

**Catalog Issue
1948 - 49**



UNIVERSITY OF OREGON

Medical School

PORTLAND • OREGON



**OREGON STATE SYSTEM
OF HIGHER EDUCATION
BULLETIN**

UNIVERSITY OF OREGON
MEDICAL SCHOOL

CATALOG

1948-49



Portland, Oregon

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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.

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	Term Expires
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LEIF S. FINSETH, Dallas.....	1952
PHIL METSCHAN, Portland.....	1953
HENRY F. CABELL, Portland.....	1954
EDGAR W. SMITH, Portland.....	1955
A. S. GRANT, Baker.....	1956
CHERYL S. MACNAUGHTON, Portland.....	1957

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Office of the State Board of Higher Education
Eugene, Oregon

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HIGH-SCHOOL RELATIONS

DEAN ANDERSON.....Executive Secretary

1948

September 1948

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ACADEMIC CALENDAR

Fall Term, 1948-49

September 28, *Tuesday*.....Examinations for removal of deficiencies

September 29, *Wednesday*.....Registration

September 30, *Thursday*.....Instruction begins

November 25, *Thursday*.....Thanksgiving Day, holiday

December 22, *Wednesday*.....Fall term ends

December 23 to January 2, *Thursday* through *Sunday*.....Christmas recess

Winter Term, 1948-49

January 3, *Monday*.....Instruction begins for medical students

January 3, *Monday*.....Registration for nursing and graduate students

January 4, *Tuesday*.....Instruction begins for nursing students

March 19, *Saturday*.....Winter term ends

March 20 to 27, *Sunday* through *Sunday*.....Spring recess

VANPORT EXTENSION CENTER

Spring Term, 1948-49

March 28, *Monday*.....Instruction begins for
medical students

March 28, *Monday*.....Registration for nursing
and graduate students

March 29, *Tuesday*.....Instruction begins for
nursing students

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

June 16, *Thursday*.....Commencement Convo-
cation for Department of
Nursing Education

June 17, *Friday*.....Commencement for
Medical School

June 17, *Friday*.....Spring term ends

Summer Term, 1949

June 27, *Monday*.....Registration for nursing
and graduate students

June 28, *Tuesday*.....Instruction begins

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

September 5, *Monday*.....Labor Day, holiday

September 10, *Saturday*.....Summer term ends

1949

April 1949

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August 1949

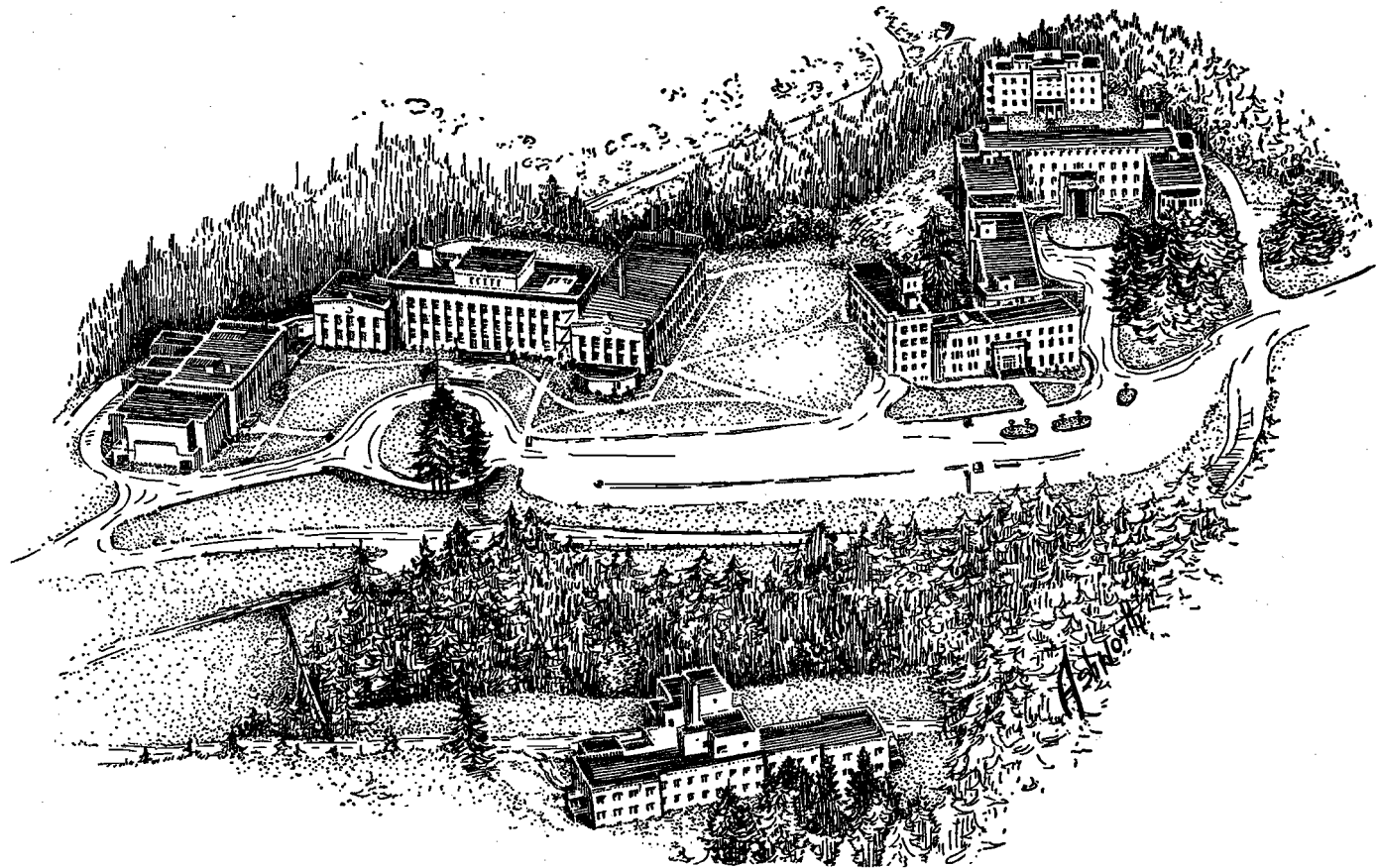
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September 1949

