Norwegian.** 3 hours each term.

Grammar and reading of easy prose. The texts are: Einar Haugen, *Beginning Norwegian*; O. Krogh, *Nyere Norsk Prosa, Riksmaal*. Alternates with GL 21, 22, 23. Williams.

GL 14, 15, 16. **Second-Year Norwegian.** 3 hours each term.

Reading of Norwegian authors; composition and conversation. Alternates with GL 24, 25, 26. Williams.

GL 21, 22, 23. **Elementary Swedish.** 3 hours each term.

Grammar and reading of easy prose. Im. Björkhagen, *Modern Swedish Grammar*; A. L. Elmquist, *Swedish Reader*; Selma Lagerlöf, *En herrgårdssågen* or Strindberg, *Mäster Olof*. Alternates with GL 11, 12, 14. Williams.

GL 24, 25, 26. **Second-Year Swedish.** 3 hours each term.

Reading of Swedish authors; composition and conversation. Alternates with GL 14, 15, 16. Williams.

UPPER-DIVISION COURSES

GL 451, 452, 453. **Scandinavian Literature, Life, and Culture.** 3 or 4 hours each term.

Educational, critical, biographical, and other works and treatises on the literary and cultural life of the Scandinavian countries. Williams.

History

PROFESSORS: D. E. CLARK (department head), ANDREW FISH, J. T. GANOE, H. J. NOBLE*, H. D. SHELDON (emeritus).

ASSOCIATE PROFESSORS: QUIRINUS BREEN, T. E. LAFARGUE.

ASSISTANT PROFESSOR: GORDON WRIGHT†.

ASSOCIATES: MABEL McCLAIN, LANCASTER POLLARD.

FELLOW: R. D. BICKETT.

ASSISTANTS: JOYCE A. CLARK‡, D. S. HALBAKKEN, HELEN J. POULTON, HELEN L. POLLARD.

THE curriculum of the Department of History includes courses in world history and in the development of western civilization, and a comprehensive program of elementary and advanced work in United States and English history. Courses are also offered in the history of the Orient and of Hispanic America.

Special attention is given to culture history as a distinct field. See: World History (Hst 204, 205, 206); Intellectual History of Western Europe (Hst 414, 415, 416); Great Historians (Hst 417, 418, 419); History of Civilization in the United States (Hst 460, 461, 462); Forces and Influences in American History (Hst 479); Civilizations of China and Japan (Hst 394, 395, 396).

Requirements for Bachelor's Degree. For a bachelor's degree with a major in history, a student must complete 36 term hours of work in history, including: History of the United States (Hst 201, 202, 203), Europe since 1815 (Hst 341, 342, 343), Historical Method (Hst 420), and 13 additional hours in upper-division history courses. Students planning to teach in the secondary schools must take required education courses, and fulfill the subject-preparation requirement in social science. See SCHOOL OF EDUCATION.

Requirements for Master's Degree. In addition to requirements imposed by the Graduate Division, candidates for the master's degree with a major in

* On leave of absence, winter and spring terms, 1945-46.

† On leave of absence 1945-46.

‡ Resigned Dec. 31, 1945.

history are required to take courses carrying graduate credit in three different fields of history. The student's fields must be approved by the department.

DESCRIPTION OF COURSES

LOWER-DIVISION COURSES

Hst 104, 105, 106. **History of Western Europe.** 3 hours each term.

European history and the spread of European civilization. Fall: fall of Rome to 1500; winter: 1500 to 1789; spring: 1789 to the present. Wright.

Hst 201, 202, 203. **History of the United States.** 3 hours each term.

From colonial times to the present day. Clark.

Hst 204, 205, 206. **World History.** 3 hours each term.

The great civilizations of the world in review. From the Stone Age to the present. Fish.

Hst 207, 208, 209. **English History.** 3 hours each term.

A general survey, covering political, economic, social, intellectual, and religious developments. Fish.

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 377. **Oregon History.** 2 hours any term.

Brief survey of the building of civilization in the Oregon Country. Ganoe.

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. Noble.

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. Noble.

Hst 403. **Thesis.** Terms and hours to be arranged.

Hst 405. **Reading and Conference.** Terms and 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 1946-47. 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 1946-47. Breen.

Hst 414, 415, 416. **Intellectual History of Western Europe.** (G) 3 hours each term.

Development of the Western European mind; origins of contemporary mental attitudes; history of the freedom of thought. Not offered 1946-47. Fish.

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 upon the historians of the nineteenth century. Fish.

- Hst 420. **Historical Method.** (G) 2 hours.
Introduction to the method of historical research and history writing. Ganoe.
- Hts 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 431. **Renaissance.** (G) 3 hours fall.
The Italian phase of the renaissance; its spread to other sections of Europe. Breen.
- Hst 432. **Reformation.** (G) 3 hours winter.
The disruption of the Church in Western Europe, the counterreformation, and the religious wars. Breen.
- Hst 433. **Age of Monarchy.** (G) 3 hours spring.
The rise of national states, with emphasis upon the period from the Treaty of Westphalia to the French Revolution. Breen.
- Hst 411, 442, 443. **History of France.** (G) 3 hours each term.
Fall: growth of the monarchy; winter: the Old Regime, the Revolution, and the Napoleonic area; spring: since 1815. Prerequisite: European or world history; or major in French; or consent of instructor. Wright.
- Hst 445. **Europe since 1919.** (G) 3 hours.
The immediate background of contemporary Europe; rise of authoritarian government and the origins of World War II. Not open to students who have had Hst 343. Not offered 1946-47. Wright.
- Hst 446. **Recent Germany.** (G) 3 hours fall.
The German Empire, the republican experiment, 1918-33, and the National Socialist regime. Wright.
- Hst 447. **Recent Russia.** (G) 3 hours winter.
The tsarist regime in the late nineteenth century, the revolutions of 1905 and 1917, and the Soviet Union since 1917. Wright.
- Hst 448. **Balkans in Recent Times.** (G) 3 hours.
The Balkan states from 1878 to the present; social, political, and economic problems; their increasing importance as a factor in European international relations. Not offered 1946-47. Wright.
- Hst 460, 461, 462. **History of Civilization in the United States.** (G) 2 hours each term.
Science, philosophy, religion, education, ethical standards, newspapers, magazines, development of social classes, cities, economic expansion, in their interrelations. Sheldon.
- Hst 463, 464, 465. **British Overseas Empire.** (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 1946-47. Fish.
- 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. Not offered 1946-47. Fish.
- Hst 469. **Recent England.** (G) 3 hours.
Recent social, political, economic, and intellectual changes in Great Britain. Not offered 1946-47. Fish.

- Hst 470, 471, 472. **Leading Americans.** (G) 2 hours each term.
American leaders who have been outstanding in their periods. Not offered 1946-47. 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 1946-47. 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 1946-47. Clark.
- Hst 480, 481, 482. **History of Hispanic America.** (G) 3 hours each term.
From the establishment of the Spanish empire to the present. Prerequisite: 9 hours of history or consent of instructor. Ganoe.
- 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. Not offered 1946-47. 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. **American Economic History.** (G) 3 hours each term, fall and winter.
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. Noble.
- Hst 497, 498, 499. **History of Japan.** (G) 3 hours each term.
History of Japan, from its beginnings to the present. Not offered 1946-47. Noble.

GRADUATE COURSES

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

- Hst 501. **Research.** Terms and hours to be arranged.
- Hst 503. **Thesis.** Terms and hours to be arranged.

Hst 505. **Reading and Conference.** Terms and hours to be arranged.

Hst 507. **Seminar.** Terms and hours to be arranged.

European History. Breen, Wright.

English History. Fish.

American History. Clark, Sheldon, Ganoe.

History of the Pacific Northwest. Clark, Ganoe.

History of the Far East. Noble.

Home Economics

PROFESSORS: MABEL A. WOOD (department head), LILLIAN E. TINGLE (emeritus).

INSTRUCTORS: VALLIÈRE G. DECKER, RUTH H. THURSTON, FRANCES VAN VOORHIS, ELIZABETH K. WARREN.

LOWER-division and service courses in home economics are offered at the University. By action of the State Board of Higher Education on March 7, 1932, all major work in the Oregon State System of Higher Education leading to baccalaureate and advanced degrees in home economics was confined to the School of Home Economics at the State College, and lower-division work (instruction in the freshman and sophomore years) was assigned to both the State College and the University.

The lower-division work in home economics is essentially the same at both institutions. While it is recommended that students intending to major in home economics enter the institution at which major work is offered at the beginning of their freshman year, they may, if they wish, spend their freshman and sophomore years at the University, and transfer to the State College for their major work at the beginning of the junior year, without loss of credit and with fundamental requirements for upper-division standing fully met. 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 for students in other fields.

In the organization and administration of the instruction in the nonmajor departments at the two institutions, the deans of the major schools serve as advisers, to the end that the offerings shall bear a proper relation to the work of the major school. (See page 6.)

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.

CLOTHING, TEXTILES, AND RELATED ARTS

LOWER-DIVISION COURSES

CT 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 CT 114, 115, 116, or must take this sequence at the same time. 2 two-hour laboratory periods.

CT 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 CT 111, 112, 113 must also take this sequence. Thurston.

CT 125. **Textiles.** 2 hours any term.

Textile fibers and their relation to dress and household textiles. Suggested parallel for CT 111. Decker.

UPPER-DIVISION SERVICE COURSE

CT 331. **Home Planning and Furnishing.** 3 hours any term.

Principles involved in the planning and furnishing of a home. Decker.

FOODS AND NUTRITION

LOWER-DIVISION COURSES

FN 211, 212, 213. **Foods.** 3 hours each term.

Introduction to foods; selection, preparation, and serving of meals. 2 recitations; 2 two-hour laboratory periods. Wood.

FN 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. Wood.

FN 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. Wood.

HOUSEHOLD ADMINISTRATION

LOWER-DIVISION COURSE

HAd 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. Van Voorhis.

UPPER-DIVISION SERVICE COURSES

HAd 325. **Child Care and Training.** 3 hours any term.

The growth, development, and training of the young child. No prerequisite. Van Voorhis.

HAd 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. Van Voorhis.

Mathematics

PROFESSORS: A. F. MOURSUND (department head), DECOUR (emeritus).

ASSOCIATE PROFESSORS: T. S. PETERSON, F. E. WOOD.

ASSISTANT PROFESSORS: K. S. GHENT, C. F. KOSSACK.

INSTRUCTORS: OLGA FREEMAN, MARIE RIDINGS.

ASSISTANTS: SHIRLEY K. ANDERSON, ROSAMUND F. BOWMAN*, JEANETTE F. LUND, ELOISE McCORD, HELEN OLNEY.

* Resigned March 31, 1945.

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 supply 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 at least one and one-half years of high-school algebra: Mth 101, 102, 103; Mth 101, 102, 108; Mth 105, 106, 200; Mth 105, 106, 108.

Sophomore Sequences. Any three one-term courses numbered 200-210 will satisfy the group requirement in science. Differential and Integral Calculus (Mth 201, 202, 203) is the standard sequence for students in the physical, biological, and social sciences.

Requirements for Bachelor's Degree. For a bachelor's degree with a major in mathematics, a student must complete 48 term hours of work in the field, including Differential and Integral Calculus (Mth 201, 202, 203) and at least 24 hours in upper-division mathematics courses.

The following courses are recommended as electives: General Physics (Ph 201, 202, 203) and other physics courses; General Chemistry (Ch 104, 105, 106); 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). Prospective mathematics teachers should also complete two terms of Differential and Integral Calculus (Mth 201, 202) and either Advanced Euclidean Geometry (Mth 415) or Projective Geometry (Mth 416) to secure the unqualified recommendation of the department.

It is 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. 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 Division.

Candidates for the doctor's degree are at present accepted only in the field of analysis.

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. C. F. Kossack, assistant professor of mathematics. The Department of Economics offers a major option in applied statistics, with special emphasis on applications to economic and business problems (see page 110).

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.

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 Oregon Hall. The facilities of the laboratory and the advice of laboratory assistants are available to all students whose work involves statistical computations.

DESCRIPTION OF COURSES

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 and 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, Moursund.
- Mth 315. **Theory of Equations.** 3 hours.
Methods of solution of algebraic equations and related topics. Prerequisite: calculus or Mth 314. Ghent, Kossack.
- Mth 316. **Solid Analytical Geometry.** 3 hours.
An analytical treatment of curves and surfaces in three-dimensional space. Prerequisite: calculus or Mth 314. Peterson, Wood.
- Mth 325, 326. **Elements of Statistical Methods.** 3 or 4 hours each term.
Collection, tabulation, and graphical presentation of statistical data; frequency distributions, measures of central tendencies (averages) and dispersion, linear regression and correlation, the normal curve, the design of experiments, tests of significance. Prerequisite: one year of high-school algebra or equivalent. Students registered for 4 hours credit must have completed Mth 105 or equivalent. Kossack.
- Mth 327. **Probability.** 3 hours.
Theory of permutations, combinations, substitutions, and distributions. Theory of expectation. Tchebycheff's inequality, and the probability integral, with applications. Prerequisite: calculus and Mth 325, 326. Kossack.
- 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 and consent of instructor. Moursund.
- Mth 405. **Reading and Conference.** Terms and 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, Wood.
- 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 and consent of instructor. Ghent.
- Mth 415. **Advanced Euclidean Geometry.** (G) 3 hours.
Modern development 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. **Projective Geometry.** (G) 3 hours.
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. Moursund, Peterson.
- 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, 327 or equivalent. Kossack.
- 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) may be taken for graduate credit.

- Mth 503. **Thesis.** Terms and hours to be arranged.
- Mth 505. **Reading and Conference.** Terms and hours to be arranged.
- Mth 507. **Seminar.** Terms and hours to be arranged.
Differential Geometry. Peterson.
Fourier Series and Summability. Moursund.
Integral Equations. Peterson.
Probability. Kossack.
- 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. **Fourier Series.** 3 hours.
Elements of the theory of convergence and summability of Fourier series. Moursund.
- Mth 541. **Linear Algebras.** 3 hours.
Fields, polynomials, matrices, algebras, division algebras, invariant sub-algebras, reducible algebras, nilpotent algebras, structure of algebras. Ghent.

Mth 544. **Theory of Groups.** 3 hours.

Groups, subgroups, cyclic groups, factor groups, isomorphic groups, Abelian groups, Galois fields, Sylow groups, p-groups, permutation groups. Ghent.

Mth 547. **Theory of Algebraic Numbers.** 3 hours.

Rational-number theory, moduls, primes, congruences, residue classes, Abelian groups, algebra of number fields, irreducibility of polynomials, algebraic numbers, ideals. Ghent.

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. 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. Moursund, Peterson.

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 jurisdiction of the dean of the College of Liberal Arts. For the preparatory curriculum, see pages 95-96.

DESCRIPTION OF COURSES

LOWER-DIVISION COURSES

Nur 111, 112, 113. **Backgrounds of Nursing.** 1 hour each term.

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

Nur 211, 212, 213. **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.

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 offer a more intensive study of selected philosophical problems. Before securing 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, Bacon, Descartes, Leibnitz, Spinoza, Hobbes, Locke, Berkeley, Hume, Kant, Hegel, and Schopenhauer.

DESCRIPTION OF COURSES

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. Townsend, 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: Ph 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.

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 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. Townsend.

Phl 405. **Reading and Conference.** Terms and hours to be arranged.

For students who have had previous study of philosophy.

Phl 407. **Undergraduate Seminar.** (G) Terms and 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. Sullivan.

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.** Terms and hours to be arranged.

Phl 505. **Reading and Conference.** Terms and hours to be arranged.

Phl 507. **Seminar.** Terms and hours to be arranged.

Physics

PROFESSORS: A. E. CASWELL (department head), W. V. NORRIS.

ASSOCIATE PROFESSOR: E. G. EBBIGHAUSEN.

ASSISTANT PROFESSOR: E. H. COLLINS*.

INSTRUCTOR: M. A. STARR†.

CCOURSES 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 104, 105, 106).

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: World History (Hst 204, 205, 206) 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 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).

DESCRIPTION OF COURSES

LOWER-DIVISION COURSES

Ph 101, 102, 103. **Essentials of Physics.** 2 hours each term.

Lectures in nonmathematical language, presenting fundamental principles. If

* Resigned Dec. 31, 1945.

† On leave of absence 1945-46.

accompanied by Ph 104, 105, 106, this sequence satisfies the science group requirement.

Ph 104, 105, 106. **Essentials of Physics Laboratory.** 1 hour each term.

Designed especially to accompany Ph 101, 102, 103, which must be taken at the same time. 2 hours conference and laboratory.

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.

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.

Ph 207. **Elementary Meteorology.** 3 hours.

Elementary treatment of the physics of the atmosphere. 3 lectures. Ebbighausen.

Ph 208, 209. **Descriptive Astronomy.** 3 hours each term.

Descriptive treatment of the more important facts relating to the heavenly bodies. First term: constellations and the solar system. Second term: sun, stars, and galaxies. 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. Ebbighausen.

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.

Ph 322, 323. **Analytical Mechanics.** 4 hours each term, winter and spring.

Statics, dynamics of a particle, dynamics of rigid bodies. 4 lectures. Must be preceded by or accompanied by calculus. Norris.

Ph 369, 370, 371. **Architectural Physics.** 1 hour each term.

Physical principles involved in heating, ventilation, illumination, acoustics, etc. Correlated with Construction V (AA 369, 370, 371). 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.

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.

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.

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.** Terms and hours to be arranged.

Ph 503. **Thesis.** Terms and hours to be arranged.

Ph 505. **Reading and Conference.** Terms and hours to be arranged.

Ph 507. **Seminar.** Terms and hours to be arranged.

Theory of Relativity.
Quantum Theory of Radiation.
Nuclear Physics.
Physics of Solids.
Conduction of Heat.

Ph 511, 512, 513. **Theoretical Mechanics.** 3 hours each term.

Lagrange's equations; Hamilton's principles and equations; potential theory; applications to gravitation, electricity and magnetism, hydrodynamics, and theory of elasticity. 3 lectures. Norris.

Ph 520. **Advanced Thermodynamics.** 4 hours.

Advanced thermodynamics, relation of thermodynamics to statistical mechanics, application to specific heats, properties of steam, and radiation. Caswell.

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. Caswell, Starr.

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. Caswell.

Political Science

PROFESSORS: E. L. JOHNSON (department head), BARNETT (emeritus), WALDO SCHUMACHER.

ASSOCIATE PROFESSOR: HERMAN KEHRLI.

INSTRUCTOR: F. V. CAHILL*.

THE courses in political science are designed to encourage independent thinking about political problems and to promote intelligent citizenship and effective participation in public affairs, through the critical study of the organization and practical operation of American, European, and international governments.

* On leave of absence 1945-46.

Training for Public Service. There is a growing demand in governmental agencies for university graduates with training in political science and related social sciences. Only superior students with sound preparation can qualify for desirable positions. The curriculum of the Department of Political Science seeks to provide the nucleus of a strong program of study to prepare students for careers in public service and administration. It also seeks to provide instruction which will help orient and broaden the understanding of technically and professionally trained students in all fields who intend to enter the employment of Federal, state, or local governments.

In the freshman and sophomore years, the student's program should include basic courses in American government, economics, psychology, history, sociology, and geography. Statistics and accounting are tools of administration, knowledge of which will be an asset in public service. Those who wish to take courses in statistics are advised to enroll for college mathematics during their freshman or sophomore year.

DESCRIPTION OF COURSES

LOWER-DIVISION COURSE

PS 201, 202, 203. **American Governments.** 3 hours each term.

Fall and winter: national and state governments. Spring: state and local governments. Schumacher.

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. **British Government.** 3 hours fall.

Organization and operation of the national government, with special attention to the relations between Parliament and the executive; local government in England. Schumacher.

PS 327. **Comparative Government: Democracies.** 3 hours winter.

Study of the governments of Canada, Australia, New Zealand, South Africa, Switzerland, and Sweden. Brief attention to India and Ireland, and other parts of the British Empire. Schumacher.

PS 328. **Comparative Government: Dictatorships.** 3 hours spring.

Study of dictatorial government in Germany, Russia, Italy, and Japan. The philosophy and organization of the one-party state.

PS 403. **Thesis.** Terms and hours to be arranged.

PS 405. **Reading and Conference.** Terms and 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. Johnson.

- PS 414. **Political Parties and Election Problems.** (G) 4 hours spring.
The nature, organization, and operation of political parties; election and recall of officers; proportional representation; initiative and referendum; civil-service reform. Schumacher.
- PS 417. **International Relations.** (G) 4 hours fall.
The nature and history of international relations. Schumacher.
- PS 418. **World Politics.** (G) 4 hours winter.
Political and economic realities affecting international interdependence, conflict, and cooperation. Schumacher.
- 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 between nations. Schumacher.
- 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. Johnson.
- PS 427. **Foreign Service of the United States.** (G) 3 hours fall.
Organization, functions, and activities of the Department of State, and of our diplomatic and consular agencies. Comparisons with the foreign services of other countries. Prerequisite: PS 201, 202, 203 or equivalent. Schumacher.
- PS 431. **History of European Political Theory.** (G) 3 hours fall.
A chronological treatment of the development of political theories from the time of the Greeks to the present.
- PS 432. **Contemporary Political Theory.** (G) 3 hours spring.
Study of the main concepts of political theory, mostly from the works of modern writers.
- PS 433. **History of American Political Theory.** (G) 3 hours winter.
A chronological treatment of the development of American political theories from early colonial days to the present.
- 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. Johnson.
- PS 484. **Constitutional Law.** (G) 4 hours fall.
Study of the Federal Constitution as interpreted by the courts. Chiefly a discussion of leading cases. Barnett.

GRADUATE COURSES

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

- PS 501. **Research.** Terms and hours to be arranged.
- PS 503. **Thesis.** Terms and hours to be arranged.
- PS 505. **Reading and Conference.** Terms and hours to be arranged.
- PS 507. **Seminar.** Terms and hours to be arranged.

Psychology

PROFESSORS: H. R. TAYLOR (department head), A. R. MOORE.
ASSOCIATE PROFESSORS: L. F. BECK, H. R. CROSLAND, R. W. LEEPER.
ASSISTANT PROFESSORS: D. L. ADLER, H. C. MCMURTRY, LEONA E. TYLER.
INSTRUCTOR: R. C. MYERS.
ASSISTANTS: JEANNA C. GRAY, J. C. O'NEILL, DONNA L. WILSON*.