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The University of Oregon Medical School campus. Left: Medical School Library and Auditorium. Left center: Medical Science Building. Right: Doernbecher Memorial Hospital for Children; Outpatient Clinic; Multnomah Hospital; Nurses Home. Foreground: University Tuberculosis Hospital.

University of Oregon Medical School

Faculty

PAUL C. PACKER, Ph.D., Chancellor, Oregon State System of Higher Education.
HARRY K. NEWBURN, Ph.D., President, University of Oregon.
DAVID W. E. BAIRD, M.D., LL.D., Dean of the Medical School.
WILLIAM A. ZIMMERMAN, B.S., Executive Secretary of the Medical School.
CAROLINE HOOPMANN POMMARANE, B.S., Registrar of the Medical School.
BERTHA BRANDON HALLAM, B.A., Librarian of the Medical School.

RICHARD BENJAMIN DILLEHUNT, M.D., Dean Emeritus of the Medical School.
OTIS FRANKLIN AKIN, M.D., Professor Emeritus of Orthopaedic Surgery.
WILLIAM FITCH ALLEN, Ph.D., Sc.D., Professor Emeritus of Anatomy.
HARRY R. CLIFF, M.D., Director Emeritus, Multnomah Hospital.
THOMAS HOMER COFFEN, M.D., Professor Emeritus of Medicine.
RALPH A. FENTON, M.D., Professor Emeritus of Otolaryngology.
HARRY MONROE HENDERSHOTT, M.D., Associate Professor Emeritus of Ophthalmology.
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NOBLE WILEY JONES, M.D., Professor Emeritus of Medicine.
FREDERICK ANDREWS KIEHLE, M.D., Professor Emeritus of Ophthalmology.
ALBERT EDWARD MACKAY, M.D., Professor Emeritus of Urology.
CHARLES RICHARD McCLURE, M.D., Professor Emeritus of Orthopaedic Surgery.
GRACE PHELPS, R.N., Superintendent Emeritus, Doernbecher Hospital.
LAURENCE SELLING, M.D., Professor Emeritus of Medicine.

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ARCHIE R. TUNTURI, Ph.D., M.D., Assistant Professor.
DORTHY-JANE SCOTT, B.A., Instructor.
LEONARD B. HANSON, B.S., Student Assistant.
DAVID G. WHITLOCK, B.S., Student Assistant.
GWENDOLEN GILLAM, Secretary.

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LYLE VEAZIE, Ph.D., Assistant Professor.
INEZ BROWNLEE, M.S., Instructor.
CHARLES C. HENRIQUES, B.S., Research Assistant.
VERA JACKETS, M.A., Research Assistant.
RUBY PETERS, Technician.

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 JON V. STRAUMFJORD, M.D., Research Associate.
 DORIS M. HIGHET, Ph.D., Research Assistant.
 RUTH D. PETERSON, M.S., Research Assistant.
 ELLEN L. TALMAN, B.A., Research Assistant.
 MAX BOCEK, M.S., Student Assistant.
 RICHARD J. HAVEL, B.A., Student Assistant.
 DONALD M. JEPPESEN, B.S., Student Assistant.

PATHOLOGY

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 FRED H. BISHOP, M.D., Research Fellow.
 ARTHUR B. PETERSON, M.D., Research Fellow.
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 MAE KUGE, Technician.
 ELLIS A. SIMMONS, Museum Technician.
 KELLY TYLER, Museum Technician.
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 HELEN MORRIS THOMAS, B.S., Stenographer.
 MARIAN S. TONEY, Stenographer.

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 ALVA R. HUCKINS, B.A., Research Assistant.
 EDWIN C. JUNGCK, M.S., Research Assistant.
 LAURENCE J. LEWIS, Research Assistant.
 ROBERT H. BUCKINGER, B.S., Student Assistant.
 ALFRED S. HEWITT, M.S., Student Assistant.

MILITARY SCIENCE AND TACTICS

I. A. WILES, M.D., Lieutenant Colonel, Medical Corps, USA, Professor.

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 ROBERT UNGER, M.D., Resident in General Practice.

Allergy

ROBERT L. BENSON, M.D., Clinical Professor ; Head of Division.
 MERLE WAYLAND MOORE, M.D., Assistant Clinical Professor.
 FRANK PERLMAN, M.D., Assistant Clinical Professor.
 ROY R. MATTERI, M.D., Clinical Instructor.

Cardiology

HOMER PARROTT RUSH, M.D., Clinical Professor ; Head of Division.
 ISIDOR CHERNIAC BRILL, M.D., Associate Clinical Professor.
 HANCE F. HANEY, M.D., Ph.D., Associate Professor.
 MATTHEW CASEY RIDDLE, M.D., Associate Clinical Professor.
 LEON ALBERT GOLDSMITH, M.D., Assistant Clinical Professor.
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 CHARLES PEARSON WILSON, M.D., Assistant Clinical Professor.
 CHARLES W. COFFEN, M.D., Clinical Associate.
 AUBREY M. DAVIS, M.D., Clinical Associate.
 JOHN H. MILLS, M.D., Clinical Associate.
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 WILLIAM J. SWETT, M.D., Clinical Associate.
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 FRANZ R. STENZEL, M.D., Clinical Instructor.
 JOHN D. WELCH, M.D., Clinical Instructor.

Chest Diseases

WILLIAM S. CONKLIN, M.D., Assistant Clinical Professor ; Head of Division.
 MORTON GOODMAN, M.D., Assistant Clinical Professor.
 CARL J. HOLLINGWORTH, M.D., Assistant Clinical Professor.
 JAMES T. SPEROS, M.D., Assistant Clinical Professor.
 WILLIAM COHEN, M.D., Clinical Instructor.
 SAMUEL DIACK, M.D., Clinical Instructor.

Diabetes and Metabolism

BLAIR HOLCOMB, M.D., Clinical Professor ; Head of Division.
 HANCE F. HANEY, M.D., Ph.D., Associate Professor.
 IRA A. MANVILLE, M.D., Associate Clinical Professor.
 RUDOLPH M. CROMMELIN, M.D., Clinical Associate.
 ROGER HOLCOMB, M.D., Clinical Associate.

Endocrinology

CARL G. HELLER, M.D., Ph.D., Associate Professor ; Head of Division.
 HARMON T. HARVEY, M.D., Visiting Clinical Instructor.
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FREDERICK P. HAUGEN, M.D., Anaesthesiologist.
ARTHUR C. JONES, M.D., Chief of Physical Medicine.

VERNA JOHNSON, R.N., Office Supervisor.
RUBY GOFF, B.S., R.N., Assistant Director of Nurses.
AGNES MCCONNELL, B.S., R.N., Obstetrical Supervisor.
ALICE SHARF, R.N., Surgical Supervisor.
EMMA H. MCWILLIAMS, R.N., Night Supervisor.
DOROTHY McREA, B.S., R.N., Night Supervisor.
DORIS B. HARRIS, R.N., Evening Supervisor.
PAULINE FISCHER, B.S., R.N., Dietitian.
OLIVIA SCHEFOLD, Housekeeper.
HENRY L. DOENEKA, Chief Engineer.
ROBERT MARKEE, Laundry Manager.
NORRIS ROGERS, Ph.G., Pharmacist.

HONORA COYLE, R.N., Head Nurse.
VIRGINIA LEE, B.S., R.N., Head Nurse.
LUELLA M. LUDEMAN, R.N., Head Nurse.
CLARA MCPHERSON, R.N., Head Nurse.
HELEN CRUIKSHANK, B.S., R.N., Head Nurse.
DOROTHY M. ROBLEE, R.N., Head Nurse.
RUTH E. STUCKER, R.N., Head Nurse.

Tuberculosis Hospital Unit

DAVID W. E. BAIRD, M.D., Dean.
CHARLES N. HOLMAN, M.D., Medical Director and Administrator.
JAMES T. SPEROS, M.D., Assistant Medical Director and Director of Outpatient
Clinic.
JUANITA MURR, B.S., R.N., Superintendent.

WILLIAM S. CONKLIN, M.D., Chief Surgeon.

GROVER C. BELLINGER, M.D., Clinical Associate.
 SELMA HYMAN, M.D., Radiologist.
 FREDERICK P. HAUGEN, M.D., Chief of Anaesthesia Service.
 WARREN C. HUNTER, M.D., Pathologist.
 RAYMOND D. GRONDAHL, M.D., Director of Clinical Laboratories.
 HOWARD P. LEWIS, M.D., Professor of Medicine.
 WILLIAM K. LIVINGSTON, M.D., Kenneth A. J. Mackenzie Professor of Surgery.
 HOWARD C. STEARNS, M.D., Professor of Obstetrics and Gynecology.
 JOSEPH B. BILDERBACK, M.D., Professor of Pediatrics.
 GUY L. BOYDEN, M.D., Professor of Otolaryngology.
 KENNETH C. SWAN, M.D., Professor of Ophthalmology.
 LEO S. LUCAS, M.D., Clinical Professor of Orthopaedic Surgery.
 CLARENCE V. HODGES, M.D., Assistant Professor of Urology.
 ARTHUR W. CHANCE, D.D.S., M.D., Clinical Professor of Dental Medicine.

ALICE MCCOY MADDOCK, B.S., R.N., Surgery Supervisor.
 MARY JONES, B.S., Diëtitian.
 JAMES C. SHIRLEY, Ph.G., Pharmacist.
 ERMA L. KLENK, R.N., Supervisor.
 ETHA MORRIS, B.S., R.N., Supervisor.
 BETTY JEAN BODEKER, B.S., R.N., Evening Supervisor.
 MARY GAFFREY, R.N., Night Supervisor.
 WALTON O. HARRISON, Engineer.