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, on petition to the Academic Requirements Committee, 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, with varying requirements:

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);

* Resigned Dec. 31, 1945.

Personnel Procedures (Psy 463). Recommended: Clinical Methods in Psychology (Psy 431, 432); Counseling Procedures (Psy 433); Psychometrics (Psy 443).

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.

DESCRIPTION OF COURSES

LOWER-DIVISION COURSES

- Psy 201, 202. **General Psychology.** 3 hours each term.
Introductory study of behavior and conscious processes. Survey of experimental studies with reference to motivation, learning, thinking, perceiving, and individual differences. Crosland, Leeper, 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, Taylor.
- Psy 208, 209, 210. **General Psychology Laboratory.** 1 hour each term.
Introduction to experimental methods. Laboratory work coordinated with Psy 201, 202; Psy 204; Psy 205. One 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 processes involved in various forms of group behavior. Particular attention to origin, function, ideologies, membership, and leadership. Prerequisite: Psy 201, 202 or Soc 204, 205. Myers.
- Psy 336. **Character and Personality.** 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 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.** Terms and hours to be arranged.
Special individual work on a selected problem; training in methods of research.
- Psy 403. **Thesis.** Terms and hours to be arranged.
Undergraduate thesis work; recommended for majors; required for students following the professional pattern of study.
- Psy 405. **Reading and Conference.** Terms and 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. Adler.
- 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. Adler.
- 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 1946-47. 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; emphasis on use of projective techniques and interpretation of test results. Evaluation of counseling programs. Opportunities for field work. Prerequisite: Psy 431, 432, Psy 336; or equivalent. Tyler.
- Psy 443. **Psychometrics.** (G) 2 hours spring.
Principles underlying the construction, validation, and standardization of psychological tests and rating 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 1946-47. 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 1946-47. Taylor.
- Psy 461. **Psychology of Testimony.** (G) 3 hours fall.
Psychological analysis of the reliability of testimony and proof of guilt. Not offered 1946-47. Crosland.
- Psy 462. **Industrial Psychology.** (G) 2 hours winter.
Principles underlying job analysis and vocational selection; research studies of accidents, fatigue, and monotony; industrial motivation. Prerequisite: Psy 341, 342; or Mth 325, 326; or Ed 515. Taylor.
- Psy 463. **Personnel Procedures.** (G) 2 hours spring.
Use of tests and ratings in the selection of employees; job classifications and methods of evaluating service; practice in the selection of appropriate tests. Prerequisite: Psy 201, 202; Psy 204 or 205. Taylor.
- Psy 465. **Motivation.** (G) 2 hours spring.
Review of changing conceptions of motivation, particularly as a result of physiological studies, experimental work in animal behavior, and the contributions of topological psychology. Not offered 1946-47. 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 1946-47. 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.** Terms and hours to be arranged.
- Psy 502. **Research Symposium.** Terms and hours to be arranged.
Reports of original investigations by students and staff members; reviews of current research in related fields.

- Psy 503. **Thesis.** Terms and hours to be arranged.
- Psy 505. **Reading and Conference.** Terms and hours to be arranged.
- Psy 507. **Seminar.** Terms and hours to be arranged.
Abnormal Psychology. Beck.
Experimental Psychology. Crosland.
Genetic Psychology. Beck.
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. Topic for 1946-47: central nervous system. 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 of memory contents, etc. Practice in methodology if desired. Crosland.
- Psy 518. **Association.** 2 hours spring.
Association psychology, presented from the point of view of practical psychology, of the general psychological significance of the concept, or of its history—determined by student interest. Research experience if desired. Crosland.

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.

DESCRIPTION OF COURSES

LOWER-DIVISION COURSES

- R 101, 102, 103. **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.

Romance Languages

PROFESSORS: R. P. BOWEN (department head), C. B. BEALL*, L. O. WRIGHT.

ASSOCIATE PROFESSORS: B. C. FRIEDL, D. G. SAMUELS.

ASSISTANT PROFESSORS: C. L. JOHNSON, ANNA M. THOMSON (emeritus), ANIBAL VARGAS-BARÓN.

INSTRUCTORS: CHRISTINA A. CRANE, M. E. LÓPEZ, P. J. POWERS, L. E. RICHTER.
ASSISTANT: G. D. SCHADE.

STUDENTS who enter with one unit of high-school French or Spanish and wish to continue the study of the language should register for First-Year French or First-Year Spanish. Students entering with two units of high-school credit in one of the languages should register for the second-year sequence, and those entering with three units should register for the third-year sequence.

Major students in Romance languages take either: (1) a minimum of 30 term hours of upper-division courses in French with as many courses in Spanish or Italian as they wish; or (2) a minimum of 24 hours of upper-division courses in Spanish with as many courses in French or Italian as they wish. Students will find Latin helpful in the study of Romance languages.

The curriculum of the department is planned to provide specialized training for majors, to meet the cultural needs of nonmajor students, and to satisfy the language requirements of other fields and vocations.

FRENCH

LOWER-DIVISION COURSES

- RL 1, 2, 3. **First-Year French.** 4 hours each term.
Grammar, pronunciation, composition, conversation. Translation of easy French prose and poetry. Bowen, Crane, Friedl, Johnson.

* On leave of absence, winter and spring terms, 1945-46.

- RL 4, 5, 6. **Second-Year French.** 4 hours each term.
Review of grammar, composition, conversation; translation of modern French authors. Crane, Johnson.
- 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 entering in winter term. Friedl.
- RL 201, 202, 203. **French Literature.** 3 hours each term.
Third year. Reading of masterpieces of various periods. A general review of French literature. Crane.
- RL 204, 205, 206. **Seventeenth-Century French Literature.** 3 hours each term.
Reading of representative works of Corneille, Molière, Racine, LaFontaine, Madame de Sévigné, Pascal, and Descartes. Johnson.

UPPER-DIVISION COURSES

- RL 305. **Readings in Romance Languages.** Terms and hours to be arranged.
- RL 311, 312, 313. **French Literature.** 3 hours each term.
Third year. Reading of masterpieces of various periods. A general review of French literature. Not open to students who have taken RL 201, 202, 203. Crane.
- RL 314, 315, 316. **French Composition and Conversation.** 2 hours each term.
Meets on alternate days with RL 311, 312, 313. Johnson.
- RL 317, 318, 319. **Intermediate French Composition.** 2 hours each term.
Includes phonetics. Prerequisites: RL 314, 315, 316. Bowen.
- RL 320, 321, 322. **French Pronunciation and Phonetics.** 2 hours each term.
Reading and dictation. Johnson.
- RL 403. **Thesis.** Terms and hours to be arranged.
For students reading for honors in Romance languages.
- RL 405. **Readings in Romance Languages.** Terms and hours to be arranged.
- RL 411, 412, 413. **Seventeenth-Century French Literature.** (G) 3 hours each term.
Reading of representative works of Corneille, Molière, Racine, La Fontaine, Madame de Sévigné, Pascal, and Descartes. Not open to students who have taken RL 204, 205, 206. Johnson.
- RL 417, 418, 419. **Nineteenth-Century French Novel.** (G) 3 hours each term.
Required of major students in French. Bowen.
- RL 420, 421, 422. **Modern French Drama and Poetry.** (G) 3 hours each term.
Johnson.
- 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. Johnson.

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 in Romance Languages.** Terms and hours to be arranged.
- RL 507. **French Seminar.** Hours to be arranged.

- RL 511, 512, 513. **Nineteenth-Century French Literature.** 3 hours each term. Bowen.
- RL 514, 515, 516. **Eighteenth-Century French Literature.** 3 hours each term. Beall.
- RL 517, 518, 519. **Sixteenth-Century French Literature.** 3 hours each term. Beall.
- RL 538, 539, 540. **Old French Readings.** 2 hours each term. Johnson.

ITALIAN

LOWER-DIVISION COURSES

- RL 31, 32, 33. **First-Year Italian.** 3 hours each term. Grammar, composition, and translation of modern authors. Beall.
- RL 34, 35, 36. **Second-Year Italian.** 3 hours each term. Reading of modern authors. Composition. Beall.

UPPER-DIVISION COURSES

- RL 371, 372, 373. **Third-Year Italian.** 2 hours each term. Reading of selections from representative works of great authors. Reports. Outline of Italian literature. Beall.
- RL 474, 475, 476. **Fourth-Year Italian.** (G) 2 hours each term. Emphasis upon the classical writers. Beall.
- AL 477, 478, 479. **Dante and His Times.** (G) 3 hours each term. For description see page 97. Beall.

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 in Romance Languages.** Terms and hours to be arranged

PORTUGUESE

UPPER-DIVISION COURSES

- RL 391, 392, 393. **Elementary Portuguese.** 2 hours each term. Readings of Portuguese prose and poetry. Bowen.
- RL 491, 492, 493. **Second-Year Portuguese.** 2 hours each term. Advanced course in the language and literature of Portugal and Brazil. Review of grammatical forms; reading and composition. Bowen.

SPANISH

LOWER-DIVISION COURSES

- RL 11, 12, 13. **First-Year Spanish.** 4 hours each term. Translation of common prose, conversation, composition, and grammar. Beall, López, Power, Richter, Samuels, Wright.
- RL 14, 15, 16. **Second-Year Spanish.** 4 hours each term. Review of grammar, composition, conversation; translation of modern Spanish authors. López, Samuel, Vargas-Barón, Wright.

- 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 entering in winter term. Richter.
- RL 207, 208, 209. **Spanish Literature.** 3 hours each term. Third year. Reading of masterpieces of various periods. A general survey of Spanish literature. Vargas-Barón, Wright.

UPPER-DIVISION COURSES

- RL 341, 342, 343. **Spanish Literature.** 3 hours each term. Third year. Reading of masterpieces of various periods. A general survey of Spanish literature. Not open to students who have taken RL 207, 208, 209. Vargas-Barón, Wright.
- RL 347, 348, 349. **Spanish Composition and Conversation.** 2 hours each term. Vargas-Barón.
- RL 350, 351, 352. **Advanced Spanish Composition.** 2 hours each term. Prerequisite: RL 347, 348, 349. Wright.
- RL 353, 354, 355. **Commercial Spanish.** 2 hours each term. Spanish commercial correspondence, business forms, industrial readings, conversation. Study of Latin-American countries. Prerequisite: RL 14, 15, 16, or three years of high-school Spanish.
- RL 438, 439, 440. **Nineteenth-Century Spanish Literature.** (G) 3 hours each term.
- RL 441, 442, 443. **Modern Spanish Literature.** (G) 3 hours each term. The material covered includes twentieth-century literature. Either RL 441, 442, 443 or RL 444, 445, 446 required of students majoring in Spanish. López.
- RL 444, 445, 446. **Spanish-American Literature.** (G) 3 hours each term. Either RL 444, 445, 446 or RL 441, 442, 443 required of students majoring in Spanish. Vargas-Barón.
- RL 450, 451, 452. **Sixteenth- and Seventeenth-Century Spanish Literature.** (G) 3 hours each term. Powers.

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 in Romance Languages.** Terms and hours to be arranged.
- RL 508. **Spanish Seminar.** Hours to be arranged.
- RL 535, 536, 537. **Old Spanish.** 2 hours each term. Wright.

ROMANCE PHILOLOGY

GRADUATE COURSES

- RL 520, 521, 522. **Romance Philology.** 2 hours each term. Bowen.
- RL 523, 524, 525. **Vulgar Latin and Old Provençal.** 2 hours each term. Wright.

Sociology

PROFESSORS: E. H. MOORE (department head), S. H. JAMESON.
 ASSISTANT PROFESSOR: J. R. PARSONS.
 INSTRUCTOR: R. C. MYERS.

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 contribute to training in citizenship by giving the student an understanding of the principles that govern human associations and relationships. Particular attention is paid to 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 sociology. Sociology majors should take Introduction to Social Research (Soc 327) and Elements of Statistical Methods (Mth 325). Students who plan to do graduate work and research in sociology are advised to take college algebra during their freshman or sophomore year. Majors should consult their advisers in the Department of Sociology concerning additional requirements.

DESCRIPTION OF COURSES

LOWER-DIVISION COURSES

Soc 204, 205, 206. **General Sociology.** 3 hours each term.
 Analysis of social organization and culture; social changes and movements as affected by culture and by biological and physical environmental factors. Prerequisite to most upper-division courses in sociology. Jameson, Moore, Myers, Parsons.

UPPER-DIVISION COURSES

- Soc 305. **Reading and Conference.** Terms and hours to be arranged.
- Soc 327. **Introduction to Social Research.** 3 hours spring.
 The development of scientific social research. An introduction to selected research projects in current sociological literature from the standpoint of methodology. Prerequisite: Soc 204, 205, 206. Myers.
- Soc 334, 335. **Social Psychology.** 3 hours each term, fall and winter.
 Analysis of the psychological processes involved in various forms of group behavior. Particular attention to origin, function, ideologies, membership, and leadership. Prerequisite: Soc 204, 205 or Psy 201, 202. Myers.
- Soc 336. **Social Interaction.** 3 hours.
 Nature of contacts and reciprocal give-and-take processes among various groups and types of human beings; social processes and consequent results on the interacting persons and groups. Jameson.
- Soc 337. **Problems of Child Welfare.** 3 hours spring.
 The child as seen in his own home and in the substitute home; the responsibilities assumed by the state for children historically and in present practices; the handicapped child; child labor. Parsons.

- 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, or consent of instructor. Myers.
- Soc 339. **Poverty and Dependency.** 3 hours winter.
 The underlying causes of poverty; development of public and private agencies for the amelioration or elimination of poverty. Moore.
- Soc 361. **Sociology of Religion.** 3 hours.
 The relation of religion to the development of other social institutions and to contemporary social problems. Jameson.
- Soc 403. **Thesis for Honors Candidates.** Terms and hours to be arranged.
- Soc 405. **Reading and Conference.** Terms and hours to be arranged.
- Soc 415. **Criminology.** (G) 3 hours fall.
 The nature of crime, with specific reference to the causative factors involved; visits to penal and rehabilitative institutions required. Prerequisite: Soc 204, 205, 206 or elementary psychology, or consent of instructor. Jameson.
- Soc 416. **Penology.** (G) 3 hours spring.
 Theories underlying punishment. The role of the police and the courts. The history of penal treatment. A comparative approach to recent penal developments in America, Europe, and Asia. The professionalization of the penal service. Moore.
- Soc 417. **Juvenile Delinquency.** (G) 3 hours winter.
 Nature and extent of delinquent behavior; contributing factors; current preventive programs and rehabilitating agencies. Prerequisite: Soc 204, 205, 206 or Soc 415, or consent of instructor. Jameson.
- Soc 420. **Social Control.** (G) 3 hours spring.
 Techniques and agencies of control by which the behavior of crowds, classes, associations, and publics is consciously directed toward desired ends. Prerequisite: Soc 204, 205, 206. Myers.
- Soc 421. **Principles of Social Legislation.** (G) 3 hours winter.
 Historical and critical analysis of the programs of legislative control in the fields of social welfare. Jameson.
- Soc 422. **Social Disorganization.** (G) 3 hours spring.
 Concept of disorganization in sociological literature. Genesis, status, and problems of disorganized personalities in an organized society. Prerequisite: Soc 336 or Psy 413, or consent of instructor. Jameson.
- Soc 424. **Methods of Social Work.** 3 hours fall.
 Introduction to social work for students with professional interests; history of social work and current philosophies; the fields of case work, group work, community organization, and social action; qualifications for and training of social workers. Parsons.
- Soc 426. **Public Welfare.** 3 hours winter.
 The field of public welfare as an extension of governmental responsibility; those needing care; services provided; history of social welfare; scope and principles. Parsons.
- Soc 431. **Community Organization.** (G) 3 hours winter.
 The problems and tasks confronting the social worker, the teacher, and the layman in developing community services; the place of public and private agencies in the program, on boards of directors, etc.; financing; current proposals. Parsons.

- Soc 432. **Sociology of Rural Life.** (G) 3 hour spring.
Evolution of the American rural community; comparison with European rural communities; influence of mobility, land policies, and redistribution of functions on rural life and culture.
- Soc 433. **Sociology of the City.** (g) 3 hours fall.
Problems arising from the concentration of population under the complex conditions of modern urban life. Origin and development of cities; social and political approaches to the concept of the city; principles of city growth.
- 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 informal mobility. Moore.
- Soc 437. **Sociology of Race Relations.** (G) 3 hours winter.
Human migrations in recent years, and the consequent development of "race consciousness." Emphasis on race relations as a sociological concept in the general struggle for collective and personal status. Jameson.
- Soc 447. **Methods of Social Research.** 3 hours winter.
The class plans and carries through to completion a research project designed to give experience in the various phases of actual research. Prerequisite: Soc 204, 205, 206; Mth 325 or equivalent. Moore.
- Soc 448. **Social Analysis.** (G) 2 hours spring.
Study of the theoretical premises, methods, techniques, and conclusions of research selected from sociological literature. Prerequisite: Soc 447 or equivalent. Moore.
- Soc 450, 451, 452. **History of Social Thought.** (G) 3 hours each term.
Conceptions of the nature and functions of society from early times to the twentieth century; emergence of sociological thought in the nineteenth century. Social thought to Spencer and Ward. Jameson.
- Soc 453. **Contemporary Sociological Theories.** (G) 3 hours spring.
European and American sociological literature after Spencer and Ward. Special attention to trends in the formation of sociological "schools." Interpretation of current sociological theories. Moore.
- Soc 454. **Principles of Sociology.** (G) 3 hours fall.
Fundamental current concepts of sociology; emphasis on attempts of precision and standardization. Open to seniors and graduate students. Jameson.

GRADUATE COURSES

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

- Soc 501. **Research.** Terms and hours to be arranged.
- Soc 503. **Thesis.** Terms and hours to be arranged.
- Soc 505. **Reading and Conference.** Terms and hours to be arranged.
- Soc 507. **Seminar.** 3 hours any term.

School of Architecture and Allied Arts

EYLER BROWN, M.Arch., Acting Dean of the School of Architecture and Allied Arts.

†ELLIS FULLER LAWRENCE, M. S., F. A. I. A., Dean of the School of Architecture and Allied Arts.

PERCY PAGET ADAMS, A. B., B. S., Assistant Dean of the School of Architecture and Allied Arts.

FRANCES S. NEWSOM, Acting Art Librarian.

DORRIS LAYNE, Secretary.

PROFESSORS: P. P. ADAMS, F. T. HANNAFORD, E. F. LAWRENCE†, A. L. PECK, A. M. VINCENT, W. R. B. WILLCOX (emeritus).

ASSOCIATE PROFESSORS: VICTORIA AVAKIAN, W. S. BALDINGER, EYLER BROWN, F. A. CUTHBERT*, BROWNELL FRAISER, W. S. HAYDEN, MAUDE I. KERNS, N. B. ZANE‡.

ASSISTANT PROFESSOR: DAVID MCCOSH.

INSTRUCTORS: HARLOW HUDSON, G. S. JETTE, ARTHUR RIEHL*, SAVERINA G. SMITH, JEAN L. SUTHERLAND, E. K. TRUE*, LILYANN VEATCH, JACK WILKINSON.

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. There are no special requirements for admission to the school beyond the general University requirements listed under ADMISSION. 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, 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: five-year curricula in architectural design and in interior design, leading to the Bachelor of Architecture degree; a four-year curriculum in structural design in architecture, leading to the Bachelor of Science degree, offered in cooperation with the School of Engineering at Oregon State College; a five-year curriculum in landscape architecture, leading to the Bachelor of Landscape Architecture degree; a

* On leave for civilian war service.

† Deceased Feb. 27, 1946.

‡ Deceased Nov. 18, 1945.

five-year curriculum in art education, leading to the Bachelor of Arts or Bachelor of Science degree and to state certification; four-year curricula, leading to the Bachelor of Arts or Bachelor of Science degree, in drawing and painting, sculpture, and general art.

Students majoring in architectural design, in interior design, or in landscape architecture may obtain a Bachelor of Arts or Bachelor of Science degree (in addition to the professional degree) by completing the University requirements for these degrees. Such students must, however, complete at least 45 term hours after receiving the first bachelor's degree before the second will be awarded.

In cooperation with the School of Education, special courses are offered for students who intend to become teachers of art.

Work leading to the following advanced degrees is offered under the direction of the Graduate Division 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 DIVISION.

The following regulations govern the professional curricula leading to the Bachelor of Architecture degree, and the awarding of the degree.

(1) Trigonometry and an approved course in physics are prerequisite for Construction III (AA 320, 321, 322).

(2) A student may obtain each year credits in excess of those called for in the curricula outlined below, 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.

(3) 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 curriculum, 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.

(4) A student may take three 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.

(5) The five-year curriculum is planned for students of average preparation and ability. Students with superior preparation and ability may, through examination as provided under Rule 2, or by presenting work in design as provided under Rule 6, complete the required number of hours of professional work and graduate in less than five years.

(6) Before the professional degree in architectural design is granted, the student must receive a passing grade in each division of design. By special permission of the dean, a student may be allowed to do the work required in the courses in architectural 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.

The rules printed above (with the omission of Rule 1) also govern the professional curriculum leading to the Bachelor of Landscape Architecture degree and the awarding of the degree.

Architectural Design. In order that the student may be brought in touch with his professional work and co-workers as early as possible, the study of architectural design is begun in the freshman year. In the freshman year the student becomes familiar with the elementary factors of design through the execution of architectural problems and through lectures on design concepts by members of the faculty. In the sophomore year emphasis is placed on problems involving particular site situations and particular needs of people and society, and on specific space provisions for the satisfaction of these needs. In the third, fourth, and fifth years, the student executes problems of increasing magnitude and complexity. The five-year program is planned as a continuous experience,

and is correlated with work in landscape architecture, interior design, and structural design.

All design problems are assigned individually. The teaching methods employed are intended to place emphasis on integrity of thought and expression, on stimulation of a spirit of cooperation, and on development of individuality.

All work is executed in the drafting room, where individual desks are assigned to students. The student confers with members of the faculty as he progresses toward the solution of his particular problem; through these individual discussions he is encouraged to see his problem and the general problems of design from a variety of points of view.