Visiting Physician's Service

RANDALL WHITE, M.D., Multnomah County Physician.
 HAROLD DOBBIN, M.D., Physician.
 ANTON D. ELMER, M.D., Physician.
 RICHARD J. KULASAVAGE, M.D., Physician.
 SOPHIA WARNER, M.D., Physician.
 JOHN D. WELCH, M.D., Physician.

Child Guidance Clinic and Extension

CHARLES BRADLEY, M.D., Associate Professor of Psychiatry and Pediatrics;
 Director.
 HENRY H. DIXON, M.D., Clinical Professor of Psychiatry.
 HERMAN A. DICKEL, M.D., Assistant Clinical Professor of Psychiatry.
 GERHARD B. HAUGEN, M.D., Assistant Clinical Professor of Psychiatry.
 WENDELL H. HUTCHENS, M.D., Assistant Clinical Professor of Psychiatry.
 JOHN W. EVANS, M.D., Clinical Associate in Psychiatry.
 ROBERT A. COEN, M.D., Clinical Instructor in Psychiatry.
 ALLAN EAST, M.A., Social Service.

Crippled Children's Division

PAUL G. HAFNER, M.D., Director.
 ALYCE BLOOM, B.S., R.N., Orthopaedic Nurse Consultant.
 OLGA CURTIS, R.N., Orthopaedic Nurse Consultant.
 JENNIE JACKSON, B.S., R.N., Orthopaedic Nurse Consultant.
 HYLAH FRALEY, B.A., Medical Social Consultant.

MILDRED IVERSON, M.A., Medical Social Consultant.
F. ELIZABETH GILFOY, B.S., Physical Therapist.
MARY E. SNOOK, B.S., Physical Therapist.
MARGARET NARY, Assistant Accountant Auditor.
GERTRUDE LISTER, Secretary.

The Medical School

THE University of Oregon Medical School has been in continuous operation since 1887, when it was granted a charter by the regents of the University of Oregon. Although the Medical School, because of its location in a different city from the other schools of the University, has administrative and faculty autonomy, the academic position of the school as an integral part of the University, established by its charter, is recognized under the organization plan of the Oregon State System of Higher Education.

On September 1, 1913, the Willamette University department of medicine was merged with the Medical School. Under the terms of the merger, the students of the Willamette University medical department were transferred to the University of Oregon Medical School, and upon graduation, received diplomas indicative of the consolidation. The alumni bodies of the two institutions were also merged.

The Medical School is organized into instructional divisions as follows: basic-science departments, offering instruction in those sciences basic to medicine; clinical departments, offering instruction in medicine with its various branches, surgery with its various branches, obstetrics, gynecology, and pediatrics; and the Department of Nursing Education.

Location

PORTLAND (population 450,000), situated on the Willamette River near its junction with the Columbia, is a modern city of diverse business and industrial activities. Although 100 miles from the Pacific, Portland is an important seaport. The city is known for its beautiful homes, parks, and boulevards, and for its equable climate. The foothills of the Cascade Mountains rise on the outskirts of the city. Mount Hood, one of the major peaks of the range, towers on the southeastern horizon.

As indicated elsewhere, concentration of a number of hospitals on the campus of the Medical School and articulation of the work of the school with various health and social agencies of the city afford superior opportunities for medical study.

Campus and Buildings

PRIOR to 1919 the Medical School was housed in a three-story frame building at Twenty-third and Lovejoy streets near the Good Samaritan Hospital. In 1919 the school was moved to a twenty-acre tract deeded to the regents of the University by the Oregon-Washington Railroad and Navigation Company in 1914, as a campus for future development of a center of medical teaching and research.

The campus was enlarged in 1924 by the addition of Sam Jackson Park, an adjoining tract of eighty-eight acres, a gift of Mrs. C. S. Jackson and Mr. Philip Jackson in behalf and in memory of the late Mr. C. S. Jackson. The entire campus of one hundred and nine acres occupies a site of exceptional scenic grandeur, at an elevation overlooking the city and the Willamette River, isolated from noise and smoke but within one and one-half miles of the business center. It affords an ideal setting for Medical School buildings and affiliated hospitals. In 1920 the University conveyed to Multnomah County nine acres on the campus for the construction of a general charity hospital. In 1926 a tract of twenty-five acres was deeded to the United States government as a site for a veterans' hospital of 300 beds.

The First Medical Science Unit (1919) was financed through an appropriation of \$110,000 by the 1917 State Legislature and by cash donations amounting to \$25,000 from Portland citizens. The building is a three-story reinforced-concrete structure.

Mackenzie Hall (1922), second unit of the Medical Science Building, was financed by an appropriation of \$113,000 by the 1921 State Legislature, matched by an equal appropriation from the General Education Board of New York. It is named in honor of the late Dean Kenneth A. J. Mackenzie. The building is four stories high, similar in construction to the first unit but with twice its capacity. The General Education Board appropriated \$50,000 in addition for equipment.

The Doernbecher Memorial Hospital for Children (1926) was financed through a gift of \$200,000 by Mrs. E. W. Morse and Mr. Edward Doernbecher in memory of their father, the late Mr. F. S. Doernbecher. This fund was augmented by other gifts totaling \$120,000. The hospital provides 63 beds, and has exceptional facilities for the care of sick and disabled children of the state of Oregon.

The Outpatient Clinic (1931), connecting with the Doernbecher Memorial Hospital for Children and the Multnomah Hospital affords teaching facilities for the clinical branches of the Medical School. Funds for the construction of the building were provided through a gift of \$400,000 from the General Education Board of New York.

The Multnomah Hospital (1923), constructed by the commissioners of Multnomah County, has a capacity of 275 beds and serves as one of the teaching units of the Medical School. The Multnomah Hospital group includes also the Nurses Home (1927) and the Heating Plant (1923).

The University State Tuberculosis Hospital (1939) has an 80-bed capacity and a large outpatient unit. Funds for the hospital were provided by a state appropriation of \$110,000, a Public Works Administration grant of \$130,900, and a gift from Mrs. Grace R. Meier, Mr. Jack Meier, Mrs. Joseph Ehrman, Jr., and Mrs. Frederick Ganz, in memory of Mr. Julius L. Meier, husband and father. The outpatient clinic of the hospital is called the Julius L. Meier Memorial Clinic.

The Library and the Auditorium (1939) were erected with funds provided through gifts of \$100,000 from Dr. John E. Weeks and \$100,000 from the Rockefeller Foundation, and through a grant of \$163,500 from the Public Works Administration. The Library stacks provide shelving space for 100,000 volumes, and may be expanded to accommodate an additional 100,000. The Auditorium, with a seating capacity of 600, provides facilities for lectures and scientific meetings in the field of medicine for students in the Medical School and physicians of the state of Oregon and the Pacific Northwest.

The Nurses Dormitory (1943), formerly the Portland Medical Hospital, was purchased in 1943 to provide needed housing facilities for students in the Department of Nursing Education. The dormitory accommodates 95 students.

Clinical and Special Facilities

CLINICAL facilities are afforded by the Multnomah Hospital, the Doernbecher Memorial Hospital for Children, the Outpatient Clinic, the University State Tuberculosis Hospital, and extramural clinics. These facilities are effectively coordinated for the clinical needs of the Medical School.

Multnomah Hospital. The first unit of the Multnomah Hospital was opened in 1923. The building, erected at a cost of approximately \$1,000,000, embodies the most-modern conceptions of a teaching hospital. It is a general charity hospital and accommodates 275 beds. Contemplated additional units will increase the capacity to 500 beds.

Under the terms of a contractual agreement between the commissioners of Multnomah County and the University of Oregon, the Medical School has access to the hospital for teaching purposes, and the director of the hospital is a University official. The director of the hospital appoints the professional staff, from nominations by the Medical School. The arrangement provides a most-successful affiliation for teaching, research, and the care of the sick.

The Doernbecher Memorial Hospital for Children affords every facility for teaching and research in the Department of Pediatrics and in other clinical divisions. Operating funds for the hospital are provided chiefly from state appropriations.

Outpatient Clinic. Admissions, medical records, X-ray, laboratory, physical therapy, social service, and other such medical services are unified and coordinated in the Outpatient Clinic, housed in a unit connecting the Doernbecher Memorial Hospital and the Multnomah Hospital. Through this arrangement, duplication is eliminated, and the care of patients and the teaching of medical students are greatly facilitated. The history of the Outpatient Clinic began with the founding of the Portland Free Dispensary in 1907 by the Peoples' Institute, a private philanthropic institution. The dispensary became affiliated with the Medical School in 1909. It was located at Fourth and Jefferson streets until January 1, 1931, when it was merged into the Outpatient Clinic on the Medical School campus.

The budget for maintenance and operation of the clinic is provided by state appropriations, Multnomah County, the city of Portland, and the Public Welfare Commission.

The University State Tuberculosis Hospital is an 80-bed hospital devoted to the care of patients suffering from tuberculosis. It provides medical and surgical facilities for teaching medical students, interns, residents, and nurses.

Extramural Clinics. Clinics and ward walks for small classes are conducted in a number of hospitals not situated on the Medical School campus—at Good Samaritan Hospital, Emanuel Hospital, St. Vincents Hospital, Shriners Hospital for Crippled Children, Waverly Baby Home, and Albertina Kerr Nursery.

Autopsy Service and Pathological Museum. Under a contractual agreement with the Multnomah County commissioners, the Department of Pathology of the

Medical School is designated to perform and record all coroner's autopsies. This arrangement materially augments the Pathological Museum and affords unusual opportunity for teaching in pathology and medical jurisprudence, besides assuring authoritative records for medicolegal purposes. The museum has gross and tissue specimens numbering many thousands. Approximately 925 autopsies are performed a year.

Library

THE Medical School Library contains more than 43,000 volumes of books and bound periodicals and a large number of unbound periodicals. More than 650 current periodicals are received. Through the privileges of interlibrary loan and microfilm service, it is possible to obtain within a few days material not in this collection. The Oregon State Board of Medical Examiners, the Portland Academy of Medicine, and the Multnomah County Medical Society contribute part of the annual operating funds.

The Library collections have been enriched by many valuable gifts of books and periodicals from individuals and organizations. Books and objects of medical historical interest are being assembled through the aid of the Women's Auxiliary of the Oregon State Medical Society and other friends of the Medical School. Public acknowledgment of gifts to the Library is made by means of a printed list on the annual Commencement program.

During the first term of the school year, students in the first-year class and other interested students are given a brief survey of the resources of the Library and instruction in their use.