Because of the special nature of work in design, it is impossible to fix the amount of time necessary for the completion of projects required. The nominal time is five years. More or less time may be necessary, according to the student's preparation and ability.

Credits are calculated according to the amount of work accomplished; each problem is assigned a definite credit value.

Interior Design. Instruction in interior design is closely correlated with the work in architectural design and with the related arts. The lower-division curriculum differs little from the lower-division curriculum in architectural design, except for an introductory course in the basic elements of the special field.

In the three years of upper-division work, the student is assigned problems in interior planning. Emphasis is placed on the development of individuality and upon a spirit of cooperation. All teaching is through individual criticism. Individual creative design is expected of the student. Credit is given in accordance with the amount and quality of work done.

The student works in the same drafting rooms and is closely associated throughout the five years of the curriculum with students and instructors in architecture and landscape architecture.

Structural Design. The student following the curriculum in structural design in architecture takes two years of work in the School of Architecture and Allied Arts at the University; at the beginning of his junior year, he transfers to Oregon State College to complete the last two years of the four-year curriculum in the School of Engineering.

Landscape Architecture. The instruction in landscape architecture is closely correlated with work in art and in architectural design. The classrooms and drafting quarters for landscape architecture are in the same building with those for art and architecture, so that from the beginning of their professional training students are closely associated with co-workers in related arts.

The campuses of the University of Oregon and Oregon State College are ideal out-of-door living laboratories for the study of plant materials and landscape design.

A major in landscape architecture takes one year of his professional training at the State College, studying plant material, plant propagation, soils, surveying, and other practical phases of the profession. The student who does his lower-division work at the University spends the third year at Corvallis, and returns to Eugene for the last two years of the curriculum. A student may, however, spend his first two years at the State College, completing during these years the required professional work offered at Corvallis, and transfer to the University for the last three years of professional work. Curricula for students who begin at Eugene and for those who begin at Corvallis are printed on pages 165-166.

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. A total of 93 term hours of work in drawing and painting is required for a bachelor's degree with a major in this field.

Sculpture. All work is executed in the sculpture studios under the personal direction and criticism of the instructor. The curriculum for students of sculpture includes work in drawing, painting, anatomy, composition, and design, in addition to instruction in sculpture, modeling, and casting. The suggested curriculum printed on pages 167-168 is not mandatory in details. Deviations consistent with the general regulations of the University and the standards of the school may be made with the consent of the instructor.

Art Education. The curriculum in art education prepares students for supervision and teaching of art in the junior and senior high schools. The courses are designed to develop an appreciation of the beautiful, and to give freedom, spontaneity, and power of original self-expression in design, and some understanding of the designs and processes of the applied arts and crafts.

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

*Architectural Design—Interior Design—Structural Design—Landscape Architecture
Drawing and Painting—Sculpture—Art Education—General Art*

Suggested Curriculum in Architectural Design

B. Arch. Degree

MR. HAYDEN, Adviser

First Year

	Term hours		
	F	W	S
Graphics I (AA 111, 112, 113).....	2	2	2
Lower-Division Drawing (AA 291).....	1	1	1
Architectural Modeling (AA 154, 155, 156).....	1	1	1
Lower-Division Architectural Design (AA 297).....	1-2	1-2	1-2
Construction I (AA 120).....	1	1	1
Landscape Architecture (LA 117, 118, 119).....	1	1	1
Group requirement (mathematics).....	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
	15-16	15-16	16-17

Second Year

	Term hours		
	F	W	S
Graphics II (AA 211, 212, 213).....	2	2	2
Lower-Division Architectural Design (AA 297 continued).....	1-2	1-2	1-2
Lower-Division Drawing (AA 291).....	2	2	2
Lower-Division Landscape Design (LA 290).....	1-2	1-2	1-2
Construction II (AA 220, 221, 222).....	1	1	1
Introductory Geography (Geo 105, 106, 107).....	3	3	3
Essentials of Physics (Ph 101, 102, 103; Ph 104, 105, 106).....	3	3	3
Physical Education.....	1	1	1
Military Science (men).....	1	1	1
	15-17	15-17	15-17

Third Year

Architectural History I (AA 337, 338, 339).....	3	3	3
Construction III (AA 320, 321, 322).....	3	3	3
Upper-Division Architectural Design (AA 497).....	4	4	4
Upper-Division Drawing (AA 491).....	1	1	1
Plane Surveying (AA 217, 218, 219).....	2	2	2
Domestic Architecture I (AA 311, 312, 313).....	1-2	1-2	1-2
Electives.....	3	3	3
	17-18	17-18	17-18

Electives recommended: Introduction to Philosophy; Lower-Division Composition; Background of Social Science; psychology; World History; economics; foreign languages.

Fourth Year

Architectural History II (AA 340, 341, 342).....	2	2	2
Construction IV (AA 323, 324, 325).....	2	2	2
Construction VI (AA 420, 421, 422).....	2	2	2
Upper-Division Architectural Design (AA 497 continued).....	6	6	6
Upper-Division Drawing (AA 491 continued).....	1	1	1
Architectural Practice (AA 329, 330, 331).....	1	1	1
Electives.....	2	2	2
	16	16	16

Electives recommended: literature; painting; sculpture.

Fifth Year

Upper-Division Architectural Design (AA 497 continued).....	10	10	10
City Planning I (LA 353, 354, 355).....	2	2	2
Upper-Division Drawing (AA 491 continued).....	1	1	1
Architectural Physics (Ph 369, 370, 371).....	1	1	1
Construction V (AA 369, 370, 371).....	2	2	2
	16	16	16

Suggested Curriculum in Interior Design

B. Arch. Degree

MISS FRASIER, Adviser

First Year

Interior-Design Elements (AA 223, 224, 225).....	2	2	2
Graphics I (AA 111, 112, 113).....	2	2	2
Architectural Drawing (AA 191) or Architectural Modeling (AA 154, 155, 156).....	1	1	1
Lower-Division Architectural Design (AA 297).....	1	1	2
Construction I (AA 120).....	3	3	3
Survey of Creative Arts (AA 114, 115, 116).....	3	3	3
Group requirement.....	3	3	3
English Composition (Rht 111, 112, 113).....	1	1	1
Military Science (men) or Health Education (women).....	1	1	1
Physical Education.....	1	1	1
	17	17	19

	Second Year		
	Term hours		
	F	W	S
Graphics II (AA 211, 212, 213).....	2	2	2
Lower-Division Drawing (AA 291), or Architectural Rendering (AA 214, 215, 216), or Architectural Modeling (AA 154, 155, 156).....	1-2	1-2	1-2
Lower-Division Architectural Design (AA 297 continued).....	2	2	2
Landscape Architecture (LA 117, 118, 119).....	1	1	1
Group requirements and electives.....	6	6	6
Military Science (men).....	1	1	1
Physical Education.....	1	1	1
	14-15	14-15	14-15

Electives recommended: mathematics; foreign language; English; science (geology or biology); General Psychology.

	Third Year		
	Term hours		
	F	W	S
Drawing, Modeling, or Painting.....	2-3	2-3	2-3
Upper-Division Interior Design (AA 498 continued).....	6	6	6
Architectural History IV (AA 356, 357, 358).....	2	2	2
Lower-Division Applied Design (AA 296).....	2	2	2
Architectural History I (AA 337, 338, 339).....	3	3	3
Electives.....	3	3	3
	16-17	16-17	16-17

Electives as recommended above, with the addition of Aesthetics and Introduction to Philosophy.

	Fourth Year		
	Term hours		
	F	W	S
Drawing or Painting.....	2	2	2
Upper-Division Interior Design (AA 498 continued).....	6	6	6
Domestic Architecture I (AA 311, 312, 313).....	2	2	2
Upper-Division Applied Design (AA 496).....	2	2	2
Architectural History II (AA 340, 341, 342).....	2	2	2
Electives.....	3	3	3
	17	17	17

Electives as recommended above.

	Fifth Year		
	Term hours		
	F	W	S
Upper-Division Interior Design (AA 498 continued).....	10	10	10
Technique and Practice (AA 465, 466, 467).....	5	5	5
Civilization and Art Epochs (AA 446, 447, 448).....	2	2	2
	17	17	17

Suggested Curriculum in Structural Design in Architecture

B.S. Degree

MR. HANNAFORD, Adviser at University
MR. MOCKMORE, Adviser at State College

First Year (University)			
	F	W	S
Graphics I (AA 111, 112, 113).....	2	2	2
Lower-Division Drawing (AA 291), or Architectural Modeling (AA 154, 155, 156).....	1	1	1
Lower-Division Architectural Design (AA 297).....	1	1	2
Construction I (AA 120).....	4	4	4
Freshman mathematics.....	3	3	3
Group requirement.....	3	3	3
English Composition (Rht 111, 112, 113).....	1	1	1
Military Science (men) or Health Education (women).....	1	1	1
Physical Education.....	1	1	1
	16	16	18

Electives recommended: chemistry; geology; social science; foreign language.

	Second Year (University)		
	Term hours		
	F	W	S
General Physics (Ph 201, 202, 203).....	4	4	4
Calculus (Mth 201, 202, 203).....	4	4	4
Lower-Division Architectural Design (AA 297).....	2	2	2
Construction II (AA 220, 221, 222).....	1	1	1
Military Science (men).....	1	1	1
Physical Education.....	1	1	1
Electives.....	2	2	2
	15	15	15

Third Year (State College)			
	F	W	S
Plane Surveying (CE 221, 222, 223).....	3	3	3
Strength of Materials (CE 351, 352).....	3	3	-
Structural Analysis (CE 382).....	-	4	-
Reinforced Concrete (CE 383).....	-	-	4
Materials of Engineering (ME 216).....	3	-	-
Materials Testing Laboratory (ME 316).....	-	3	-
Practical Electricity (IA 370).....	3	-	-
Welding Practice (IA 250).....	-	-	1
Forging and Welding (IA 250).....	-	-	2
Electives.....	5	3	6
	17	16	16

Fourth Year (State College)			
	F	W	S
Structural Engineering (CE 481), Structural Design (CE 482).....	4	4	-
Building Design (CE 483).....	-	-	4
Masonry and Foundations (CE 472).....	-	4	-
Fluid Mechanics (CE 311).....	3	-	-
Estimating and Cost Analysis (CE 460).....	-	-	3
Steam, Air, and Gas Power (ME 346).....	-	-	3
Industrial Electricity (EE 356).....	3	-	-
Electives.....	7	9	6
	17	17	16

Suggested Curriculum in Landscape Architecture

B.L.A. Degree

MR. JETTE, Adviser at University
MR. PECK, Adviser at State College

(Work in a foreign language is not required for the Bachelor of Landscape Architecture degree. Students wishing to earn the Bachelor of Arts degree take a modern foreign language during their freshman and sophomore years, and complete group requirements in language and literature or in social science in the fourth year of the curriculum.)

FOR STUDENTS TAKING FIRST TWO YEARS AT UNIVERSITY

First Year (University)			
	F	W	S
Group requirement and electives.....	6	6	6
Graphics I (AA 111, 112).....	2	2	2
Lower-Division Architectural Design (AA 297).....	1	1	1
Landscape Architecture (LA 117, 118, 119).....	1	1	1
English Composition (Rht 111, 112, 113).....	3	3	3
Construction I (AA 120).....	-	-	1
Lower-Division Drawing (AA 291).....	1	1	1
Military Science (men) or Health Education (women).....	1	1	1
Physical Education.....	1	1	1
	16	16	16

Second Year (University)			
	F	W	S
General Botany (Bi 204, 205, 206).....	4	4	4
Lower-Division Drawing (AA 291 continued).....	1	1	1
Construction II (AA 220, 221, 222).....	1	1	1
Lower-Division Architectural Design (AA 297 continued).....	2	2	2
Lower-Division Landscape Design (LA 290).....	2	2	2
Military Science (men).....	1	1	1
Physical Education.....	1	1	1
Electives.....	5	5	5
	17	17	17

Third Year (State College)			
	Term hours		
	F	W	S
Plant Materials (LA 326, 327, 328).....	3	3	3
History and Literature of Landscape Architecture (LA 356, 357, 358).....	2	2	2
Plane Surveying (CE 226, 223).....	3	-	3
Maintenance and Construction (LA 359, 360, 361).....	3	3	3
Plant Propagation (Hrt 311).....	-	3	-
Soils Improvement (Sls 215).....	2	-	-
Intermediate Landscape Design (LA 390).....	3 or 3	or (3)	or (3)
Graphics II (AA 212).....	-	-	2
Electives.....	-	4	3
	16	15	16
Fourth Year (University)			
Upper-Division Landscape Design (LA 490).....	5	5	5
Construction VI (AA 421, 422).....	-	2	2
Office Practice (LA 337).....	-	2	-
Plant Composition (LA 491).....	3	3	3
City Planning I (LA 353, 354, 355).....	2	2	2
Field Practice (LA 335, 435).....	4	-	4
Group requirement in language and literature or in social science; or art and English electives.....	3	3	3
	17	17	17
Fifth Year (University)			
City Planning II (LA 492).....	2	2	2
Upper-Division Landscape Design (LA 490 continued).....	10	10	10
Architectural History I (AA 337, 338, 339).....	2-3	2-3	2-3
Electives.....	3	3	3
	17-18	17-18	17-18

Recommended electives: public speaking, City Government (PS 315), Real Estate (BA 425), Business Law (BA 416), foreign language.

FOR STUDENTS TAKING FIRST TWO YEARS AT STATE COLLEGE

First Year (State College)			
Graphics (AA 111, 112, 212).....	2	2	2
General Botany (Bot 201, 202, 203).....	3	3	3
Home Ground Planning (LA 279).....	-	3	-
History and Literature of Landscape Architecture (LA 356, 357, 358).....	2	2	2
English Composition (Eng 111, 112, 113).....	3	3	3
Lower-Division Architectural Design (AA 297).....	2	-	-
Construction (AA 120).....	-	-	1
Military Science (men) and Physical Education.....	2	2	2
Group requirement in language and literature or social science ¹	3	3	3
	17	18	16
Second Year (State College)			
Lower-Division Architectural Design (AA 297 continued).....	-	1	1
Lower-Division Landscape Design (LA 290).....	2	2	2
Plane Surveying (CE 226, 223).....	3	-	3
Plant Propagation (Hrt 311).....	-	3	-
Maintenance and Construction (LA 359, 360, 361).....	3	3	3
Plant Materials (LA 326, 327, 328).....	3	3	3
Soils Improvement (Sls 215).....	2	-	-
Military Science (men) and Physical Education.....	2	2	2
Electives.....	2	3	3
	17	17	17
Third Year (University)			
Lower-Division Architectural Design (AA 297 continued).....	2	2	2
Lower-Division Drawing (AA 291).....	3	3	3
Construction II (AA 220, 221, 222).....	1	1	1
Upper-Division Landscape Design (LA 490).....	3	3	3
Plant Composition (LA 491).....	3	3	3
Electives.....	6	6	6
	18	18	18
Fourth and Fifth Years (University)			

Same as for students beginning at University

¹ Students taking modern language will complete group requirements in the fourth year at the University.

Suggested Curriculum in Drawing and Painting

B.A., B.S. Degrees

MR. VINCENT, Adviser

First Year			
	Term hours		
	F	W	S
Lower-Division Painting (AA 290).....	2	2	2
Lower-Division Drawing (AA 291).....	2	2	2
Lower-Division Composition (AA 292).....	2	2	2
Survey of Creative Arts (AA 114, 115, 116) or language.....	3-4	3-4	3-4
English Composition (Rht 111, 112, 113).....	3	3	3
Group requirements.....	3	3	3
Military Science (men) or Health Education (women).....	1	1	1
Physical Education.....	1	1	1
	17-18	17-18	17-18
Second Year			
Lower-Division Painting (AA 290 continued).....	3	3	3
Lower-Division Drawing (AA 291 continued).....	2	2	2
Lower-Division Composition (AA 292 continued).....	2	2	2
Military Science (men).....	1	1	1
Physical Education.....	1	1	1
Group requirement and electives.....	7	7	7
	16	16	16
Third Year			
Upper-Division Painting (AA 490).....	3	3	3
Upper-Division Drawing (AA 491).....	3	3	3
Upper-Division Composition (AA 492).....	2	2	2
History of Painting (AA 346, 347, 348).....	3	3	3
Electives.....	6	6	6
	17	17	17
Fourth Year			
Upper-Division Painting (AA 490 continued).....	3	3	3
Upper-Division Drawing (AA 491 continued).....	3	3	3
Upper-Division Composition (AA 492 continued).....	3	3	3
Electives.....	7	7	7
	16	16	16

Suggested Curriculum in Sculpture

B.A., B.S. Degrees

MISS SUTHERLAND, Adviser

First Year			
Lower-Division Sculpture (AA 293).....	2	2	2
Lower-Division Drawing (AA 291).....	2	2	2
Lower-Division Sculpture Composition (AA 294).....	2	2	2
Survey of Creative Arts (AA 114, 115, 116) or foreign language.....	3-4	3-4	3-4
English Composition (Rht 111, 112, 113).....	3	3	3
Group requirements.....	3	3	3
Military Science (men) or Health Education (women).....	1	1	1
Physical Education.....	1	1	1
	17-18	17-18	17-18
Second Year			
Lower-Division Sculpture (AA 293 continued).....	3	3	3
Lower-Division Painting (AA 290).....	2	2	2
Lower-Division Drawing (AA 291 continued).....	3	3	3
Lower-Division Sculpture Composition (AA 294 continued).....	2	2	2
Military Science (men).....	1	1	1
Physical Education.....	1	1	1
Group requirements and electives.....	5	5	5
	17	17	17

	Third Year		
	Term hours		
	F	W	S
Upper-Division Sculpture (AA 493).....	4	4	4
Upper-Division Drawing (AA 491).....	3	3	3
Upper-Division Sculpture Composition (AA 494).....	2	2	2
Lower-Division Applied Design (AA 296).....	2	2	2
Electives	6	6	6
	17	17	17

Fourth Year			
Upper-Division Sculpture (AA 493 continued).....	5	5	5
Upper-Division Drawing (AA 491 continued).....	4	4	4
Upper-Division Painting (AA 490).....	2	2	2
Upper-Division Sculpture Composition (AA 494 continued).....	2	2	2
Electives	4	4	4
	17	17	17

Suggested Curriculum in Art Education

B.A., B.S. Degrees

MISS KERNS, Adviser

First Year			
Design I (AA 166, 167, 168).....	2	2	2
Lower-Division Drawing (AA 291).....	2	2	2
Color Theory (AA 163, 164, 165).....	1	1	1
Foreign language	} two of these three subjects.....	6-8	6-8
Social science			
Science			
English Composition (Rht 111, 112, 113).....	3	3	3
Physical Education (PE 180).....	1	1	1
Health Education (PE 114, 115, 116).....	1	1	1
	16-18	16-18	16-18

Second Year			
Lower-Division Sculpture (AA 293).....	2	2	2
Design II (AA 266, 267, 268).....	2	2	2
Lower-Division Applied Design (AA 296).....	2	2	2
Figure and Costume Sketch Class (AA 298).....	1	1	1
Representation I (AA 169, 170, 171).....	1	1	1
Lower-Division Painting (AA 290).....	1	1	1
Foreign language or science.....	-	-	2
General Psychology (Psy 201, 202).....	3-4	3-4	3-4
General Psychology Laboratory (Psy 208, 209).....	3	3	-
Physical Education (PE 180).....	1	1	-
Elective	1	1	1
	-	-	2
	16-17	16-17	16-17

Third Year			
Representation II (AA 269, 270, 271).....	1	1	1
Civilization and Art Epochs (AA 446, 447).....	2	2	2
Fashion Illustration (AA 391).....	2	2	2
Interior Design I (AA 380, 381, 382).....	2	2	2
Upper-Division Applied Design (AA 496).....	-	2	2
Secondary Education (Ed 311).....	-	2	2
Educational Psychology (Ed 312).....	3	-	-
Principles of Teaching (Ed 313).....	-	3	-
Oregon History (Hst 377).....	-	-	3
Oregon School Law (Ed 316).....	-	-	2
Electives	2	-	-
	4	4	4
	16	16	16

	Fourth Year		
	Term hours		
	F	W	S
Interior Design II (AA 383, 384, 385).....	2	2	2
Art Education (AA 414, 415).....	3	-	3
Lower-Division Painting (AA 290).....	2	2	-
Representation III (AA 386, 387, 388).....	1	1	1
Special Methods (Ed 408).....	-	3	-
Supervised Teaching (Ed 415).....	-	-	9
Education electives	3	3	-
Courses in second subject-preparation field.....	6	6	6
	17	17	17

Fifth Year			
Upper-Division Painting (AA 490).....	2	2	2
Lower-Division Sculpture Composition (AA 294).....	2	2	2
History of Painting (AA 346, 347, 348) or World History (Hst 204, 205, 206).....	3	3	3
Modern Educational Principles and Problems (Ed 511).....	-	-	3
Education electives	5	5	2
Courses in second subject-preparation field.....	3	5-6	5-6
Elective	2	-	-
	17	17	17

Suggested Curriculum in General Art

B.A., B.S. Degrees

MISS AVAKIAN, Adviser

Freshman Year			
Lower-Division Decorative Design (AA 295), Interior-Design Elements (AA 223, 224, 225).....	2-3	2-3	2-3
Survey of Creative Arts (AA 114, 115, 116).....	3	3	3
From the following subjects, 3 to 5 hours.....	3-5	3-5	3-5
Lower-Division Applied Design (AA 296)	}	}	}
Lower-Division Drawing (AA 291)			
Lower-Division Composition (AA 292)			
Lower-Division Sculpture (AA 293)			
Figure and Costume Sketch Class (AA 298)	3	3	3
English Composition (Rht 111, 112, 113).....	1	1	1
Physical Education	1	1	1
Military Science (men) or Health Education (women).....	1	1	1
Group requirements and electives.....	4-6	4-6	4-6
	17-22	17-22	17-22

Sophomore Year			
From the following subjects, 7 to 8 hours	7-8	7-8	7-8
Lower-Division Decorative Design (AA 295 continued)	}	}	}
Lower-Division Applied Design (AA 296 continued)			
Lower-Division Drawing (AA 291 continued)			
Lower-Division Painting (AA 290)			
Lower-Division Sculpture (AA 293 continued)			
Lower-Division Composition (AA 292 continued)			
Physical Education	1	1	1
Military Science (men)	1	1	1
Electives and group requirements.....	6-8	6-8	6-8
	15-18	15-18	15-18

Junior Year			
Civilization and Art Epochs (AA 446, 447, 448).....	2	2	2
From the following subjects, 10 to 11 hours.....	10-11	10-11	10-11
Upper-Division Decorative Design (AA 495)	}	}	}
Upper-Division Drawing (AA 491)			
Upper-Division Painting (AA 490)			
Upper-Division Sculpture (AA 493)			
Upper-Division Composition (AA 492)			
Fashion Illustration (AA 391).....	3	3	3
Electives	-	-	-
	15-16	15-16	15-16

Senior Year

	Term hours		
	F	W	S
From the following subjects, 12 to 13 hours.....	12-13	12-13	12-13
Upper-Division Decorative Design (AA 495 continued)			
Upper-Division Applied Design (AA 496)			
Upper-Division Drawing (AA 491 continued)			
Upper-Division Painting (AA 490 continued)			
Upper-Division Sculpture (AA 493 continued)			
Upper-Division Composition (AA 492 continued)			
Interior Design I (AA 380, 381, 382)			
Electives	3	3	3
	15-16	15-16	15-16

Description of Courses

ARCHITECTURAL DESIGN, INTERIOR DESIGN,
AND STRUCTURAL 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 120. **Construction I.** 1 hour spring.
Introduction to architectural elements by means of individual research and observation. Sketching of existing examples, with class discussion. Hayden.
- 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 154, 155, 156. **Architectural Modeling.** 1 hour each term.
The student studies architectural forms and details by actually creating the forms in clay, and thus strengthens his perception of three dimensions for work on problems in design. Hudson.
- AA 191. **Architectural Drawing.** 1 hour each term.
A course in freehand perspective, intended to develop skill in depiction of imagined forms in planes and solids. Willcox.
- AA 211, 212, 213. **Graphics II.** 2 hours each term.
Fall: completion of work in shades and shadows; winter and spring: applications of descriptive geometry to drawing of linear perspectives. Practical methods of constructing perspectives. Brown.
- 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. Brown.
- AA 217, 218, 219. **Surveying for Architects.** 2 hours each term.
Elements of plane surveying, adapted to the needs of architecture students. Field practice in the use of steel tape, level, and transit. Office computations of latitudes, departures, areas, and other related problems. 1 lecture, 1 field period. Prerequisite: trigonometry.