The following regulations govern fines and charges in connection with the use of Library facilities:

(1) If a book borrowed from the reserve department is not returned when due, a fine of 25 cents is charged 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.

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

(3) 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 a service charge of 50 cents.

Graduate Residency Program

ONE of the important functions of a medical school is the training of physicians in the medical specialties. The demand for such training has greatly increased in recent years. In response, the Medical School residency program has been expanded to provide approximately 50 appointments. Residency training follows one year of internship, and consists of a course of study of two or three years devoted entirely to one specialized field of medicine. Instruction is received both in clinical departments and in related basic-science departments of the school.

All residencies have received the approval of the Council on Medical Education and Hospitals of the American Medical Association and of the respective American boards. Residencies are offered in anaesthesia, dermatology and syphil-

ology, internal medicine, obstetrics and gynecology, neurological surgery, ophthalmology, orthopaedic surgery, otolaryngology, pathology, pediatrics, radiology, general surgery, thoracic surgery, and urology. The program also includes one-year general-practice residencies for physicians planning to enter the general practice of medicine; five appointments are available annually.

The following Portland hospitals are cooperating with the Medical School in the residency programs: Emanuel Hospital, Shriners' Hospital for Crippled Children, Providence Hospital, and Good Samaritan Hospital.

Applications should be made to the Medical Director of the Hospitals and Clinics. Appointments are made approximately six months in advance of the beginning of the residency period, July 1.

Postgraduate Program

THE University of Oregon Medical School makes available its teaching and clinical facilities to physicians for continued postgraduate study. To meet the needs of these physicians, an extensive postgraduate program has been arranged, consisting of the following phases:

Informal Refresher Courses. For physicians wishing a review of particular phases of medicine, an informal program is offered. Instruction is given by means of clinics, demonstrations, ward walks, and observations. The physician may select the types of instruction he desires and the length of time he wishes to attend. Individual instruction is given by members of the faculty. This program may be started at any time and continued as long as desired.

Fees are \$75.00 per month for the first three months, \$50.00 per month for the second three months, and \$25.00 per month for succeeding months.

Short Intensive Courses. A series of short intensive courses, usually of five days duration, is offered for physicians who wish to pursue postgraduate studies by taking frequent short periods from their practice. These courses are devoted to special subjects and are scheduled throughout the year. Instruction is given by lectures and demonstrations, the method of presentation depending upon the subject covered. These courses are offered in the following fields: internal medicine, general surgery, orthopaedic surgery, radiology, malignant diseases, obstetrics and gynecology, and pediatrics. Fees charged are \$50.00 for the five-day courses and proportionately less for shorter courses.

Admission and Requirements

ADMISSION to the Medical School is based upon two types of qualifications. The applicant must present evidence of good character, proper attitude, and sincere interest in the study of medicine. He must also have demonstrated sufficient intellectual ability to undertake satisfactorily the study of medicine, as judged by his premedical scholastic record.

Applicants for admission are required to have completed satisfactorily four years in an accredited high school, or its equivalent, and collegiate preparation of not less than three years of full-schedule work in an accredited college or university.

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

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

(2) **Collegiate Preparation.** The applicant must have completed satisfactorily 135 term hours (90 semester hours) of credit, exclusive of military science.

The following subjects and credits are prescribed as the minimum acceptable for admission:

	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, or general physiology (order of preference, embryology, vertebrate anatomy)	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 the physician. Students anticipating research in the medical sciences should have 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 acceptable toward meeting the minimum requirement 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 should include subjects such as algebra, elementary analysis, or trigonometry. Students electing additional mathematics are advised to take work in calculus.

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

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

A fee of \$5.00 is charged for the evaluation of transcripts submitted with the application for admission. When an applicant is accepted for admission to the Medical School, a deposit of \$25.00 must be paid not later than two weeks following acceptance, in order to reserve a place in the entering class. This deposit of \$25.00 applies toward the tuition fee of the first term. It is not refundable after a period thirty days following notice of acceptance.

Because of the large number of applications received from students in the Pacific Northwest region, it is seldom possible to accept applicants from other sections of the country.

Aptitude Test. Applicants for admission are expected to have taken the aptitude test given for the Association of American Medical Colleges at the various institutions offering premedical curricula. Exceptions to this rule may be allowed in the case of applicants who, because of legitimate reasons approved by the Committee on Admissions, have been unable to take the test.

Bachelor's Degree. A student entering the University of Oregon 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 year at the Medical School as credit earned in residence toward the bachelor's degree.

Special Students. Graduates in medicine may register as special students in any course. Graduates in medicine may not be candidates for the degree of Doctor of Medicine.

Students holding only academic degrees may be admitted as special students to certain courses in the Medical School upon recommendation by the head of the department concerned to the Committee on Admissions, subject to approval by the dean. Such students may not receive academic credit for work in clinical subjects.

Undergraduates may not be admitted to courses in the Medical School as special students.

Special students are required to submit credentials and secure the approval of the Committee on Admissions before registering.

Students who register for special work are charged tuition according to the amount of work undertaken and the nature of the course.

Advanced Standing. A student may be accepted for admission with advanced standing, provided his official credentials are accompanied by a statement from the registrar of the institution from which he is transferring to the effect that the applicant's scholarship in medical-school work ranks him in the upper fifty per cent of his class. An honorable dismissal and premedical preparation meeting the regular requirements for admission are also required. Students admitted with advanced standing must take at least the last year of work at the University of Oregon Medical School. In general, only transfer to the third-year class is feasible.