- AA 220, 221, 222. **Construction II.** 1 hour each term.
Introduction to building materials; materials in design, properties of materials, specifications. Hayden.
- AA 223, 224, 225. **Interior-Design Elements.** 2 hours each term.
Introduction to the scope, aim, and technique of interior design, with emphasis on interior planning, interior color theory, textile design, and flower arrangement. Frasier.
- AA 297. **Lower-Division Architectural Design.** 1 to 5 hours any term.
No-grade course. Through lectures and individual problems, the staff attempts to orient the student in relation to the principles, methods, concepts, and ideals which make up the field of architectural design and planning.

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. Brown, Hayden.
- AA 320, 321, 322. **Construction III.** 3 hours each term.
Intended to follow trigonometry; application of mathematics to the designing of structures. Hannaford.
- AA 323, 324, 325. **Construction IV.** 2 hours each term.
Introduction to the making of working drawings, including scale and full-size details; writing of specifications and supervision. Prerequisite: AA 311, 312, 313. Hannaford, Hayden.
- AA 329, 330, 331. **Architectural Practice.** 1 hour each term.
Problems of professional ethics, business relations, office management, etc. Willcox.
- AA 356, 357, 358. **Architectural History IV.** 2 hours each term.
History of the development of interior design and its related fields. Study of furniture, textiles, rugs, etc. Required for majors in interior design. Open to nonmajors. Frasier.
- AA 369, 370, 371. **Construction V.** 2 hours each term.
Mechanical accessories to buildings; plumbing, heating, ventilation, electric lighting, and acoustics. Ph 369, 370, 371 must be taken concurrently. Hannaford.
- AA 411, 412, 413. **Domestic Architecture II.** (G) 1 to 4 hours each term.
Continuation AA 311, 312, 313. Brown, Hayden.
- AA 420, 421, 422. **Construction VI.** (G) 2 hours each term.
Constructive design, continuing the work of AA 320, 321, 322. Trusses in wood and steel, plate girders, reinforced concrete, retaining walls, etc. Hannaford.
- AA 465, 466, 467. **Technique and Practice.** 5 hours each term.
Business, estimating methods, and ethics for interior decorators. Frasier.
- 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.
- AA 498. **Upper-Division Interior Design.** (G) 1 to 10 hours any term.
No-grade course. In a three-year sequence a progressive series of related problems are studied and executed by presentation in perspective, isometric, and elevation. 30 term hours earned in fifth year. Frasier.

LANDSCAPE ARCHITECTURE

LOWER-DIVISION COURSES

- LA 117, 118, 119. **Landscape Architecture.** 1 hour each term.
Introduction to landscape architecture; survey of the principles and ideals of the art. Peck.
- LA 290. **Lower-Division Landscape Design.** 1 to 5 hours each term.
Design of small residence properties, the ordinary city lot, town house property, and suburban residence properties of not more than three acres. Prerequisite: LA 117, 118, 119. Jette.

UPPER-DIVISION COURSES

- LA 335. **Field Practice.** 4 hours fall.
Field problems in surveying, grading, and layout work for construction. Prerequisite: CE 223. Jette.
- LA 337. **Office Practice.** 2 hours winter.
Professional ethics, office management, and principles of superintendence. Prerequisite: upper-division standing. Jette.
- LA 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. Willcox, Hudson.
- LA 401. **Special Studies.** Terms and hours to be arranged.
- LA 403. **Senior Thesis.** Terms and hours to be arranged.
- LA 405. **Senior Assigned Reading.** Terms and hours to be arranged.
- LA 407. **Senior Seminar.** Terms and hours to be arranged.
- LA 435. **Field Practice.** 4 hours spring.
Continuation of LA 335, the field work being correlated with a major design problem. Jette.
- LA 490. **Upper-Division Landscape Design.** (G) 1 to 10 hours any term.
No-grade course. Design of suburban and country estates, school grounds and parks, cemeteries, golf courses, housing developments and subdivisions. Trips made to study examples in the field. Prerequisite: LA 290. Jette.
- LA 491. **Plant Composition.** 1 to 5 hours any term.
No-grade course. Design of planting of trees, shrubs, and flowers. Lectures, field trips, and drafting. Maximum credit, 12 term hours. Prerequisite: LA 326, 327, 328. Jette.
- LA 492. **City Planning II.** (G) 1 to 6 hours any term.
No-grade course. Course in civic design. Maximum credit, 12 term hours. Prerequisite: architecture majors, LA 353; landscape majors, LA 353, 354, 355. Willcox, Hudson.

GRADUATE COURSES

LA 490 and LA 492 may be taken for graduate credit.

- LA 501. **Special Studies.** Terms and hours to be arranged.
- LA 503. **Graduate Thesis.** Terms and hours to be arranged.
- LA 505. **Graduate Assigned Reading.** Terms and hours to be arranged.
- LA 507. **Graduate Seminar.** Terms and hours to be arranged.

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. 15 hours required for upper-division standing.
- AA 291. **Lower-Division Drawing.** 1 to 3 hours any term.
Training in observation and selection of significant elements. Registration permitted any term, but it is desirable that the work be started in the fall. 15 hours required for upper-division standing (6 hours for nonmajors).
- AA 292. **Lower-Division Composition.** 2 to 3 hours any term.
Principles of space, tone, and color organization. Work in abstract and pictorial forms. Registration permitted any term, but it is desirable that the work be started in the fall. 15 hours required for upper-division standing.
- 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 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 15 hours in AA 290, total 33 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 15 hours in AA 291, total 33 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 12 hours in AA 292, total 27 hours).

SCULPTURE

LOWER-DIVISION COURSES

- AA 293. **Lower-Division Sculpture.** 2 to 5 hours any term.
Fundamental principles studied in clay and stone; construction taught by the combinations of the simplest forms; study of anatomy. 15 hours required for upper-division standing. Sutherland.
- AA 294. **Lower-Division Sculpture Composition.** 2 to 4 hours any term.
Extensive research during first year in ancient sculpture composition. Original compositions in clay. 6 hours required for upper-division standing. Sutherland.

UPPER-DIVISION COURSES

- AA 493. **Upper-Division Sculpture.** (G) 2 to 6 hours any term.
Progressive series of problems in sculpture, including original sketches in clay from life, as well as carefully executed works in stone. 27 hours required for graduation (plus 15 hours in AA 293, total 42 hours). Sutherland.

- AA 494. **Upper-Division Sculpture Composition.** (G) 2 to 4 hours any term.
No-grade course. Continuation of AA 294. Research in all periods of art. 6 hours required for graduation (plus 6 hours in AA 294, total 12 hours). Sutherland.

ART EDUCATION

LOWER-DIVISION COURSES

- AA 163, 164, 165. **Color Theory.** 1 hour each term.
Study of color with reference to its scientific background and artistic use. Practical applications in dress, the home, the commercial world, and the theater. Creative use of color for individual art expression. Kerns.
- AA 166, 167, 168. **Design I.** 2 hours each term.
Study of basic art structure—elements, line, dark and light, and color. Structural organization of designs for textiles, advertising, posters, etc., with application to crafts and applied arts. Kerns.
- AA 169, 170, 171. **Representation I.** 1 hour each term.
Rendering of positive and negative space by use of naturalistic and abstract forms. Creation of rhythms, static and dynamic, on picture plane by lines, planes, and volumes. Problems in pencil, charcoal, water color, oil. Kerns.
- AA 266, 267, 268. **Design II.** 2 hours each term.
Continuation of AA 166, 167, 168. Study of nature forms in landscape, human figure, and abstract composition. Study of historical crafts in relation to modern technique and the teaching problem. Kerns.
- AA 269, 270, 271. **Representation II.** 1 hour each term.
Continuation of AA 169, 170, 171, with more advanced problems along the same lines. Prerequisite: AA 169, 170, 171. Kerns.

UPPER-DIVISION COURSES

- AA 380, 381, 382. **Interior Design I.** 2 hours each term.
Great periods of interior architecture, decorative furnishings, and accessories as related to the periods studied. Required of majors in art education; open to nonmajors. Frasier.
- AA 383, 384, 385. **Interior Design II.** 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. Frasier.
- AA 386, 387, 388. **Representation III.** 1 hour each term.
Prerequisite: AA 269, 270, 271. Kerns.
- Ed 408. **Special Teaching Methods.** 3 hours any term.
- AA 414, 415. **Art Education.** 3 hours each term, fall and spring.
Subject matter, materials, and method of presentation; observation of art classes in the schools; units and courses of study for grade and high schools. Students must register for Ed 408 in the winter term. Kerns.
- Ed 415. **Supervised Teaching.** 1 to 12 hours any term.
One year of supervised teaching in Eugene public schools or the University High School, for majors in art education. Maximum total credit, 12 term hours. Kerns, Smith.

APPLIED DESIGN

LOWER-DIVISION COURSES

- AA 295. **Lower-Division Decorative Design.** 2 to 3 hours any term.
Study, through creative exercises, of the principles of industrial design—elements, form, color, material, texture. Analysis of current industrial art. The relation of art to industry.
- AA 296. **Lower-Division Applied Design.** 2 to 4 hours any term.
Creative approach to ceramics, weaving, and metal work, including study of materials, techniques, and design involved in each subject. Avakian.

UPPER-DIVISION COURSES

- AA 391. **Fashion Illustration.** 2 or 3 hours any term.
The fashion figure, work with layout, techniques of rendering textures and color. Smith.
- AA 495. **Upper-Division Decorative Design.** (G) 2 to 3 hours any term.
Emphasis on free personal expression on the part of the student, with the aim of building up an individual professional style. From 6 to 9 hours may be earned each year during the third and fourth years.
- AA 496. **Upper-Division Applied Design.** (G) 2 to 6 hours any term.
No-grade course. Ceramics, weaving, or metal work. 6 to 18 hours during each of the third and fourth years. 18 hours required for graduation (plus 12 hours in AA 296, total 30 hours). Avakian.

HISTORY OF ART

LOWER-DIVISION COURSES

- AA 114, 115, 116. **Survey of Creative Arts.** 3 hours each term.
The arts explained through their human and social causes. What appreciation is, how the habit of appreciation may be developed, and how it relates to daily living and to individual needs. 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. Baldinger.

UPPER-DIVISION COURSES

- AA 337, 338, 339. **Architectural History 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. Brown.
- AA 340, 341, 342. **Architectural History II.** 2 hours each term.
Continuation of AA 337, 338, 339. Hayden.
- AA 346, 347, 348. **History of Painting.** 2 or 3 hours each term.
Historical and aesthetic development of the painting language. Fall: ancient and Italian renaissance painting; winter: Flemish, Spanish, and French painting; spring: twentieth-century painting. 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 366, 367, 368. Baldinger.

AA 366, 367, 368. **History of Oriental Art.** 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 363, 364, 365. Baldinger.

AA 376, 377, 378. **Advanced Art Appreciation.** 3 hours each term.

Advanced exercises in perception and interpretation of art forms. Special problems in appreciation of Oriental arts and of contemporary American painting. Methods of appreciative approach studied comparatively. Baldinger.

AA 440, 441, 442. **Architectural History III.** 1 hour each term.

History of modern architecture. Continuation of AA 340, 341, 342.

AA 446, 447, 448. **Civilization and Art Epochs.** (G) 2 hours each term.

History, archaeology, and evolution of art. The influence of political, ecclesiastical, aesthetic, and ethnological evolution upon art; the influence of art upon humanity. Prerequisite: upper-division standing. Baldinger.

HONORS COURSES

The student may register in these courses for special work in: architectural design, interior design, drawing and painting, sculpture, and art education.

AA 401. **Special Studies.** Terms and hours to be arranged.

AA 403. **Senior Thesis.** Terms and hours to be arranged.

AA 405. **Senior Assigned Reading.** Terms and hours to be arranged.

AA 407. **Senior Seminar.** Terms and hours to be arranged.

GRADUATE COURSES

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

AA 501. **Special Studies.** Terms and hours to be arranged.

AA 503. **Thesis.** Terms and hours to be arranged.

AA 505. **Assigned Reading.** Terms and hours to be arranged.

AA 507. **Seminar.** Terms and hours to be arranged.

School of Business Administration

VICTOR PIERPONT MORRIS, Ph.D., Dean of the School of Business Administration.

LOIS C. NEWMAN, B.A., Secretary of the School of Business Administration.

PROFESSORS: J. H. BOND, O. K. BURRELL, N. H. COMISH, E. G. DANIEL, C. L. KELLY, A. L. LOMAX, V. P. MORRIS, A. B. STILLMAN, W. F. G. TEACHER*.

ASSOCIATE PROFESSORS: W. C. BALLAINE, D. D. GAGE, W. P. RIDDLESBARGER†, C. W. STIMSON.

ASSISTANT PROFESSORS: N. R. EGGIMANN, L. M. FAUST, R. D. MILLICAN.

INSTRUCTORS: LOIS C. NEWMAN, JESSIE M. SMITH, RUTH M. THOMPSON†.

THE training for leadership in business offered by the University through the School of Business Administration is planned to include a program of studies in economics, law, and the liberal arts and sciences, closely correlated with professional business courses. Majors are expected to acquire the sound knowledge of the social sciences basic to an understanding of present-day business problems.

The school has no special entrance requirements beyond the University requirements for admission to first-year or freshman standing.

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 general business curriculum has been planned for lower-division students. For juniors and seniors the school offers an upper-division curriculum in general business, and specialized work in various fields: accounting, advertising and selling, finance, marketing and merchandising, foreign trade, industrial management. 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 University, 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

* On leave of absence fall and winter terms, 1945-46.

† Resigned Dec. 19, 1945.

have not acquired these skills before coming to the University, the University offers service courses in Typing (SS 121, 122, 123) and Stenography (SS 111, 112, 113). (See page 189.)

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 DEGREES AND CERTIFICATES).
- (2) Forty-eight 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), 3 hours.
- (4) Principles of Economics (Ec 201, 202, 203), 3 hours each term.

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 413) or Personnel Management (BA 414).

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 Division 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 Division 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 DIVISION.

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 many 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:

CARTER BRANDON, Portland Chamber of Commerce.
H. K. CHERRY, Portland.
THOMAS A. DUTHIE, Duthie and Company, Portland.
ARTHUR J. FARMER, Manager, Portland Chamber of Commerce.
E. J. GRIFFITH, Albina Engine and Machine Works, Portland.
CHARLES E. HANEY, Frank P. Dow Company, Portland.
JOHN F. JOHANNSEN, Hyster Company, Portland.
WALTER JOHANNSEN, United States National Bank, Portland.
VELMA SCHOLL, Jantzen Knitting Mills, Portland.
A. M. SCOTT, Export Manager, Pillsbury Flour Mills Company, Portland.
HOWARD WATERBURY, United States Department of Commerce, Portland.
LLOYD WENTWORTH, Douglas Fir Export Company, Portland.
WILLIAM L. WILLIAMS, American Mail Line, 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 the 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.

GENERAL BUSINESS† (Suggested Curriculum)

	Term hours		
	F	W	S
Freshman Year			
Constructive Accounting (BA 111, 112, 113).....	4	4	4
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 Creative Arts; foreign language; introductory course in speech; Appreciation of Music; Elementary Journalism; home economics	4	4	4
Military Science (men) or Health Education (women).....	1	1	1
Physical Education	1	1	1
	17	17	17
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; Extempore Speaking; Shakespeare; foreign language; American Governments; sociology	5	5	5
Military Science (men)	1	1	1
Physical Education	1	1	1
	16	17	17

* 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.

† Women students majoring in business administration may elect a minor in home economics.

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.

	Term hours		
	F	W	S
Freshman Year			
Constructive Accounting (BA 111, 112, 113).....	4	4	4
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
	16	16	16
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, 313).....	3	3	3
Principles of Economics (Ec 201, 202, 203).....	3	3	3
Elementary Journalism (J 111, 112, 113).....	2	2	2
Psychology.....	3	3	3
Military Science (men).....	1	1	1
Physical Education.....	1	1	1
	16	17	17

Upper-Division Curricula

The fulfillment of the lower-division group requirements in liberal arts and sciences should be considered as a minimum requirement only. Majors in business administration should endeavor 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			
Production Management (BA 413).....	4	-	-
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.....	3	-	5
	17	17	17
Senior Year			
General Advertising (BA 439).....	3	-	-
Principles of Salesmanship (BA 442).....	-	-	3
Investments (BA 463, 464).....	3	3	-
Personnel Management (BA 414).....	-	-	4
Financial Institutions (BA 460).....	-	3	-
Economic Theory and Problems (Ec 475, 476, 477).....	2	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	5	4
	16	16	16

* Women students majoring in business administration may elect a minor in home economics.

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.

	Term hours		
	F	W	S
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 413).....	4	-	-
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.....	3	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, Banking, and Economic Crises (Ec 413).....	5	-	-
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.....	5	4	6
	16	16	16
Graduate Year			
C. P. A. Problems (BA 520, 521, 522).....	5	5	5
Graduate Seminar (BA 507).....	2	2	2
Minor field.....	5	5	5
Electives.....	3	3	3
	15	15	15

ADVERTISING AND SELLING (Suggested Curriculum)

Junior Year			
General Advertising (BA 439).....	3	-	-
Problems in Distribution (BA 434).....	4	-	-
Sales Management (BA 435).....	-	4	-
Retail Merchandising (BA 436).....	-	-	4
Personnel Management (BA 414).....	-	4	-
Credit Management (BA 437).....	3	-	-
Business Cycles (BA 466).....	3	-	-
Business Statistics (BA 432).....	-	3	-
Advanced Business Statistics (BA 433).....	-	-	3
Electives—Reporting; decorative design; economic geography; history.....	3	5	9
	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 413).....	4	-	-
Industrial Psychology (Psy 462).....	-	2	-
Personnel Procedures (Psy 463).....	-	-	2
Electives—Editing; Business Policy; English or American literature; sociology or advanced economics.....	3	5	5
	17	16	17

FINANCE
(Suggested Curriculum)

	Term hours		
	F	W	S
Junior Year			
Production Management (BA 413).....	4	-	-
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).....	-	4	4
Money, Banking, and Economic Crises (Ec 413).....	5	-	-
Electives—insurance; real estate; Municipal Accounts and Audits; Office Organization and Management; Economics of Public Utilities; advanced foreign language.....	4	2	4
	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; Personnel Management; International Finance; Income-Tax Procedure; Introduction to Philosophy; English literature.....	3	3	3
	15	15	15

MARKETING AND MERCHANDISING
(Suggested Curriculum)

	Term hours		
	F	W	S
Junior Year			
Problems in Distribution (BA 434).....	4	-	-
Sales Management (BA 435).....	-	4	-
Retail Merchandising (BA 436).....	-	-	4
General Advertising (BA 439).....	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 414).....	4	-	-
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 463).....	-	-	2
Electives—research in marketing; statistics; Business Policy; Manufacturing; Foreign-Trade Marketing; economics; Income-Tax Procedure; philosophy; psychology; history; geography; education; biological science; physical science.....	2	6	2
	17	16	17

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 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 179), prepares the student for positions in exporting and importing houses, marine-insurance firms, banks, ocean-transportation companies, and governmental services.

	Term hours		
	F	W	S
Junior Year			
Production Management (BA 413).....	-	4	-
Personnel Management (BA 414).....	-	-	4
Finance Management (BA 459).....	-	-	5
Industrial Traffic Management (BA 450, 451).....	3	3	-
Problems in Distribution (BA 434).....	-	4	-
Sales Management (BA 435).....	-	-	4
Money, Banking, and Economic Crises (Ec 413).....	5	-	-
Foreign-Trade Technique (BA 471, 472, 473).....	3	3	3
American Foreign Relations (Hst 473, 474).....	3	3	-
Electives—History of China and Japan; Economics of Transportation; Geography of South America.....	3	-	-
	17	17	16
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 Organization and World Politics; International Law.....	3	3	6
	16	16	16

INDUSTRIAL MANAGEMENT
(Suggested Curriculum)

	Term hours		
	F	W	S
Junior Year			
Personnel Management (BA 414).....	-	-	4
Manufacturing (BA 412).....	4	-	-
Production Management (BA 413).....	-	4	-
Money, Banking, and Economic Crises (Ec 413).....	5	-	-
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.....	2	3	-
	17	16	17
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 463).....	-	-	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

	Term hours		
	F	W	S
Personnel Management (BA 414) or Production Management (BA 413)....	4	-	-
Finance Management (BA 459).....	-	-	5
Sales Management (BA 435).....	-	4	-
History of Economic Thought (Ec 470, 471, 472).....	3	3	3
Money, Banking, and Economic Crises (Ec 413).....	5	-	-
Electives—history, economics, philosophy.....	4	9	8
	16	16	16

Advanced Work

The part of this combined curriculum offered by the School of Law consists of the regular three-year law curriculum. The work of the first two years in the School of Law consists almost entirely of required courses. The first year of law includes courses in Contracts, Legal Bibliography, Common-Law Procedure, Rights in Land, Torts, Criminal Law, Personal Property, and Equity I. The second year of law includes courses in Code Pleading, Titles, Equity II, Bills and Notes, Creditors' Rights, Partnerships and Corporations, Agency, Mortgages and Sales. The third year of law includes required courses in Wills, Conflict of Laws, Trial Practice, Trusts, Legal Ethics, Evidence, Taxation, and Constitutional Law. The balance of the third year's work consists of selections made from elective courses in Suretyship, Administrative Law, Legislation, Damages, Jurisprudence, and Municipal Corporations.

Description of Courses

BUSINESS ADMINISTRATION

LOWER-DIVISION COURSES

- BA 111, 112, 113. **Constructive Accounting.** 4 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; required of all majors.

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. Ballaine.

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. Ballaine, Comish, Lomax.

UPPER-DIVISION COURSES

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 221, 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 non-majors with consent of the instructor. Gage.

BA 412. **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 221, 222, 223. Bond.

BA 413. **Production Management.** (G) 4 hours fall or winter.

Analysis of cases representing actual problems in assembling and processing materials in a modern plant. Prerequisite: BA 222, 223. Bond.

BA 414. **Personnel Management.** (G) 4 hours winter or spring.

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. Bond.

BA 415. **Regional Planning for Commerce and Industry.** (G) 2 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. **Business Law.** (G) 4 hours fall or winter.

Application of fundamental legal principles to typical business situations illustrated by selected cases. Formation, interpretation, and discharge of contracts. The law of bankruptcy, insurance, and suretyship. Stimson.

BA 417. **Business Law.** (G) 4 hours winter or spring.

The law of agency, the law of negotiable instruments, the law of real-property mortgages, landlord and tenant, and mechanics' lien law. Stimson.

BA 418. **Business Law.** (G) 4 hours fall or spring.

The law of personal property, sales, bailments, and chattel mortgages; the law of business organization, partnerships, corporations, unincorporated associations, business trusts, and joint-stock companies. Stimson.

BA 423. **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; 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 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 problems of wholesale concerns, retail firms, and banks. The source of credit information, the use of agency reports, interpretation of financial statements; collection tools and their uses. Prerequisite: BA 222, 223. Ballaine.
- BA 438. **Industrial Purchasing.** 3 hours fall or winter.
Forms of industrial and governmental buying organizations; sources of goods, buyers' functions, purchasing procedures and methods, inspection, price policies. Prerequisite: BA 222, 223 or equivalent. Comish, Ballaine.
- BA 439. **General Advertising.** (G) 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 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. 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 439. 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. 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 439, 440. Millican.
- BA 450, 451. **Industrial Traffic Management.** (G) 3 hours each term, fall and winter.
The organization of a traffic department; services and organization of rail, truck, and air lines; theory and application of freight rates. Lomax.
- 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. 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. 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. **Investments.** (G) 3 hours fall.
Economic principles governing capital and interest; classification and development of methods for evaluating various kinds of investment securities; formulation of an investment policy. Prerequisite: BA 222, 223. Burrell.
- BA 464. **Investments.** (G) 3 hours winter.
Detailed study of the special phases of investments, including taxation, brokerage services, and the stock markets; brief study of the relation of investments to business cycles and forecasting. Prerequisite: BA 463. Burrell.
- BA 465. **Investment Analysis.** (G) 3 hours spring.
Application of investment principles to the analysis of specific securities in the industrial, public-utility, and railroad fields. Individual corporation reports and their relation to security valuation. Prerequisite: BA 463, 464. 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. Burrell.
- 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 221, 222, 223.
- 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 221, 222, 223. 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.
- 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: BA 471, 472, 473. 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. Prerequisite: consent of instructor. 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. Bond.
- 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 480. Daniel, Kelly.
- BA 483, 484, 485. **Accounting Theory and Practice.** (G) 3 hours each term.
The theory of accounting records and statements; statements of affairs, depreciation, analysis of profit-and-loss accounts, receiverships, balance-sheet construction and problems. Required of students majoring in accounting. Burrell.
- BA 486. **Municipal Accounts and Audits.** (G) 3 hours fall.
Principles of fund accounting and budgetary control. Oregon laws and decisions of the attorney general relative to accounts, finance, and auditing of municipalities. Audit procedures incident to municipal accounts. Stillman.
- BA 487, 488. **Advanced Cost Accounting.** (G) 3 hours each term, winter and spring.
Intensive study for students desiring to enter the field of cost accounting or other professional accounting work. Principles and cost procedures, with application to practical problems. Prerequisite: BA 111, 112, 113. Stillman.
- BA 489, 490, 491. **Advanced Accounting Theory and Practice.** (G) 3 hours each term.
Application of the technical phases of accountancy. Professional training in practical accounting theory and auditing. Prerequisite: BA 483, 484, 485. Required of accounting majors. 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.** Terms and 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.** Terms and hours to be arranged.
- BA 507. **Graduate Seminar.** Terms and 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. Kelly.

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 the 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. Newman.

Dental School

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

CHARLES C. CREW, Business Manager of the Dental School

ELLEN ROAH CREW, Registrar of the Dental School

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 (D.M.D.); 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.

In addition to the professional curriculum, the school offers training for dental hygienists.

The University offers, on the Eugene campus, a two-year and a three-year preidental curriculum which satisfy the admission requirements of the University of Oregon Dental School. See COLLEGE OF LIBERAL ARTS in this Catalog.

Detailed information concerning the faculty, facilities, requirements, and curricula 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

JAMES RALPH JEWELL, Ph.D., LL.D., Dean of the School of Education; Director of High-School Teacher Training.

LUCIA MARIA LEIGHTON, Secretary to the Dean.

IDA MAY POPE, A.B., Placement Secretary.

PROFESSORS: C. L. HUFFAKER, F. M. HUNTER, J. R. JEWELL, P. A. KILLCALLON, R. W. LEIGHTON, F. G. MACOMBER, E. G. MOLL, V. P. MORRIS, H. D. SHELDON (emeritus), F. L. STETSON, H. B. WOOD.

ASSOCIATE PROFESSORS: MAUDE GARNETT, H. S. HOYMAN, MAUDE I. KERNS, H. E. STEVENS, JANET WOODRUFF.

ASSISTANT PROFESSORS: H. W. BERNARD, E. E. BOUSHEY, R. U. MOORE†.

INSTRUCTORS: ABBY ADAMS, H. J. AKERS, H. B. DAVIS, W. C. DEDMAN, ALICE GEROT, VIRGINIA GREER, J. E. HALE, D. C. HAMLLOW, R. C. HENDRICKSON*, V. E. KERLEY*, SHIRLEY KROEGER, M. R. MCKINNEY*, L. C. MULLING*, GEORGE NELSON, S. E. WILLIAMSON, LOIS ZIMMERMAN.

ASSOCIATES: MARIANNE BLENKINSAP, MABEL DEVOS, HELEN LETTOW, LOUISE NIMMO, GERTRUDE SEARS, EDITH THORNTON, MILDRED WILLIAMS.

ALL professional preparation for teaching within the State System of Higher Education, except preparation for strictly 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, social sciences, biological science, general science, physical science, mathematics, arts, business administration, music, physical education, and approved combinations of subjects. The University also offers training to prepare teachers for work with atypical 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.

In planning its curricula the School of Education recognizes three qualifications for a good teacher: (1) mastery of subject matter; (2) an understanding of child and adolescent psychology, and of professional problems and techniques; (3) a broad and liberal education.

Major Requirements. Candidates for a bachelor's degree with a major in education must complete 36 term hours of work in education courses. Two terms (6

* On leave of absence 1945-46.

† Deceased Apr. 10, 1946.

term hours) of General Psychology may be counted toward fulfilling the 36-hour requirement. To be recommended for a degree with a major in education, students transferring from other institutions must complete at least 12 term hours of work in education at the University.

Baccalaureate Degrees. Students majoring in education may become candidates for the following baccalaureate degrees: Bachelor of Arts, Bachelor of Science, or Bachelor of Education. For the B.A. or B.S. degree the student must fulfill all University requirements for these degrees, in addition to major requirements. For the B.Ed. degree the student must fulfill general University requirements for graduation, and the requirements for a major in education, stated above.

Graduate Work. Graduate work in education, leading to the Master of Arts, Master of Science, Master of Education, Doctor of Philosophy, and Doctor of Education degrees, is offered at the University through the Graduate Division. The requirements for the M.Ed. and D.Ed. degrees differ from the requirements for the M.A., M.S., and Ph.D. degrees as follows: (1) teaching experience is required; (2) less time is spent on the technique of research; (3) the curriculum is carefully planned and integrated to prepare men and women for immediate service in administrative and advanced teaching positions. There is no foreign-language requirement for these degrees. The regulations governing graduate study are stated under GRADUATE DIVISION in this Catalog.

School Administration. Under the organization plan of the Oregon State System of Higher Education, training for educational administration is allocated to the University. The program in this field is differentiated from the program for students preparing for classroom teaching principally 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 472, 473, 474, 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 472, 473, 474 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 secure 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 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. The clinic confines itself to the treatment of children of normal intelligence who have special disabilities in reading, spelling, or arithmetic. Work in speech correction is carried on in cooperation with the Division of Speech and Drama of the Department of English.

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: Child Psychology (Ed 460); Psychology of Exceptional Children (Ed 462, 463); Reading Process (Ed 464); Diagnostic and Remedial Techniques (Ed 465, 466); Mental Tests (Ed 564, 565, 566); Psycho-Educational Clinic (Ed 409); Educational Research (problems in remedial teaching) (Ed 501).

The following courses outside the special field are suggested: Methods of Social Work (Soc 424); Measurement in Education (Ed 475); Advanced Experimental Psychology (Psy 451, 452, 453); Clinical Methods in Psychology (Psy 431, 432); Abnormal Psychology (Psy 413); Educational Statistics (Ed 515); Philosophy of Education (Ed 586); Advanced Educational Psychology (Ed 561, 562); Speech Defects and Disorders (SD 486, 487); Clinical Methods in Speech Correction (SD 488); Clinical Practice in Speech Correction (SD 489, 490).

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.

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.

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 Place-

ment 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 secured 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.* To be eligible for a one-year certificate, graduates of the University must satisfy the following requirements:

(1) A total of 45 term hours of college work after meeting the requirements for the baccalaureate degree.

(2) A minimum of 40 term hours of work in education, 15 term hours of which must be in upper-division or graduate courses taken during the last three terms of preparation. This work must be distributed as follows:

	Term hours
Secondary Education (Ed 311)	3
Educational Psychology (Ed 312)	3
Principles of Teaching (Ed 313)	3
Special Teaching Methods (Ed 408)	3
Supervised Teaching (Ed 415)	6-12
Oregon School Law and System of Education (Ed 316)	2
Electives in education	20-12

(3) Oregon History (Hst 377), 2 hours.

(4) A minimum of 3 hours in General Psychology (prerequisite to Ed 312).

Under regulations adopted by the Oregon State Board of Education in January 1941, 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). **LANGUAGE:** 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

* During the war emergency the State Superintendent of Public Instruction is authorized to issue emergency certificates. For full information concerning these certificates, inquire at the School of Education.

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.

To be recommended by the University for a teaching position, a student in satisfying the minimum subject requirements in the fields in which he intends to teach must take certain specified courses. These courses are listed on pages 196-199.

Believing that a broad knowledge in the fields of English, social studies, mathematics, natural science, and fine arts should be a part of the equipment of every teacher, whatever his subject field, the State Board of Education has recommended that the college preparation of all new teachers employed in state-approved high schools should include the following:

ENGLISH: 24 term hours in literature, composition, speech, dramatics. **SOCIAL STUDIES:** 24 term hours in history, political science, economics, sociology, geography, philosophy. (A maximum of 6 term hours in library science may be applied toward satisfying the recommendation in English or social studies.) **SCIENCE AND MATHEMATICS:** 17 term hours, including 9 hours in biological science and 8 hours in physical science and mathematics or in either of these fields. **ARTS AND CRAFTS:** 6 term hours in music, or in plastic, graphic, or industrial arts (equivalent performance standards may be accepted if approved by the teacher-training institution).

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.

Application for certification must be made to the State Superintendent of Public Instruction. An official record of the applicant's preparation, required as a basis of certification, will be submitted to the State Superintendent by the University Registrar, on request.

The holder of a one-year state certificate, after six months' successful teaching experience in this state and upon the recommendation of the city school superintendent or county school superintendent under whose supervision the applicant last taught, will be granted a five-year state certificate authorizing him to teach in the high schools or junior high schools of this state.

A five-year certificate may be renewed when the holder thereof has taught successfully for a period of 24 months during the life of such certificate, or has completed 15 term hours in courses approved by the State Board of Education in a standard college or university. When a teacher who is regularly employed by a school board has been granted a leave of absence by such board, the school months included in such leave of absence shall be counted the same as months of teaching in determining eligibility for renewal of a five-year certificate.

The holder of a one-year state certificate, or a five-year state certificate, or a state life certificate, is authorized to act as city superintendent of the schools of any city.

The following fees are payable to the State Superintendent of Public Instruction at the time application for certification is made:

One-year certificate	\$2.00
Five-year certificate	2.00
Renewal of five-year certificate	2.00

Subject Preparation

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, or Spanish. 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 pages 194-195). 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.

Major Teaching Fields

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
Design I & II (AA 166, 167, 168; AA 266, 267, 268).....	12
Representation I & II (AA 169, 170, 171; AA 269, 270, 271).....	6
Color Theory (AA 163, 164, 165).....	3
Figure and Costume (AA 298).....	3
Lower-Division Drawing (AA 291).....	6
Art Education (AA 414, 415).....	6
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Biological Sciences

General Botany (Bi 204, 205, 206).....	12
General Zoology (Bi 201, 202, 203).....	12
	<hr/> 24

Business Administration

Constructive Accounting (BA 111, 112, 113).....	12
Office Organization and Management (BA 423).....	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
	<hr/> 40-41

* During the junior year, a voice recording is taken of all students who plan to prepare for teaching. An acceptable recording is required for admission to supervised teaching and for recommendation.

Elementary Science

	Term hours
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
Oral English for Teachers (SD 334) and Direction of School and Community Plays (SD 340), or equivalent.....	6
Upper-division courses in English literature, selected in consultation with the head of the Department of English.....	6
	<hr/> 42

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
French Composition and Conversation (RL 314, 315, 316).....	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
Modern German Novel (GL 412) or Die Deutsche Novelle (GL 331).....	3
German Poetry (GL 333).....	3
Classical German Drama (GL 411) or Modern German Drama (GL 332).....	3

Latin

The evaluation of 30 term hours, including high-school credits. Evaluate high-school credits in terms of college hours. Suggested courses:	
Cicero and Vergil (Lat 4, 5, 6).....	12
Latin Literature: The Augustan Age (Lat 101, 102, 103).....	9
Ovid: Metamorphoses (Lat 314, 315).....	6

Library

Elementary Reference Work (Lib 381).....	3
Book Selection and Evaluation (Lib 382).....	3
Books for School Libraries (Lib 383s).....	3
School Library Administration (Lib 384).....	3
*Library Practice (Lib 385).....	3
Cataloging (Lib 386s).....	3
Classification and Subject Headings (Lib 387s).....	3
Children's Literature (Lib 388).....	3
	<hr/> 24

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

Music

VOCAL	
Theory I (Mus 111, 112, 113).....	12
Choral Conducting (Mus 323, 324, 325).....	6
Ensemble (chorus).....	3
Appreciation of Music (Mus 127, 128, 129).....	6
	<hr/> 27

Applied music: The student must be able to demonstrate ability in singing and in playing accompaniments.

* Supervised Teaching (Ed 415) in library may be substituted for Lib 385.

INSTRUMENTAL	Term hours
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 Education	
PHYSICAL EDUCATION FOR MEN	
Cross Country (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, PE 329).....	4
Coaching.....	6
Class Techniques (PE 342).....	3
School Program (PE 444).....	3
	26
PHYSICAL EDUCATION FOR WOMEN*	
Physical-Education Activities (PE 324, 325, 326).....	6
Physical-Education Activities (PE 424, 425, 426).....	6
First Aid (PE 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
	27
HEALTH EDUCATION	
Human Biology (Bi 111, 112, 113).....	9
Human Physiology (Bi 311).....	3
Principles of Dietetics (FN 225).....	2
School Health Education Core (PE 361, 362, 363).....	9
Health Instruction (PE 464).....	3
	26
Physical Sciences	
General Chemistry (Ch 104, 105, 106).....	12
General Physics (Ph 201, 202, 203).....	12
	24
Social Sciences	
History of the United States (Hst 201, 202, 203).....	9
Europe since 1815 (Hst 341, 342, 343) or World History (Hst 204, 205, 206)....	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
	36
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 or RL 353, 354, 355):	
Second-Year Spanish (RL 14, 15, 16).....	12
Spanish Literature (third year) (RL 341, 342, 343).....	9
Spanish Composition and Conversation (RL 347, 348, 349) or Commercial Spanish (RL 353, 354, 355).....	6

* 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.

Nonmajor Teaching Field

Home Economics (supervised teaching not offered at the University)

	Term hours
Clothing Construction (CT 111, 112, 113).....	6
Clothing Selection (CT 114, 115, 116).....	3
Foods (FN 211, 212, 213).....	9
Child Care and Training (HAD 325).....	3
Household Management (HAD 339).....	3
Home Planning and Furnishing (CT 331).....	{ One course from this group 2-3
Textiles (CT 125).....	
Principles of Dietetics (FN 225).....	
Family Relationships (HAD 222).....	
	26-27

Sequence of Certification 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 40 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.

Junior Year: Secondary Education (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), 6-12 hours.

Graduate Year: Advanced overview of education (Ed 511, Ed 543, or Ed 586), after Ed 415; education electives, 13-17 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. Two terms of General Psychology (6 term hours) may be counted toward the satisfaction of the major requirement, but may not be counted toward the 40-hour professional requirement for certification.

Description of Courses

LOWER-DIVISION COURSES

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

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

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

***Ed 112. Mental Hygiene.** 3 hours any term.

Intended to help the student make adjustments to conditions of University life through cultivation of proper habits of study and of intellectual activity. The habits, attitudes, and proper functioning of a normal mind. Bernard.

***Ed 113. University Education and the Student.** 3 hours any term.

Intended to help the student plan his University career more intelligently and to pursue it more effectively. The scholarly, cultural, and professional values of the University's offerings in the various fields of learning. Wood.

UPPER-DIVISION COURSES

Students may be admitted to upper-division 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; a grade-point average of 2.25 for all work after the sophomore year is required for admission to Ed 408 and Ed 415. Ed 311, 312, 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.

Ed 311. Secondary Education. 3 hours any term.

Study of the problems of the high school from the standpoint of the teacher; consideration of its aims, program, functions, and characteristics. Stetson.

Ed 312. Educational Psychology. 3 hours any term.

The laws of learning and their application in the classroom; motivation in learning, transfer of training, memory, forgetting. Prerequisite: two terms of General Psychology. Bernard.

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.

Ed 316. Oregon School Law and System of Education. 2 hours any term.

An 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 390. Character Education. 3 hours fall or winter.

The place of character in the social purposes of education; the dynamic function of the feelings; the conditioning of interests; the function of ideals; the formation of habits, the integration of habits and attitudes.

Ed 391. Group Thinking. 3 hours spring.

Nature and method of democratic participation in the group thought life. How groups may confer in cooperative efforts to discover new roads to new and better goals. The technique of leadership in group thinking.

Ed 401. Educational Research. Terms and hours to be arranged.

Research and investigation in various fields of education. Registration by permission of the faculty member or members in whose field the investigation lies.

Ed 405. Reading and Conference. Terms and hours to be arranged.**Ed 408. Special Teaching Methods.** 1 to 3 hours any term (6 hours maximum allowed toward education requirement for certification).

Planned to fulfill the state certification requirement for work in special

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

methods; to be taken in conjunction with Ed 415. Not more than 3 hours of credit may be earned in any one field.

Art—Kerns.

Commerce—Zimmerman.

English—Mulling.

Foreign Language—Adams.

Health, Physical Education, Recreation—Boushey, Woodruff.

Mathematics—Kerley.

Music, Instrumental—Stehn.

Music, Vocal—Garnett.

Science—Williamson.

Social Science—Akers.

Ed 409. Psycho-Educational Clinic. (G) Terms and 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, 462, 466, except by special permission. Killgallon.

***Ed 410. Principles and Practice in School Health Education.** (G) 2 hours fall.

Theory and practice of high-school health programs in the United States and in Oregon. For students in school administration and nursing education. Prerequisite: Ed 311, 312, 313 or graduate standing. Hoyman.

***Ed 411. Health Instruction of the School Child.** (G) 2 hours winter.

Procedures for a graded health program, including health materials, health methods, appraisal; comparative study of health units. Primarily for administrators. Prerequisite: Ed 311, 312, 313 or graduate standing. Hoyman.

***Ed 412. Sanitation of the School Plant.** (G) 2 hours spring.

School health standards in lighting, heating, ventilation, schoolroom equipment, fire protection, water supply, sewage disposal, and the school site. Prerequisite: Ed 311, 312, 313 or graduate standing. Hoyman.

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.

Ed 431. Developing Appreciation of Literature. 3 hours.