Promotion. In order to be promoted from the first to the second year and from the second to the third year in the Medical School, the student must receive a passing grade in all subjects and an average grade of IV or better for the work of the entire year. The status of students failing to meet these requirements will be determined by the Promotion Board. Third- and fourth-year students must receive satisfactory grades in all subjects.

Requirements for Degrees. Work is offered at the Medical School leading to Doctor of Medicine, Master of Arts, Master of Science, and Doctor of Philosophy degrees. Graduate and professional degrees earned at the Medical School are conferred by the University of Oregon, upon recommendation of the faculty of the Medical School.

M.D. Degree. A candidate for the degree of Doctor of Medicine must have completed satisfactorily the curriculum prescribed by the faculty of the Medical School. All candidates for degrees are expected to be present at the Commencement exercises to receive the diploma in person.

M.A., M.S., and Ph.D. Degrees. The 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.

Fees and Deposits

FEEES and deposits paid by students at the University of Oregon Medical School are as follows:

REGULAR FEES

Tuition, per term	\$60.00
Laboratory and course fee, per term	\$55.00
Nonresident fee, per term (in addition to fees for resident students)	\$50.00
¹ Building fee, per term	\$ 5.00
² Incidental fee, per term	\$ 4.50

GRADUATE FEES³

For graduate students registered for 7 or more term hours of work per term:

Tuition	\$10.00
Laboratory and course fee	\$11.50
Building Fee	\$ 5.00
² Incidental fee	\$ 4.50

For graduate students registered for 6 term hours of work or less.....\$4.00 per term hour (minimum, \$10.00 per term)

For graduate students employed as graduate or research assistants or fellows, per term:

² Incidental fee	\$ 4.50
Building fee	\$ 5.00

DEPOSITS

⁴ Deposit to reserve place in entering class.....	\$25.00
⁵ Breakage deposit—first and second years.....	\$15.00
⁵ Breakage deposit—third and fourth years.....	\$10.00
⁵ Breakage deposit—graduate students.....	\$ 5.00
⁵ Breakage deposit—auditors	\$ 5.00

SPECIAL FEES

Registration and laboratory fee for special students registered for 6 term hours of work or less \$6.50 per term hour (minimum, \$10.00 per term)

Auditor's fee:

Registration and course fee per term hour for lectures.....	\$ 4.00
Registration and course fee per term hour for laboratory courses	\$ 6.50

An auditor is a person who has obtained permission to attend classes without receiving academic credit.

¹ Part-time special students (taking 6 hours of work or less) do not pay the building fee.

² The incidental fee is for student health service.

³ Only those students pursuing programs of study toward the M.A., M.S., or Ph.D. degree are classified as graduate students. These students do not pay the nonresident fee.

⁴ See ADMISSION AND REQUIREMENTS.

⁵ The cost of any damage done by a student to Medical School property is deducted from his deposit; in case the identity of the one responsible cannot be established, a pro-rata charge is made against the entire class of which he is a member.

Graduation fee (includes \$2.00 alumni dues).....	\$ 6.50
Transcript fee	\$ 1.00
A fee of \$1.00 is charged for each transcript of credits issued after the first, which is issued free of charge.	
Evaluation fee	\$ 5.00
The evaluation fee is charged for the evaluation of transcripts submitted with the application for admission; not refundable.	
Late-registration fee	\$ 1.00 to \$ 5.00
Students registering after the scheduled registration day 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.	
Penalty for late payment of tuition fee.....	25 cents per day
Registration is cancelled after one week, after which a \$2.00 fee is required for reinstatement.	

MICROSCOPES

Medical students are expected to provide themselves with microscopes. Microscopes are available for students who wish to rent them, for a fee of \$4.00 a term.

FEE REFUNDS

Students who withdraw from the Medical School 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 Oregon State Board of Higher Education, and is on file in the Business Office of the Medical School. 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.

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 a baccalaureate degree and working toward the M.A., M.S., Ph.D., or other graduate degree (the M.D. degree is classified as a professional, not a graduate degree).

Fellowships, Scholarships, Loan Funds, Prizes

Noble Wiley Jones Pathology Research Fellowship. This fellowship, founded in 1919, consisting of the interest on \$5,000 held in trust, is the gift of Dr. Noble Wiley Jones of Portland. It is awarded annually to a medical student or resident on the basis of scholastic ability, training in pathology, and interest in research in this field.

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 Mrs. Mildred Anna Williams.

Pohl Memorial Scholarships. These scholarships were endowed in 1936 by a gift of \$5,000 from Dr. Esther Pohl Lovejoy, in memory of her husband, Dr. Emil Pohl, and her son, Frederick Clayton Pohl. The original gift has been supplemented by additional annual donations from Dr. Lovejoy, which have increased the endowment to about \$20,500. Awards are made to students of promise in the field of medicine. Two-thirds of the scholarships are given to men students, one-third to women students. Application should be filed with the office of the dean of the Medical School not later than April 1. Scholarships will be awarded by the dean upon the recommendation of the Scholarship Committee of the Medical School.