Development of a technique of teaching literary appreciation. Practical methods and materials. Prerequisite: experience as a teacher of literature, senior standing with a major in English, or consent of instructor. Moll.

Ed 433. Developing Art Appreciation. 3 hours.

The social aims and functions of art. Types of appreciation. Use of classroom equipment, tests, and reference material. Prerequisite: experience as a teacher of art, senior standing with a major in art, or consent of instructor.

Ed 440. History of Education. (G) 3 hours fall.

A general review of the growth and development of education and its relation to the civilization of the times; emphasis on development of educational philosophies. Jewell.

Ed 441. Comparative Education. (G) 3 hours winter.

The school systems of the chief countries of the modern world, in relation to certain vital problems of adjustment—economic, moral, and political. Special attention to developments since World War I. Jewell.

* This course will not count toward the state certification requirement for teachers of health and physical education. For courses satisfying this requirement see PE 361, 362, 363, PE 464.

- Ed 460. **Psychology of Childhood.** (G) 2 hours fall.
Psychological factors in the growth and development of the child. Development of physical activities, speech, mental processes, emotional behavior, and socialized activities. Prerequisite: Ed 312 or 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. Jewell.
- Ed 462, 463. **Psychology of Exceptional Children.** (G) 2 hours each term, winter and spring.
The slow learner, the gifted, the physically handicapped, the speech defective, the behavior problem, the nonreader, the poor speller, etc. Prerequisite: Ed 312 or General Psychology. Killgallon.
- Ed 464. **The Reading Process.** (G) 3 hours.
Meaning and development of factors related to reading, including perception, word blindness, eye movements, rate, comprehension, vocabulary, intelligence, and handedness. Prerequisite: Ed 312 or General Psychology. Killgallon.
- Ed 465, 466. **Diagnostic and Remedial Techniques.** (G) 2 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 467. **Hygiene of the Child.** (G) 3 hours.
Factors of mental, physical, and emotional development which affect the child's adjustment to school and society; personality defects and disorders; heredity and environment in the growth of the child. Killgallon.
- Ed 468. **Hygiene of Learning.** (G) 3 hours.
Factors and conditions which make for mental development, including those which make for disintegration as well as those which make for integration. 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 470. **The Junior High School.** (G) 3 hours.
Causes leading to the development of the junior high school; special purposes and opportunities of this type of school; problems of organization, administration, and instruction. Stetson.
- Ed 471. **School Activity Program.** (G) 3 hours spring.
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 472. **Basic Course in School Organization.** (G) 4 hours fall.
Ed 472, 473, 474 required for all majors in school administration. Ed 472 deals with organization of both grade and high schools; emphasis on the small system. Prerequisite: Ed 311, 312, 313 or teaching experience. Huffaker, Stetson.
- Ed 473. **Basic Course in School Administration.** (G) 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, 312, 313 or teaching experience. Huffaker, Stetson.

- Ed 474. **Basic Course in School Supervision.** (G) 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, 312, 313 or teaching experience. Huffaker, Stetson.
- Ed 475. **Measurement in Education.** (G) 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 479. **Intraschool Relationships.** (G) 3 hours.
A study of the relationships among the personnel of a modern school system, with special emphasis on the coordination of all activities. Prerequisite: teaching experience. Huffaker.
- Ed 480. **Pupil Personnel Work.** (G) 3 hours winter.
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 485. **Foundations of Curriculum.** (G) 3 hours.
The implications of basic social, philosophical, and psychological factors in curriculum planning and development; appraisal of the present curriculum and significant proposals for its improvement. Wood.
- Ed 486. **Course-of-Study Construction.** (G) 3 hours.
General principles of course-of-study construction; selection and organization of materials and activities; evaluation in terms of pupil growth. Prerequisite: Ed 485, teaching experience, or consent of instructor. Wood.
- Ed 487. **Unit Construction.** (G) 3 hours.
How to plan and teach a unit; study of the unit concept and different types of units; selection, organization, and development of materials and activities. Prerequisite: Ed 485, teaching experience, or consent of instructor. Wood.
- Ed 488. **Curriculum Laboratory.** (G) 1 to 3 hours any term (6 hours maximum).
Workshop experience for those actively engaged in the production of curriculum materials. Prerequisite: Ed 485; Ed 486 or Ed 487; or consent of instructor. Wood.
- Ed 492. **Social Education.** (G) 3 hours.
The 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.
- Ed 497. **Adult Education.** (G) 3 hours.
History and philosophy of the movement; its aims, ranging from the specifically vocational to the cultural. Representative work and methods in adult education. Prerequisite: senior standing. Wood.

GRADUATE COURSES

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

- Ed 501. **Educational Research.** Terms and hours to be arranged.
Members of the faculty will supervise research by qualified graduate students. Registration by permission of the faculty member or members in whose field the investigation lies. Prerequisite: graduate standing in education.
Problems in Adult Education—Wood.
Problems in Affective Phases of Education—Leighton.

- Problems in College Teaching—Stetson.
 Problems of Curriculum and Instruction—Wood.
 Problems in Educational Psychology—Huffaker, Killgallon.
 Problems in History of Education—Jewell, Sheldon.
 Problems in Measurements—Huffaker.
 Problems in Philosophy of Education—Jewell, Sheldon.
 Problems in Pupil Evaluation—Wood.
 Problems in Remedial Teaching—Killgallon.
 Problems in School Administration—Huffaker, Stetson.
 Problems in School Finance—Huffaker.
 Problems in Secondary Education—Stetson.
 Problems in Social or Moral Education—Jewell.
- Ed 503. **Thesis.** Terms and hours to be arranged.
- Ed 505. **Reading and Conference.** Terms and hours to be arranged.
- Ed 507. **Education Seminar.** Terms and hours to be arranged.
- Ed 511. **Modern Educational Principles and Problems.** 3 hours any term.
 A general survey, at graduate level, of recent developments in all fields of education. Emphasis on an evaluation of current trends in the various fields. Required of all candidates for the master's degree in education. Huffaker.
- Ed 512. **Research Procedures and Thesis Writing.** 3 hours winter.
 The nature and procedures of research in education; the special techniques of thesis writing. Open to graduate students majoring in other fields. Does not take the place of later individual supervision of thesis. Stetson.
- Ed 515, 516, 517. **Educational Statistics.** 3 hours each term.
 Technique in quantitative and experimental methods. Calculus not required. Admission after fall term only on consent of instructor. Prerequisite: graduate standing. Huffaker.
- Ed 543. **History of American Education.** 3 hours fall.
 The intellectual development of America with special reference to education. Knowledge of American history prerequisite. Open to seniors on consent of instructor. Jewell.
- Ed 544, 545. **History of American Education: Seminar.** 3 hours each term.
 Intensive study, largely by the seminar method, of the movements and ideas current during the educational awakening in America, 1815-1870. Prerequisite: Ed 543.
- Ed 554. **Theories of Higher Education.** 2 or 3 hours fall.
 Concepts of liberal education, scholarship, cultural and general education; theory of vocational and professional education. Open to seniors on consent of instructor. Stetson.
- Ed 555, 556. **Curricula and Instruction in Higher Institutions.** 2 or 3 hours each term, winter and spring.
 Objectives; organization of courses; curricular plans; techniques of teaching; evaluation procedures; experimentation in college teaching. Open to seniors on consent of instructor. Stetson.
- Ed 557. **The Liberal-Arts College.** 2 or 3 hours fall.
 Origin and early objectives of the liberal-arts college; present incorporation in independent colleges, state universities, and junior colleges; curricular developments. Open to seniors on consent of instructor. Stetson.
- Ed 558. **Professional and Vocational Higher Education.** 2 or 3 hours winter.
 Development, organization, and functions of land-grant institutions, independent technical schools, and professional schools; vocational functions of junior colleges. Open to seniors on consent of instructor. Stetson.

- Ed 559. **University Education.** 2 or 3 hours spring.
 The functions of a university; organization, with respect to liberal-arts colleges and professional schools; the graduate school; state systems. Open to seniors on consent of instructor. Stetson.
- Ed 561, 562. **Advanced Educational Psychology.** 3 hours each term.
 Review of some modern viewpoints in educational psychology; discussion of useful experimental material. Prerequisite: graduate standing in education. Bernard.
- Ed 564, 565, 566. **Mental Tests.** 2 hours each term.
 History and principles of mental tests; practice in giving, scoring, and interpreting group and individual mental tests. Open to qualified seniors on consent of instructor. Killgallon.
- Ed 570. **Intellectual Problems of Education.** 3 hours fall.
 Analysis of the elements of thinking; how education may alter or condition them. The relation of special subject-matter fields to straight thinking. Prerequisite: graduate standing.
- Ed 571, 572. **Affective Phases of Education.** 3 hours each term, winter and 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 586. **Philosophy of Education.** 3 hours winter.
 Study of the broad fundamental principles and problems of education, as evaluated by the various schools of philosophical thought. Jewell.
- Ed 587. **Problems in Philosophy of Education.** 3 hours spring.
 The pressing problems in contemporary educational theory; principal contemporary educational movements; the philosophies underlying these movements. Jewell.
- Ed 588. **Modern Educational Philosophers.** 3 hours spring.
 Study of the more prominent educational philosophers: Bagley, Bode, Childs, Dewey, Horne, Judd, Kilpatrick. Not offered 1946-47. Jewell.

School of Journalism

GEORGE STANLEY TURNBULL, M.A., Acting Dean of the School of Journalism.

MARIE E. BROWN, Secretary of the School of Journalism.

PROFESSORS: W. F. G. TEACHER†, G. S. TURNBULL.

ASSOCIATE PROFESSORS: G. H. GODFREY*, R. C. HALL, C. M. HULTEN*, W. C. PRICE.

ASSISTANT PROFESSORS: R. D. MILLICAN, C. C. WEBB.

INSTRUCTOR: L. L. JERMAIN.

LECTURER: J. H. NASH (emeritus).

ASSISTANT: G. D. WIMPRESS.

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. There are no special requirements for admission to the School of Journalism, beyond regular University entrance requirements. Enrollment in Elementary Journalism (J 111, 112, 113) is, however, restricted to students who rank in the fifth and higher deciles in the entrance placement examination or in high-school record, or who are admitted by special consent of the instructor. High-school courses in journalism are not required. The high-school student is advised to devote himself to obtaining a substantial preparation in a modern foreign language, and in history, science, mathematics, and other solid branches of knowledge. Skill in typewriting and shorthand is an advantage but not a requirement.

Curriculum. The School of Journalism adheres to the theory that a liberal education is the best training the University can provide for a journalistic career. Professional courses are closely correlated with work in the social sciences and in literature, and are designed and taught as an integral part of a sound cultural education. With the advice of the faculty, the journalism major elects a program of studies in liberal arts and sciences, with courses in history, economics, sociology, political science, philosophy, science, language, and literature which will give him a grasp of the problems of modern life.

Through a carefully organized system of advising, the school supervises the student's entire program. Somewhat different curricula are planned for different students after a personal interview and after acquaintance with the individual student's abilities and ambitions. The three principal types are: (1) for writing and editing, (2) for publishing and advertising, and (3) for executive management. There is also opportunity for specialization in newspaper photography and in typography and fine printing. A considerable portion of the students in the

* On leave of absence 1945-46.

† On leave of absence fall and winter terms, 1945-46.

school have had practical experience in newspaper work before coming to the University. Such students are not required to repeat training they have already had, beyond a term to ascertain whether their training has been sound, but are directed to courses best suited to their stage of development.

Groups of advanced students write and edit the news for a classroom daily paper, covering downtown beats in competition with the professional reporters on Eugene's afternoon newspaper. They also receive and handle news of the world over United Press teletype equipment installed in the news room, and process news, features, and pictures supplied by various syndicates. Editorials are prepared by members of the senior Editing class. Pages are dummed. In short, all 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 is located in the Journalism Building, a three-story brick structure erected in 1922. The school owns a liberal supply of typewriters for the use of journalism students. It has two copy desks, one being a testimonial gift from the newspapers of Oregon, expressing appreciation of the work of the school. Current files of many newspapers are kept in the school library. Teletype receiving and sending equipment has been recently installed.

Students in typography and newspaper-management courses do their laboratory work at the University Press, a model printing plant established specifically for instruction in journalism. 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		
	F	W	S
Elementary Journalism (J111, 112, 113).....	2	2	2
Survey of English Literature (Eng 101, 102, 103); or Physical-Science Survey (GS 104, 105, 106).....	3-4	3-4	3-4
Social science	3	3	3
Foreign language, mathematics, or philosophy	4-6	4-6	4-6
Physical Education	1	1	1
Military Science (men) or Health Education (women).....	1	1	1
	14-17	14-17	14-17
Sophomore Year			
Backgrounds of Publishing (J 311, 312, 313).....	3	2	2
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, Literature of the Modern World, Short Story, Principles of Economics, World History, English History, History of Philosophy, American Governments, General Psychology, General Sociology, General Anthropology, courses in biological or physical sciences, or both	6-9	6-10	6-10
	15-18	14-18	14-18

Junior Year

	Term hours		
	F	W	S
*Reporting (J 331, 332, 333) (advertising students take this sequence in the sophomore year).....	3	3	3
*Copyediting (J 334, 335, 336).....	2	2	2
General Advertising (J 439).....	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, Banking, and Economic Crises, 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
	17-18	17-18	17-18

Senior Year

*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, Typography, Estimating on Printing Jobs, International Trade, International Economic Policies, Conservation of Natural Resources, Economic Problems of the Pacific, Recent Germany, Recent Russia, Europe since 1919, History of China and Japan, International Organization and World Politics, Comparative Journalism.....	6-8	6-8	6-8
	14-16	14-16	14-16

Description of Courses

LOWER-DIVISION COURSES

- J 111, 112, 113. **Elementary Journalism.** 2 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.
- Eng 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, Thacher.

UPPER-DIVISION COURSES

- J 305. **Reading and Conference.** Terms and 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. Laboratory. Price, Hall.
- J 312. **Backgrounds of Publishing.** 2 or 3 hours winter.
Newspaper advertising: local, general, classified, legal. Techniques of space selling. Elementary retail advertising: layout, copy, use of mat services, rates, contracts. Laboratory. Millican, Hall.
- J 313. **Backgrounds of Publishing.** 2 or 3 hours spring.
Weekly newspaper management: income sources, newspaper-business law, official newspapers, postal regulations, newspaper merchandising, commercial printing, cost accounting and bookkeeping. Laboratory. Millican, Hall.

- J 331, 332, 333. **Reporting.** 3 hours each term.
Study of community affairs, courts, and public offices. News sources. Coverage by students of local news in competition with local newspaper. Work of city editor and rewrite man. Telephone reporting. Turnbull, Jermain.
- J 334, 335, 336. **Copyediting.** 2 hours each term.
Students serve in rotation as copyreader, news editor, exchange editor, librarian. Analysis of news, study of news values. Editing and headline writing. Copy furnished by Reporting class and wire services. Turnbull, Jermain.
- J 401. **Research.** Terms and hours to be arranged.
- J 405. **Reading and Conference.** Terms and hours to be arranged.
- J 407. **Seminar.** Terms and 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 expected to sell some of their products. Price.
- 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, the pamphlet, and the magazine during the last three hundred years, in relation to their economic, social, and political background. Turnbull.
- 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 431. **News Editing for Radio.** 2 hours fall.
History, theory, and practice of preparing news copy for radio broadcasting; adapting press-service and local newspaper copy for radio presentation; fitting press copy into radio time limitations. Prerequisite: J 331, 332, 333; J 334 or concurrent registration. Jermain, Turnbull.
- J 439. **General Advertising.** (G) 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 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. 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. 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 439. 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. 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 439, 440. Millican.

J 451, 452, 453. Graphic Journalism. 2 hours each term.

Limited to selected upper-division 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 459, 460. Comparative Journalism. (G) 2 hours each term.

Advanced study of the press, intended for students preparing for careers in journalism, education, business, or governmental administration. Study of the present-day press in the United States and abroad, with reference to the leading papers, news distributing agencies, and personalities. Price.

J 464, 465, 466. Typography. 1 hour each term.

Advanced work in printing. Prerequisite: J 311, 312, 313. Hall.

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. Hall.

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. Broadcasting. Methods by which an editor attains authentic points of view. Turnbull.

GRADUATE COURSES

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

J 503. Thesis. Terms and hours to be arranged.

Turnbull, Price.

J 505. Reading and Conference. Terms and hours to be arranged.**J 507. Seminar.** Terms and hours to be arranged.

For students having the necessary preparation for specialized original investigation. Turnbull, Price.

School of Law

Faculty

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, C. E. SPENCER*, V. A. VROOMAN, J. D. BARNETT (emeritus).

ASSOCIATE PROFESSOR: C. W. STIMSON.

ASSISTANT PROFESSORS: A. H. DENECKE, L. E. HARTWIG*.

SPECIAL LECTURER: K. J. O'CONNELL.

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 pre-law 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 non-theory 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 pre-legal 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 pre-law curriculum, exclusive of non-theory 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.

The attention of students intending to transfer to the University from other institutions and to enter the School of Law is called to the following University regulation: Every person applying for admission to the University must submit complete records of all school work beyond the eighth grade. For failure to submit complete records, the University may cancel the student's registration. This regu-

* On leave of absence 1945-46.

lation applies to work taken at other law schools, whether or not the student wishes to transfer credit.

Prelegal Curriculum. Students planning to enter upon the professional study of the law are required to complete a minimum of two years of prelegal work. Those who are in a position to do so are advised to spend three years in prelegal studies. In either case, a prelegal student should arrange a program of study which will meet all the general University requirements for the Junior Certificate by the end of the second year. In addition to general University requirements, the prelegal student is required to complete Constructive Accounting (BA 111, 112, 113).

Upon entering the University, each prelegal student is assigned an adviser from the faculty of the School of Law. A prelegal 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 of study that will provide such a background.

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 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.

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 the 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 degree, at least one year of which must be spent at this University. The School of Law reserves the right to withhold recommendation for a degree for 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 the Junior Certificate in this University, or the equivalent in another institution of recognized collegiate rank, 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 two years of 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.

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, the following rules are applied:

- (1) If the grades of the student earned elsewhere, when expressed in terms of the University of Oregon grading system, are not equivalent to a grade of C, 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 C.
- (2) If the grades earned elsewhere, when expressed in terms of the University grading system, are equal to or better than a grade of C, then only the grades earned at the University will be considered in determining whether the student has a minimum average of C.

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 Law Library contains more than 32,000 volumes. Its collections include gifts from the libraries of Lewis Russell, Judge Matthew P. Deady, Judge Robert Sharp Bean, Judge W. D. Fenton, and S. D. Allen. Judge Fenton's gift, known as the Kenneth Lucas Fenton Memorial Library, contains about 8,000 volumes. The Robert Sharp Bean Memorial Library contains about 1,000 volumes.

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 Law Book Prizes; Bancroft-Whitney Prize; Nathan Burkan Memorial Prizes; Lawyers Cooperative Prizes. For descriptions see pages 73-74.

Description of Courses

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.

FIRST-YEAR COURSES

- L 412, 413, 414. **Contracts.** 3 hours each term.
Formation of simple contracts; consideration; third-party beneficiaries; assignments; the Statute of Frauds; performance and breach; illegality; discharge. Costigan, *Cases on Contracts* (3rd edition). Howard.
- L 417. **Criminal Procedure.** 3 hours.
Jurisdiction; venue; initiating prosecution; arrest, extradition, preliminary hearing, bail, grand juries, indictment, arraignments; trial and proceedings after verdict. Mikell, *Cases on Criminal Procedure*. Not offered 1946-47.
- L 418. **Legal Bibliography.** 1 hour fall.
Legal reference materials; legislative enactments; judicial precedents; classes of law books; training in their mechanical use. Baker.
- 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*.
- L 422, 423, 424. **Torts.** 3 hours each term.
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* (3rd edition).
- L 425, 426. **Criminal Law.** 3 hours each term, fall and 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* (2nd edition).

- 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).
- L 429. **Equity I.** 3 hours winter.
General nature and scope of equity; injunctions; historical introduction; powers of courts of equity; principles governing the exercise of equitable powers. Cook, *Cases on Equity* (3rd edition).

SECOND-YEAR COURSES

- L 431. **Code Pleading.** 4 hours fall.
(a) Code pleading—actions; parties; the complaint; demurrers; the answer; the reply. (b) Procedure before trial. Sunderland, *Cases and Materials on Code Pleading*. Hollis.
- 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).
- 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 edition).
- 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. **Creditor's 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. Not offered 1946-47.
- 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. Woodruff, *Cases on Quasi Contracts* (3rd edition). Not offered 1946-47.
- 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. Maden, *Cases on Domestic Relations*.
- L 447, 448. **Partnership and Corporations.** 4 hours winter, 3 hours spring.
Partnerships, limited partnerships, joint-stock associations, business trusts, corporations; powers of management; claims against the enterprise; solvent dissolution. Magill and Hamilton, *Cases on Business Organization* (vol. II).
- L 450. **Agency.** 3 hours fall.
Nature of; creation; agent's duty to principal; rights of agent against principal; claims of third persons; ratification; undisclosed principal; termination. Magill and Hamilton, *Cases on Business Organization* (vol. I).

- 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*.
- L 452, 453. **Sales of Personal Property.** 3 hours winter, 2 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 and Britton, *Cases on Sales*. Howard.

THIRD-YEAR COURSES

- L 456. **Wills.** 3 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*.
- L 457. **Damages.** 3 hours.
General principles; procedural application; nominal and exemplary; compensatory; avoidable consequences; certainty; liquidated; damages in particular actions. Crane, *Cases on Damages*.
- L 458, 459. **Conflict of Laws.** 3 hours each term, winter and spring.
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* (4th edition).
- 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. Viesselman, *Cases and Materials on Trial Practice*. Moot court spring term. 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. Bingham, *Cases on Water Rights*. Not offered 1945-46.
- L 464. **Appellate Practice and Federal Practice.** 3 hours.
The jurisdiction and procedure of appellate and Federal courts. Hollis.
- L 467. **Administrative Law.** 3 hours spring.
History and development; creation, purpose, personnel, powers, duties of administrative tribunals; constitutional and legal limitations; review; procedure. Stason, *Cases and Materials on Administrative Tribunals*.
- 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. Hall, *Readings in Jurisprudence*. Not offered 1946-47.
- 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 rem-

- edies; transfer of trust property; liability of trustee; investment; extinguishment. Scott, *Cases on Trusts* (3rd edition).
- 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 1946-47.
- L 475. **Probate Administration.** 3 hours.
Executors and administrators; settlement of estate; notice to creditors, inventory and appraisal, collection and care of assets, taxes, payment of obligations, distribution.
- L 476. **Labor Law.** 3 hours.
History; combinations; legislative interference; strikes; trade agreements; boycotts; Federal intervention; employer interference. Landis, *Cases on Labor Law*.
- 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 on Legal Profession*.
- 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-evidence rule; witnesses. Morgan and Maguire, *Cases on Evidence*.
- L 481. **Trade Regulation.** 3 hours.
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.** 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* (3rd edition).
- L 484. **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 487. **Law of Municipal Corporations.** 3 hours.
The nature, constitution, powers, and liabilities of municipal corporations.
- L 501. **Legal Research.** Terms and 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.** Terms and hours to be arranged.
A maximum total of 3 hours' credit may be earned.

Medical School

DAVID W. E. BAIRD, M.D., Dean of the Medical School.
RICHARD BENJAMIN DILLEHUNT, M.D., Dean Emeritus of the Medical School.
WILLIAM A. ZIMMERMAN, B.S., Executive Secretary of the Medical School.
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 M.D. degree. 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, Oregon State College, 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 under COLLEGE OF LIBERAL ARTS 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 ten terms of clinical instruction coordinated with practice 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 for students planning to study nursing education is printed under COLLEGE OF LIBERAL ARTS 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, SIGURD NILSSEN, JANE THATCHER*, REX UNDERWOOD†.

ASSOCIATE PROFESSORS: MAUDE GARNETT, AURORA P. UNDERWOOD†.

ASSISTANT PROFESSORS: DONALD ALLTON, LOUIS ARTAU, RALPH BRIGGS, GEORGE BOUGHTON, ARNOLD ELSTON, J. H. STEHN.

INSTRUCTORS: SAGA BOUGHTON, JULIA M. BALZHISER, DORIS H. CALKINS, WINIFRED COLTON, S. L. GREEN, NAOMI KELLIS, MARLYN RIDOUT, A. W. SIEGRIST.

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, padded to minimize sound interference. In the studio wing are ten studios with Steinway grand

* On leave of absence 1945-46.

† On sabbatical leave 1945-46.

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.

A room in the Music Building has been equipped as a music library. The room contains a Steinway grand piano, a Capehart reproducing machine, 824 records, 251 scores, and 129 volumes of musical biography, criticism, etc., given to the University by the Carnegie Corporation; the Phi Beta library of rare scores; and the Mu Phi library of recorded music.

In addition to the Carnegie gift, the School of Music owns three reproducing machines, a recording instrument, two radios, a balopticon, approximately 800 records, 500 books, and 3,000 scores.

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 Division 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 selections 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 courses in applied music. These fees are due at the time of registration.

	Per term	
	One lesson per week	Two lessons per week
Piano		
Hopkins, George	\$30.00	\$50.00
Thacher, Jane	30.00	50.00
Underwood, Aurora Potter	30.00	50.00
Green, Stacey	30.00	50.00
Briggs, Ralph	30.00	50.00
Boughton, Saga	30.00	50.00
Elston, Arnold	25.00	45.00
Colton, Winifred	20.00	.....
Voice		
Nilsen, Sigurd	30.00	50.00
McGrew, Rose Elizabeth	25.00	45.00
Kellis, Naomi	20.00	40.00
Violin		
Underwood, Rex	30.00	50.00
Boughton, George	30.00	50.00
Violincello		
Colton, Winifred	30.00	50.00
Harp		
Calkins, Doris Helen	30.00	50.00
Organ		
Allton, Donald W.	30.00	50.00
Wind Instruments		
Ridout, Marlyn	20.00	.....
Siegrist, Adolph	20.00	.....
Stehn, John	15.00	30.00
Balzhiser, Julia	15.00	30.00

Private practice rooms may be reserved for the following fees: \$4.00 per term for one hour per 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 per day.

Curricula in Music

B.A., B.S., B.M., M.A., M.S., M.M. Degrees

STUDENTS are advised not to concern themselves in advance with the details of their study program. The 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 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 requirement for the first two years of the curriculum leading to the Bachelor of Music degree.

Freshman Year

	Term hours		
	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
Appreciation of Music (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

*Group requirements (psychology advised)	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 fit 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

	Term hours		
	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
Appreciation of Music (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

* 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 social science. Foreign language is not required for the B.S. degree.

Sophomore Year

	Term hours		
	F	W	S
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 (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

INSTRUMENTAL OPTION

Secondary Education (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 state teacher's certificate in Oregon, must complete 45 term hours of work beyond the requirements for a baccalaureate degree, which must include 15 term hours in education courses at the upper-division or graduate level.

CURRICULUM IN APPLIED MUSIC LEADING TO THE B.M. 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

* See note (*), page 222.

(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

	Term hours		
	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
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
Appreciation of Music (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

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.M. 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
Appreciation of Music (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

	Term hours		
	F	W	S
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

Description of Courses

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. Allton, Green.

Mus 114, 115, 116. Theory. 2 hours each term.

Intended for nonmajors. 3 recitations a week.

Mus 117, 118, 119. Ear Training, Solfeggio, Dictation. 2 hours each term.

Mus 127, 128, 129. Appreciation of Music. 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. 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. Rex Underwood.

Mus 197. Choral Union. 1 hour each term.

Six hours maximum credit. Kratt.

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 dis-cords. Introduction to counterpoint. Prerequisite: Mus 111, 112, 113. Allton, George Boughton.

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. Artau.

UPPER-DIVISION COURSES

- Mus 311, 312, 313. **Counterpoint I.** 2 hours each term.
Practical study of simple counterpoint, beginning with the various "species," introducing modal writing, and including the composition of original two- and three-part inventions. Prerequisite: Mus 211, 212, 213. Hopkins.
- 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. Required for candidates for the B.M. degree with a major in composition. Rex Underwood.
- 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. Rex Underwood.
- 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. Aurora P. Underwood.
- Mus 343, 344, 345. **Chamber Music.** 1 hour each term.
Prerequisite: consent of dean. Rex Underwood, Stehn.
- Mus 351, 352, 353. **Public-School Music Voice Class.** 2 hours each term.
Study of the voice problems of public-school music. Garnett, Nilssen.
- 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. Rex Underwood.

- Mus 397. **Choral Union.** 1 hour each term.
Six hours maximum credit. Kratt.
- Mus 405. **Reading and Conference.** Terms and hours to be arranged.
- Mus 407. **Seminar.** (G) Terms and 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.
Treatment of the chorale in figured counterpoint; double, triple, and quadruple; various forms of canon; the fugue in two, three, and four voices; application to composition in general. Prerequisite: Mus 311, 312, 313. Hopkins.
- 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. Artau.
- 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. Artau.
- 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. Artau.
- 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.** Terms and hours to be arranged.
- Mus 503. **Thesis.** Terms and hours to be arranged.
- Mus 505. **Reading and Conference.** Terms and hours to be arranged.
- Mus 507. **Seminar.** Terms and 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, Hopkins, Nilssen, Thacher, Rex Underwood.

School of Physical Education

RALPH WALDO LEIGHTON, Ph.D., D.Sc., Dean of the School of Physical Education.
HELEN D. STRONG, Secretary to the Dean.

PROFESSORS: FLORENCE D. ALDEN (emeritus), W. L. HAYWARD (emeritus), E. R. KNOLLIN, R. W. LEIGHTON, F. N. MILLER, HARRIET W. THOMSON, P. R. WASHKE.

ASSOCIATE PROFESSORS: N. P. E. ANDERSON*, H. S. HOYMAN, W. W. MASSEY, JANET G. WOODRUFF.

ASSISTANT PROFESSORS: E. E. BOUSHEY, H. A. HOBSON, L. A. MCGEE*, G. A. OLIVER, LOIS R. WENTWORTH.

INSTRUCTORS: MARY BERRY†, VAUGHN CORLEY, EDITH R. JACOBS, CATHERINE M. JONES, DOROTHA E. MOORE*, J. J. WAHL*, J. A. WARREN.

ASSISTANTS: MARY BOWMAN, SHIRLEY COX, FLORENCE L. HUPPRICH.

THE School of Physical Education offers professional training, both undergraduate and graduate, and service courses in health education, physical education, and recreation. Graduates of the School of Physical Education 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 managers; 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 through which students may prepare themselves for advanced training in physical therapy, or for professional service in the fields of recreation and with youth and community organizations. In some cases, students proceeding to graduate work in physical 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 Physical Education offers graduate work leading to the M.A. or M.S. degree. Advanced students may work for the Doctor

* On leave of absence 1945-46.
† Resigned Dec. 31, 1945.

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 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 of Physical Education*.

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 PE 114, 115, 116. Men students satisfy this requirement with PE 150. Either men or women may satisfy the requirement with PE 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 need and abilities after a health examination, given each entering freshman by the Health Service and the School of Physical Education. Whenever possible, the work is adapted to remedy physical defects.

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. Students are urged to make full use of the gymnasium facilities for exercise and recreation.

Intramural Sports. The School of 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 students. Student leadership for women's athletics is furnished by the Women's Athletic Association.

Facilities. The University's buildings 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

* 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 required work in these fields.

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 seats 6,500 spectators at athletic events and 8,000 persons when used as an assembly hall.

Playing fields stretching east and south of the Physical Education Building provide excellent facilities for outdoor class instruction and for intramural and intercollegiate sports. Hayward Stadium, the Associated Students' athletic field, has seats for 20,000 spectators. North of Hayward Stadium are fourteen standard concrete tennis courts.

Curricula in Physical Education

LOWER-DIVISION CURRICULUM

	Term hours		
	F	W	S
Freshman Year			
Introduction to Health and Physical Education (PE 121).....	2	—	—
Physical-education activities	2	2	2
Human Biology (Bi 111, 112, 113).....	3	3	3
Elements of Algebra	—	—	4
English Composition (Rht 111, 112, 113).....	3	3	3
Military Science (Mil 111, 112, 113) (men).....	1	1	1
Electives	4	6	2
	15	15	15
Sophomore Year			
Physical-education activities	2	2	2
Essentials of Physics (Ph 101, 102, 103).....	2	2	—
Elementary Chemistry (Ch 101, 102).....	4	4	—
Principles of Dietetics (FN 225).....	—	—	2
General Psychology (Psy 201, 202).....	3	3	—
Military Science (Mil 211, 212, 213) (men).....	1	1	1
Electives	4	4	9
	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 (PE 361, 362, 363).....	3	3	3
Human Physiology (Bi 311, 312, 313).....	3	3	3
Electives	5	5	5
	16	16	16
Senior Year			
Physical-education activities and coaching	2	2	2
Professional courses (PE 444, 445, 446).....	3	3	3
School health education (PE 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 (PE 361, 362, 363).....	3	3	3
Human Physiology (Bi 311, 312).....	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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Description of Courses

SERVICE COURSES

LOWER-DIVISION COURSES

PE 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. Moore.

PE 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 freshman men. 1 period. Hoyman.

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.

PE 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 PE 114, 115, 116; men who have had PE 150 may take PE 250 for 2 hours credit only. Hoyman.

PE 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.

PE 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.

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

Bi 111, 112, 113. Human Biology. 3 hours each term.

Introduction to human biology, designed especially for majors in physical education. Special consideration in the spring term to immunology and bacteriology. 2 lectures, 1 three-hour laboratory period each week.

PE 121. Introduction to Health and Physical Education. 2 hours fall.

Designed to give the student an overview of professional service in the fields of health, physical education, and recreation—their nature, scope, and functions.

PE 124, 125, 126. Physical-Education Activities (Women). 2 hours each term.

For majors. Instruction and practice. Fall: elementary body-conditioning activities, field hockey; winter: tumbling, elementary swimming; spring: folk dancing, tennis.

PE 127. Cross Country (Men). 2 hours fall.

For majors. Conditioning exercises, group drills.

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

For majors. Principles of conditioning.

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

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

PE 224, 225, 226. Physical-Education Activities (Women). 2 hours each term.

For majors. Instruction and practice. Fall: body conditioning and swimming; winter: elementary modern dance, advanced swimming; spring: advanced modern dance, track and field.

PE 227. Elementary Aquatics (Men). 2 hours fall.

For majors. Elementary swimming, diving, water polo.

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, hockey.

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, body-conditioning 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.
- PE 328. **Advanced Tumbling and Apparatus (Men)**. 2 hours winter.
For majors.
- PE 329. **Team Sports (Men)**. 2 hours spring.
For majors. Baseball, softball.
- 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. Leighton.
- 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. Woodruff.
- 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. Leighton, Woodruff.
- 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 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.
- 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.
- PE 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 physical education, or consent of instructor. Hoyman.
- PE 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 physical education, or consent of instructor. Hoyman.
- PE 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 physical education. Hoyman.
- PE 403. **Thesis**. Terms and 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**. Terms and 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**. Terms and 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. Woodruff.
- PE 424, 425, 426. **Physical-Education Activities (Women)**. 2 hours each term.
For majors. Advanced practice and teaching techniques. Fall: basketball, badminton, small-court games; winter: modern dance; spring: archery, tennis.
- PE 427. **Team Sports (Men)**. 2 hours fall.
For majors. Six-man football and touch football; basketball.
- PE 428. **Advanced Combatives (Men)**. 2 hours winter.
For majors. Boxing, wrestling, judo.
- PE 429. **Individual Sports (Men)**. 2 hours spring.
For majors. Golf, tennis.
- 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. Woodruff.
- 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. Leighton.
- 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. Thomson.
- 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. Oliver.
- PE 451. **Football Coaching**. 2 hours spring.
Rules, systems of play, strategy, responsibilities of the coach, public relations, conference organization. Oliver.
- 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. Hobson.
- 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. Hobson.
- 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. Hobson.
- 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. Hobson.
- 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. Hayward.
- PE 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: PE 361, 362, 363 or consent of instructor. Hoyman.
- PE 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: PE 361, 362, 363 or consent of instructor. Hoyman.
- 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: 2 years of biology, senior standing. Thomson.
- PE 472. **Kinesiology.** 3 hours winter.
Body mechanics, applied to calisthenics, gymnastics, and athletics. Prerequisite: PE 471. Thomson, Massey.
- 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. Thomson, Massey.
- PE 481, 482, 483. **Theory and Practice of the Dance.** (G) 2 hours each term.
Fall: dance history; winter: the theory of the dance; spring: development since 1900, the dance in education, dance production. Prerequisite: senior standing and one year of dance, or consent of instructor. 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) or (g) may be taken for graduate credit.

- PE 501. **Research in Health and Physical Education.** Terms and hours to be arranged.
- PE 503. **Thesis.** Terms and hours to be arranged.
- PE 505. **Reading and Conference.** Terms and hours to be arranged.
- PE 506. **Special Problems.** Terms and hours to be arranged.
Study of selected problems in the field of physical education, health education, or recreation.
- PE 507. **Seminar.** Terms and hours to be arranged.
A seminar dealing with some special aspect of health, physical education, or recreation is 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. Thomson.
- PE 531, 532, 533. **Physical-Therapy Studies.** Hours to be arranged.
The agencies, their uses; specific studies and techniques of importance to physical educators. Thomson.
- PE 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: PE 464 or consent of instructor. Hoyman.
- PE 551, 552, 553. **Administration of Physical Education.** 3 hours each term.
Organization and administration programs; correlation with the total school program; equipment and building needs. Fall, physical education; winter, health education; spring, recreation. Leighton, Hoyman, Boushey.
- 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. Massey.
- PE 563. **Training and Conditioning for Athletics.** 3 hours spring.
A physician's 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, 572. **Affective Phases of Education.** 3 hours each term, winter and 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.

Department of Military Science and Tactics

WILLIAM S. AVERILL, B. S., Major, Infantry; Professor of Military Science and Tactics; Head of Department.

INSTRUCTORS: MASTER SERGEANT C. R. BIRKES, FIRST SERGEANT M. D. MUDD, STAFF SERGEANT B. R. FIRMAN.

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. The program of military instruction for civilian students includes a two-year Basic Course and a two-year Advanced Course.

Basic Course. The Basic Course includes military drill and classes designed to provide an understanding of Army procedures and the principles of national defense. All male students under 26 years of age, who are physically fit to perform R.O.T.C. activities, and who are citizens of the United States, are required to take the Basic Course during their freshman and sophomore years, unless excused.* A standing committee of the faculty investigates and passes on applications for exemption. As grounds for exemption, the committee takes into consideration physical incapacity and conscientious objections to military service.

Students enrolled in the Basic Course are uniformed and equipped at the expense of the United States Army. They are not, however, in military service and assume no military obligations.

Advanced Course. The Advanced Course, to which selected upper-division students are admitted, leads to a reserve commission in the Infantry of the United States Army, if successfully completed.

The requirements for eligibility for admission to the Advanced Course are: (1) completion of the two-year Basic Course or one year of active duty in the armed forces of the United States; (2) a score of 110 in the Army General Classification Test; (3) physical fitness (the student must pass the Army physical examination for commissioned officers); (4) junior standing (no student will be admitted who will not be able to complete the two-year course before graduation); (5) a satisfactory scholastic record.

Students in the Advanced Course receive commutation of rations as determined by the Army (66 cents per day in 1946), except during the six-week summer camp, during which period rations and quarters are furnished by the Army. Students are issued officer-type uniforms or are paid a monetary allowance in lieu of this issue. Textbooks and reference books are provided by the Army.

Description of Courses

LOWER-DIVISION COURSES

Mil 111, 112, 113. **First-Year Basic Course.** 1 hour each term.

Orientation; military courtesy and discipline; organization of the Army; equipment and clothing; first aid; field sanitation; safeguarding military

* Veterans of World War II are allowed credit for military training received in the armed services, and are exempt from the military-science requirement. See OPPORTUNITIES FOR VETERANS AT THE UNIVERSITY OF OREGON, page 12.

information and military censorship; concealment and camouflage; cover and movement; self protection; extended order drill; marches and bivouacs; close order drill. 3 hours a week.

Mil 211, 212, 213. **Second-Year Basic Course.** 1 hour each term.

Elementary map and photograph reading; scouts, observers, and messengers; weapons, mechanical training; personal and sex hygiene; patrol operations; tent pitching; interior guard duty; marches and bivouacs; extended order drill; close order drill. 3 hours a week.

UPPER-DIVISION COURSES

Mil 311, 312, 313. **First-Year Advanced Course.** 3 hours each term.

Army vehicles and aircraft; basic infantry tactics; classification procedures and utilization of manpower; combined arms; communications; current organization of the Army; drill, ceremonies, and inspections; principles of leadership; health of personnel; individual tactics; interior guard duty; map and aerial photo reading; mess management; military courtesy, discipline, and customs of the Army; military instruction; military laws and boards of officers; principles of intelligence; reconnaissance and security; R.O.T.C. and national defense; supply management; unit administration; weapons. 5 hours a week.

Mil 411, 412, 413. **Second-Year Advanced Course.** 3 hours each term.

Not offered 1946-47.

Graduate Division

OLOF LARSELL, Ph.D., Sc.D., Dean and Director of the Graduate Division, Oregon State System of Higher Education.

HOWARD RICE TAYLOR, Ph.D., Associate Dean of the Graduate Division, in charge at the University.

WILLIBALD WENIGER, Ph.D., Associate Dean of the Graduate Division, in charge at the State College.

SHIRLEY PETERSON, Secretary to the Dean.

CLARA LYNN FITCH, Secretary of the Graduate Division at the University.

ZETA ELAINE REED, Secretary of the Graduate Division at the State College.

Graduate Councils

General Graduate Council. OLOF LARSELL, H. R. TAYLOR, WILLIBOLD WENIGER, J. F. CRAMER, J. R. JEWELL, E. L. PACKARD, FLORENCE BLAZIER, P. M. BRANDT, S. H. GRAF, R. R. HUESTIS, D. C. MOTE, P. W. SOUERS, E. S. WEST.

University Graduate Council. OLOF LARSELL (chairman), H. R. TAYLOR (vice-chairman), J. F. CRAMER, ARNOLD ELSTON, R. R. HUESTIS, C. L. KELLY, R. W. LEIGHTON, E. H. MOORE, P. W. SOUERS, F. L. STETSON, PIERRE VAN RYSELBERGHE, L. A. WOOD.

Medical School Graduate Council. OLOF LARSELL (chairman), HENRIETTA DOLTZ, R. A. FENTON, H. F. HANEY, M. C. RIDDLE, E. S. WEST.

State College Graduate Council. OLOF LARSELL (chairman), WILLIBALD WENIGER (vice-chairman), P. M. BRANDT, J. F. CRAMER, W. H. DRESEN, S. H. GRAF, D. C. MOTE, P. B. PROCTOR, C. W. SALSER.

Graduate Study

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 the field of independent scholarship.

Graduate study in the Oregon State System of Higher Education is defined to include all study beyond the bachelor's degree, in other than strictly professional curricula. By professional curricula are meant clearly defined and sharply specialized curricula, such as those in law and medicine, leading to professional degrees.

Advanced degrees were conferred occasionally at the University from the earliest days. In 1897 definite requirements of resident work were established for

the master's degree. Graduate instruction was placed under the administrative control of the Graduate school in 1899-1900.

At the State College, the first advanced degree (A.M.) was conferred in 1876; in 1910 graduate study was placed under the administrative control of a special standing committee of the faculty.

In 1933 all graduate work in the State System was coordinated under the Graduate Division.

Organization of Graduate Division

THE Graduate Division has jurisdiction over all graduate study in the State System leading to other than strictly professional degrees. The Graduate Division is administered through the graduate dean, the associate graduate deans at the University of Oregon and Oregon State College, and the graduate councils at the University, the State College, and the University of Oregon Medical School.

A State System General Graduate Council formulates policies for the improvement and coordination of the program of graduate instruction and research of the State System as a whole, and facilitates cooperation between the institutions in the development of common procedures in the administration of graduate work and uniform standards of graduate scholarship. The membership of the General Graduate Council includes the graduate dean, the associate deans, the dean of general research, the dean of general extension, the dean of education, and representatives from the institutional graduate councils.

The institutional graduate councils have jurisdiction over the policies and procedures of graduate work within their respective institutions. The formulation of departmental graduate programs and the working out and direction of the programs of individual students are responsibilities of the departments; but no department has authority to waive or supersede the general rules or requirements of the Graduate Division.

Institutional Allocation of Graduate Work

ON the basis of the allocations of curricula in the Oregon State System of Higher Education, all graduate study leading to advanced degrees at the institutions of the State System has been allocated by curricula or major subjects as follows:

University of Oregon—Liberal arts and sciences, and the professional fields of architecture and allied arts, business administration, education, journalism, law, medicine (at the Medical School in Portland), music, and physical education.

Oregon State College—The biological sciences, the physical sciences (including mathematics), and the professional and technical fields of agriculture, education, engineering, forestry, home economics, and pharmacy.

In certain fields graduate work may be carried on at the Portland Extension Center, leading to degrees, through the Graduate Division, from the University or the State College.

Students may be enrolled for major work on one campus and for minor work on another.

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 is admitted to the Graduate Division upon filing with the Registrar an application for admission and official transcripts of his academic record (including all undergraduate and graduate work). Such admission, however, 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 Division, 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 Division 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. Grades below C are not accepted for graduate credit.

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 catalogs 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. Graduate students registered for seven term hours of work or more pay a fee of \$34.00 a term. Graduate students do not pay the non-resident fee. Graduate students registered for six term hours or less pay the regular part-time fee (see page 59). Payment of the graduate fee 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. (See page 59).

Master of Arts and Master of Science

Credit Requirement. For the departmental Master of Arts or Master of Science degrees, 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 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 Master of Arts (General Studies) degree 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 of the Oregon State System of Higher Education, 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 in one language), 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 Master of Arts (departmental) 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 must 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 associate dean of the Graduate Division.

The examination may cover any work done at another institution for which transfer of 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 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 the 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 present to the Graduate 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 at the Graduate Office.

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. At the University, 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.

The examination committee is nominated by the student's adviser, subject

to the approval of the associate dean of the Graduate Division, who is *ex officio* a member of all examining committees.

Master of Arts (General Studies). See page 250.

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; this degree does not rest on any computation of time or enumeration of courses; 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 Division 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.

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 Office 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 associate dean of the Graduate Division.

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 campus of the University of Oregon or the University of Oregon Medical School.

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 giving 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 associate dean of the Graduate Division. Five members of the examining committee are designated to read the thesis and determine its acceptability. Unanimous vote is necessary for approval of the thesis.

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 study 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.M. 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.M. 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 Doctor of Education degree, 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 graduate dean and the associate graduate dean are ex officio members 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 Division, and to become candidates for advanced degrees. Assistants, scholars, and fellows pay the same fees as other graduate students. Application should be made before March 15. Application blanks are furnished on request by the Graduate Division.

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. A graduate assistant renders services amounting to not more than 15 hours a week—reading papers, handling laboratory and quiz sections, etc. He is permitted to enroll for a maximum of 12 term hours of course work. The stipend is ordinarily \$660 a year.

A part-time graduate assistant receives \$330 a year. His maximum course load is 15 term hours.

Research Assistantships. A research assistant aids a faculty member in carrying on a research project. Compensation and enrollment limitations are the same as for a graduate assistant.

Teaching and Research Fellowships. A fellow is normally a person proceeding toward the doctorate, with at least one year of markedly superior work toward that degree completed. The teaching fellow gives instructional assistance in his department. The duties of a research fellow are similar to the duties of a research assistant; a fellow is, however, expected to assume greater responsibility in connection with the research project to which he is assigned. Fellows are allowed to enroll for a maximum of 12 term hours of course work. The stipend is \$912 a year.

State Scholarships. A limited number of scholarships covering tuition and laboratory and course fees 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.

Arthur P. Pratt Scholarship. The Arthur P. Pratt Scholarship is awarded annually to a graduating senior of the University of Oregon, as an aid to post-graduate 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 Mr. John G. Foster of Eugene, and is named in honor of Mr. Arthur P. Pratt of Los Angeles, California.

Graduate Work at the University

GRADUATE work at the University is carried on under the auspices of the Graduate Division, and under the direction of the associate dean of the Graduate Division and the Graduate Council of the University. Correspondence relating to graduate work in the fields allocated to the University should be addressed to the Graduate Division, University of Oregon, Eugene, Oregon, or to the department concerned.

The following advanced degrees are granted by the University through the Graduate Division.

Doctor of Philosophy: 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, Classics, Economics, Education, English, Geography, Geology, German, History, Journalism, Landscape Architecture, Mathematics, Medical Sciences, Music, Pacific Basin Studies, Philosophy, Physical Education, Physics, Political Science, Psychology, Romance Languages, Sociology.

Master of Arts (General Studies).

Master of Science: Anthropology, Architecture, Art, Biology, Business Administration, Chemistry, Economics, Education, English, Geography, Geology, History, Journalism, Landscape Architecture, Mathematics, Medical Sciences, Music, Pacific Basin Studies, Philosophy, Physical Education, Physics, Political Science, Psychology, Sociology.

Master of Fine Arts: Art and Architecture, Landscape Architecture.

Master of Architecture: Architecture.

Master of Business Administration: Business Administration.

Master of Education: Education.

Master of Landscape Architecture: Landscape Architecture.

Master of Music: Music.

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. Work toward these degrees is offered as an integral part of the program of the Graduate Division, and is subject to the rules and regulations of the Graduate Division. 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 Master of Arts (General Studies) degree 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 Master of Arts (departmental) 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 or the State College according to major subject, in harmony with the allocation of curricula and degrees.

Graduate Work at the State College

GRADUATE work at the State College is carried on under the auspices of the Graduate Division, and under the direction of the associate dean of the Graduate Division and the Graduate Council of the State College. Correspondence relating to graduate work in the fields allocated to the State College should be addressed to the Graduate Division, Oregon State College, Corvallis, Oregon, or to the department concerned.

The following advanced degrees are granted by the State College through the Graduate Division:

Doctor of Philosophy: Agriculture, Bacteriology and Hygiene, Botany, Chemistry, Engineering, Entomology, Geology, Home Economics, Mathematics, Physics, Zoology.

Doctor of Education: Education.

Master of Arts (Departmental): Bacteriology and Hygiene, Botany, Chemistry, Education, Engineering, Entomology, Geology, Home Economics, Mathematics, Pharmacy, Physics, Zoology.

Master of Arts (General Studies).

Master of Science: Agriculture, Bacteriology and Hygiene, Botany, Chemistry, Education, Engineering, Entomology, Forestry, Geology, Home Economics, Mathematics, Pharmacy, Physics, Zoology.

Master of Education: Education.

Master of Forestry: Logging Engineering, Technical Forestry, Wood Products.

Engineer: Chemical Engineering (Ch.E.); Civil Engineering (C.E.); Electrical Engineering (E.E.); Forestry, including Logging Engineering, Technical Forestry, and Wood Products (F.E.); Mechanical Engineering (M.E.); Mining Engineering (Mi.E.).

Master of Arts (General Studies)

IN addition to the regular Master of Arts (departmental) degree, the University and the State College offer the degree of Master of Arts (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 several departments. 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 general-studies program at the University is supervised by a special committee of which Dr. Elon Howard Moore is chairman.

In addition to courses chosen from the offerings of the several University schools and departments, the following courses are available for the general-studies student:

GSt 501. **Research in General Studies.** Terms and hours to be arranged.

GSt 503. **Graduate Thesis.** Terms and hours to be arranged.

GSt 505. **Reading and Conference.** Terms and hours to be arranged.

Part IV

Research Extension Enrollment and Degrees Indexes

Research

ADVANCEMENT of human knowledge and technical and technological service to the commonwealth are recognized functions of institutions of higher learning. Research in the Oregon State System of Higher Education is encouraged and assisted through the General Research Council and divisional councils, and by such special institutional agencies as the Commonwealth Service Council of the University of Oregon and the Agricultural Experiment Station and the Engineering Experiment Station of Oregon State College.

General Research Council

General Council. E. L. PACKARD (chairman), OLOF LARSELL (vice-chairman), W. F. ALLEN, C. B. BEALL*, O. K. BURRELL, R. R. HUESTIS, R. W. LEIGHTON, R. J. MAASKE, F. O. McMILLAN, W. E. MILNE, W. A. SCHOENFELD, H. R. TAYLOR, WILLIBALD WENIGER.

Language, Literature, Art Divisional Council. C. B. BEALL* (chairman), LOUIS ARTAU, F. M. COMBELLACK (acting chairman), J. L. FAIRBANKS, R. D. HORN, J. M. KIERZEK, E. C. A. LESCH, G. F. LUSSKY.

Social Science Divisional Council. O. K. BURRELL (chairman), G. A. BAKKUM, VERA H. BRANDON, L. S. CRESSMAN, W. H. DREESSEN, J. W. ELLISON, J. T. GANOE, C. L. HUFFAKER, E. L. JOHNSON, R. W. LEEPER, WALDO SCHUMACHER, H. G. TOWNSEND, G. S. TURNBULL, L. A. WOOD.

Natural Science Divisional Council. W. E. MILNE (chairman), W. B. BOLLEN, A. E. CASWELL, B. E. CHRISTENSEN, P. M. DUNN, MARGARET L. FINCKE, S. H. GRAF, E. T. HODGE, R. R. HUESTIS, A. H. KUNZ, D. C. MOTE, ETHEL I. SANBORN, WILLIBALD WENIGER, E. S. WEST.

Medical Science Divisional Council. W. F. ALLEN (chairman), N. W. JONES, OLOF LARSELL, F. R. MENNE, F. R. MOUNT, H. J. SEARS, E. S. WEST.

THE General Research Council was established as an interinstitutional organization by the State Board of Higher Education for the purpose of stimulating the development of research among the staff members of the State System whose projects do not fall within the organized programs of other research agencies at the University and State College.

By subsequent action of the State Board, four divisional councils have been designated as follows: Language, Literature, Art; Science; Social Science; Medical Science. The divisional councils are advisory bodies assisting in the encouragement of research in their respective fields, in the development of cooperative research, and in the examination and evaluation of all projects for which research funds are requested.

The dean and director of general research is chairman of the General Research Council and the budgetary officer. The General Research Council is concerned with the general policies affecting the research interests of staff members. It prepares annually and submits a budget for the support of general research. The

* On leave of absence 1945-46.

council is authorized to make grants-in-aid to approved research projects initiated by staff members of the institutions of the State System. The General Research Council also assigns research assistants and fellows to approved projects requiring the technical assistance of graduate students. Assistantships and fellowships carry stipends of \$660 and \$912, respectively. Appointments are made jointly by the Research Council and the Graduate Division.

University Research Agencies

COMMONWEALTH SERVICE COUNCIL

CALVIN CRUMBAKER (chairman), J. H. GILBERT, C. L. HUFFAKER, E. H. MOORE, V. P. MORRIS, W. D. SMITH.

Bureau of Business Research. V. P. MORRIS (chairman), W. C. BALLAINE, O. K. BURRELL, E. G. DANIEL.

Bureau of Educational Research. C. L. HUFFAKER (chairman), J. R. JEWELL, LEONA TYLER.

Bureau of Municipal Research and Service. E. L. JOHNSON (chairman), W. C. BALLAINE, J. H. GILBERT, HERMAN KEHRLI. HERMAN KEHRLI, Director; HAROLD WYATT*, Assistant Director; M. PAULINE MARIS, Acting Assistant Director; K. J. BELSER, Planning Consultant; HENRY BEISTEL, JEAN HANNAY, Research Assistants.

LEGISLATIVE SERVICE AND REFERENCE BUREAU

D. E. CLARK, J. H. GILBERT, O. J. HOLLIS, V. P. MORRIS.

RESearch studies undertaken as a direct, practical service to the state are sponsored and encouraged by the University through the Commonwealth Service Council. Functioning bureaus and committees are organized to act under the council in special fields and projects.

It is the purpose of the council to plan and to initiate programs of commonwealth service, and to coordinate the activities of the several service bureaus and committees. The council has power to select projects and problems for study and to assign them to members of the University staff or to bureaus or committees most capable of handling them. All service bureaus and committees are responsible to the council for reports on their projects and activities. It is intended that the council should have a broad, comprehensive grasp of the needs of the state for service studies, and of the resources of the University for meeting these needs.

Each functioning unit of the Commonwealth Service Council acts as a budgetary group, and makes its own budget requests for research and for the publication of studies.

Bureau of Municipal Research and Service. The Bureau of Municipal Research and Service sponsors a comprehensive program of research and service in the field of local government. Studies range from basic surveys of local government in Oregon to studies of special community problems, undertaken at the request of Oregon cities. The bureau has also cooperated with the Governor

* On leave of absence 1945-46.

and the State Legislature on important surveys in the broader field of state government and welfare. Among the services provided are: a Municipal Reference Library, a consultant service on special problems of municipal government, weekly radio programs on municipal problems over KOAC, a series of mimeographed information bulletins. The program of the bureau is carried on in cooperation with the League of Oregon Cities, of which the director of the bureau is executive secretary.

Legislative Service and Reference Bureau. The Legislative Service and Reference Bureau of the state of Oregon was established by act of the State Legislature in 1919. The law provides that the bureau shall consist of five members of the faculty of the University of Oregon, appointed by the Governor, and shall include "the heads of the departments of law, economics, history, and commerce, or the corresponding departments." The duties of the bureau are: "Upon request of any member or members elect of the legislature or upon request of the several state departments, to conduct research into questions of importance and legislative interest and to compile, chart and index the results of such research for public use. Upon request of members or members elect of the legislature, to draft bills for presentation to the Oregon legislature, avoiding all ineffective wording and conflict with other laws."

Bureau of Business Research. See SCHOOL OF BUSINESS ADMINISTRATION.

Bureau of Educational Research. See SCHOOL OF EDUCATION.

Extension

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.

General Extension Division

Administration

JOHN FRANCIS CRAMER, D.Ed., Dean and Director of General Extension and Summer Sessions; Professor of Education.
HENRY EUGENE STEVENS, D.Ed., Assistant Director of General Extension and Summer sessions; Associate Professor of Education.
WILLIAM GILBERT BEATTIE, B.A., Assistant Director Emeritus of General Extension; Professor Emeritus of Education.
MARY E. KENT, B.A., Eugene Office Manager; Assistant Professor of Extension Teaching.

Correspondence Study

MOZELLE HAIR, B.A., Head of Correspondence Study; Assistant Professor of Sociology.
CARMEN W. YOKUM, B.S., Mimeograph Clerk.

State-Wide Extension Classes

HENRY EUGENE STEVENS, D.Ed., Assistant Director of General Extension.
RICHARD M. BENSON, Ed.D., Field Representative.
LAWRENCE M. TOMLINSON, M.Ed., Secretary.

Portland Extension Center

MARGARET MORRISON SHARP, Administrative Assistant.
MAURINE W. CHURCHILL, Secretary.
MABLE HOLMES PARSONS, M.A., Professor of English.
ALFERD POWERS, B.A., Professor of Journalism.
PERCY M. COLLIER, B.A., LL.B., Associate Professor of English.

* 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.

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

Radio Station KOAC

JAMES M. MORRIS, B.S., Acting Program Manager; Director of News Programs; Instructor in Radio Speech.
ZELTA FEIKE RODENWALD, M.S., Director of Women's Programs; Assistant Professor of Home Economics Extension.
RICHARD E. FUSON, M.A., Director of Music.
MARGARET SAUERWEIN, Secretary.

Visual Instruction

WILLIAM CURTIS REID, Ph.D., Head of Department; Associate Professor of Visual Instruction.
FERN W. STANTON, Secretary.

In-Service Extension in Elementary Education

HARVEY EDGAR INLOW, M.A., LL.B., Head of Department; Professor of Elementary Teacher In-Service Extension Education.

Summer Sessions

JOHN FRANCIS CRAMER, D.Ed., Director of Summer Session; Director of Portland Summer Session.
DOROTHY P. METCALF, Secretary of Summer Sessions.

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, and administers the summer sessions of the institutions of the State System. 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; at Monmouth: In-Service Extension in Elementary Education.

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 a hundred evening, late afternoon, and Saturday morning courses in twenty-six different departments and professional schools were offered during the academic year 1945-46. 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 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 is published listing 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 daytime, 1,000 watts power evening, on a frequency of 550 kilocycles by authority of the Federal Communications Commission. Announcements of radio programs are issued periodically, and will be furnished on request.

Summer Sessions. The summer sessions of the several institutions, although a phase of resident instruction, are administered under the General Extension Division. At the University, the State College, and the three state colleges of education, the 1946 summer sessions have been organized as full summer quarters, made up of two five and one-half week sessions. The summer program of the Portland Extension Center includes a full eleven-week quarter of evening classes and a six-week daytime summer session. The summer program also includes a six-week session of the Institute of Marine Biology at Coos Head on the Oregon coast. Both undergraduate and graduate courses are offered at the University, State College, and Portland sessions, and at the Institute of Marine Biology. Information concerning the summer sessions is issued in separate bulletins.

Summary of Enrollment and Degrees Granted 1944-45

ENROLLMENT BY CURRICULUM AND CLASS, REGULAR SESSIONS, 1944-45*

Curriculum	Fr.	So.	Jr.	Sr.	Gr.	Sp., Aud.	Total
College of Liberal Arts:							
Lower Division	562	406	.....	.....	.....	38	1,006
General Arts and Letters .....	.....	.....	.....	1	.....	.....	1
General Science .....	.....	.....	.....	1	.....	.....	2
General Social Science .....	.....	.....	1	1	.....	.....	4
Anthropology .....	.....	.....	2	1	1	.....	4
Biology .....	.....	.....	6	4	4	.....	14
Chemistry .....	.....	.....	.....	1	3	.....	4
Classics .....	.....	.....	.....	1	.....	.....	1
Economics .....	.....	.....	3	2	.....	.....	5
English .....	.....	.....	12	21	9	.....	42
Geology and Geography .....	.....	.....	1	1	2	.....	4
Germanic Languages .....	.....	.....	.....	1	.....	.....	1
History .....	.....	.....	3	5	6	.....	14
Mathematics .....	.....	.....	1	1	2	.....	4
Pacific Basin Studies .....	.....	.....	.....	.....	.....	.....	.....
Philosophy .....	.....	.....	1	.....	1	.....	2
Physics .....	.....	.....	.....	.....	2	.....	2
Political Science .....	.....	.....	1	.....	1	.....	2
Psychology .....	.....	.....	11	14	4	.....	29
Romance Languages .....	.....	.....	4	8	5	.....	17
Sociology .....	.....	.....	18	22	2	.....	42
Total College of Liberal Arts	562	406	64	84	42	38	1,196
School of Arch. and Allied Arts	129	63	12	15	4	14	237
School of Bus. Administration	139	72	22	25	7	6	271
School of Education	10	17	7	19	19	2	74
School of Journalism	86	52	13	15	2	3	171
School of Law	33	10	4	7	8	2	64
School of Music	50	45	7	11	6	3	122
School of Physical Education	29	25	3	9	11	2	79
General Studies .....	.....	.....	.....	.....	2	.....	2
Auditors .....	.....	.....	.....	.....	.....	29	29
Totals, civilian students	1,038	690	132	185	101	99	2,245
Army Programs, July to Dec. 1944 .....	.....	.....	.....	.....	.....	.....	43

ENROLLMENT BY SEX AND RANK, REGULAR SESSIONS, 1944-45*

Rank	Men	Women	Total
Graduate students	43	58	101
Undergraduate students	531	1,613	2,144
Totals	574	1,671	2,245

ENROLLMENT IN SUMMER SESSIONS*

Rank	Men	Women	Total
Quarter	83	52	135
First Session	165	277	442
Second Session	126	134	260
Duplicates	-176	-147	-323
Net Totals, excluding duplicates	198	316	514

* These totals do not include enrollment at the University of Oregon Medical School in Portland. Enrollment at the Medical School for 1944-45 totaled 913, including 381 medical students and 532 nursing students. For a detailed analysis of Medical School enrollment, see the Medical School Catalog.

ENROLLMENT IN GENERAL EXTENSION DIVISION

July 1, 1944—June 30, 1945

	Undergraduates			Graduates			Total		
	Men	Women	Total	Men	Women	Total	Men	Women	Total
Extension Classes:									
Portland Center	642	2,278	2,920	67	114	181	709	2,392	3,101
State-wide									
Albany	7	22	29				7	22	29
Astoria	11	66	77				11	66	77
Baker	1	29	30		4	4	1	33	34
Coos Bay	3	46	49				3	46	49
Corvallis*	64	65	129	47	7	54	111	72	183
Eugene	62	406	468	2	3	5	64	409	473
Grants Pass	4	14	18				4	14	18
Hood River†	50	87	137				50	87	137
Klamath Falls	16	73	89				16	73	89
Lakeview	1	7	8				1	7	8
Salem	9	87	96				9	87	96
Total, state-wide classes	228	902	1,130	49	14	63	277	916	1,193
Correspondence Study:									
New registrants	1,351	1,003	2,354				1,351	1,003	2,354
Students registered before July 1, 1944, who are still enrolled	1,008	681	1,689				1,008	681	1,689
Total Correspondence study	2,359	1,684	4,043				2,359	1,684	4,043
Grand Total, extension classes and correspondence study	3,229	4,864	8,093	116	128	244	3,345	4,992	8,337

SUMMARY OF DEGREES GRANTED, 1944-45

Advanced Degrees	
Doctor of Laws (honorary)	1
Doctor of Science (honorary)	1
Doctor of Philosophy	5
Doctor of Education	2
Doctor of Medicine	136
Master of Arts	9
Master of Science	12
Master of Business Administration	1
Master of Education	2
Total	169
Bachelor's Degrees	
Bachelor of Arts	105
Bachelor of Science	201
Bachelor of Architecture	1
Bachelor of Business Administration	1
Bachelor of Education	5
Bachelor of Laws	1
Bachelor of Music	3
Total	317
Total Degrees Granted	486†

* Includes 54 students in AEc 505. Course arranged through Corvallis. Classes held in Corvallis, Grants Pass, La Grande, and Pendleton.

† Includes Pine Grove students, as well as Hood River students.

‡ This total does not include 24 certificates granted as follows: 3 in Nursing Supervision, 18 in Public Health Nursing, 3 in Ward Supervision.

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