State Scholarships. In accordance with special authorization from the Legislature, the State Board of Higher Education awards annually a limited number of scholarships to students in the institutions of the State System who rank high in scholastic attainment and who need financial assistance. These scholarships cover tuition. Recipients must pay the building fee, the incidental fee, and special fees. Award of state scholarships to students at the Medical School is upon recommendation of the dean and the Scholarship Committee of the Medical School. Applications should be sent to the dean of the Medical School not later than April 1.

George H. Strowbridge Memorial Scholarship. This scholarship consists of the income from a bequest of \$5,000 from Mary S. Muellhaupt in memory of Dr. George H. Strowbridge, a graduate of the University of Oregon Medical School in the Class of 1897. Award is made to a student of the second-, third-, or fourth-year class upon the basis of scholastic attainment and need. Application should be filed in the office of the dean of the Medical School not later than April 1. Scholarships are awarded by the dean upon the recommendation of the Scholarship Committee of the Medical School.

Frank Ralston Research Student Assistantship. This assistantship was made available in 1946 through a gift of \$5,000 from Dr. Frank Ralston. The funds are devoted to research in glaucoma under the direction of the head of the Department of Ophthalmology.

Ben Selling Loan Fund. This fund, a bequest from the late Mr. Ben Selling, is administered by Dr. Laurence Selling. Applications for loans are made through the office of the dean of the Medical School.

W. K. Kellogg Loan Fund. In May 1942, the W. K. Kellogg Foundation established a \$10,000 loan fund at the University of Oregon Medical School for the financial assistance of medical students. Preference is given to first- and second-year students who have demonstrated scholastic ability, character, and need. The usual loan is \$250. Loans are administered through the office of the dean.

Leona M. Hickman Student Loan Fund. This fund, established in 1936, is available, by the terms of the trust, to young men who are actual residents of King County, state of Washington; the fund is administered by the Peoples National Bank of Washington in Seattle as trustee. Application should be made to the Trust Department of the Peoples National Bank of Washington, 1414 Fourth Avenue, Seattle, Washington.

Henry Waldo Coe Prize. This prize, founded in 1929, is awarded to a second-, third-, or fourth-year student in the Medical School who presents an essay on a medical subject exhibiting superiority and originality in composition. The prize consists of the interest on a gift of \$1,000 from the late Dr. Henry Waldo Coe.

Joseph Lipshutz Memorial Essay Award. An award of \$50.00 is made annually to the fourth-year medical student writing and presenting the best paper in the field of pediatrics. The award is supported by a \$600 fund, contributed by private donors as a memorial to Dr. Joseph Lipschutz, graduate of the Medical School who gave his life for his country in World War II.

University of Oregon Loan Funds. Except in the case of a few funds which are specifically restricted to the University students at Eugene, students of the Medical School are eligible for loans from the University student loan funds on the same basis as students on the campus at Eugene. For loan regulations see the general University Catalog.

Endowment Funds

The Dorothy Strowbridge Jackson Memorial Fund (1935) was made available through a trust agreement provided in the will of Zola P. White. The trust, the income of which is to be devoted to instructional needs of the Department of Medicine, is administered by the First National Bank of Portland. The assets of the fund include property in Portland and in Clackamas County.

The Widmer Memorial Research Fund (1939) was made available through a gift from Gertrude E. and Margaret M. Widmer, residents of Eugene, in memory of their parents and brother. The invested capital amounts to \$16,000. The income

from this fund is utilized for the purposes of research and treatment of cancer and heart disease.

The Kenneth A. J. Mackenzie Memorial Fund (1940), amounting to \$250,000, was given to the University of Oregon by the late Mildred A. Williams in memory of Dr. Kenneth A. J. Mackenzie. Of the annual income of this fund, \$1,000 is devoted to scholarships for premedical and medical students, and the remainder (approximately \$7,000) is devoted to the support of the Department of Surgery.

The Lola Norwood Diack Trust Fund (1938) was established by Dr. Samuel L. Diack and others in memory of Lola Norwood Diack. The income is available to the various departments of the Medical School for research.

Jones Lectureship in Medicine. The Jones Lectureship in Medicine, founded by Dr. Noble Wiley Jones of Portland, provides the income from a \$5,000 fund for a series of lectures by an authority in some branch of medical science. The first lectures were given in 1920 by Professor Ludwig Hektoen, professor of pathology, University of Chicago; the second in 1921, by Professor William Ophüls, professor of pathology, Stanford University; the third in 1922, by Sir Thomas Lewis of London; the fourth in 1925, by Dr. A. J. Carlson, University of Chicago; the fifth in 1926, by Dr. Martin H. Fisher, professor of physiology, University of Cincinnati; the sixth in 1928, by Dr. Julius Bauer of Vienna; the seventh in 1931, by Dr. E. T. Bell, professor of pathology, University of Minnesota Medical School; the eighth in 1932, by Dr. W. B. Cannon, professor of physiology, Harvard University; the ninth in 1933, by Dr. George H. Whipple, dean of the University of Rochester Medical School; the tenth in 1934, by Dr. John Farquhar Fulton, Sterling professor of physiology, Yale University School of Medicine; the eleventh in 1935, by Dr. Wilder Penfield, professor of neurology and neurosurgery, McGill University; the twelfth in 1938, by Dr. Eugene M. Landis, assistant professor of medicine, University of Pennsylvania; the thirteenth in 1938, by Dr. Arno B. Luckhardt, professor of physiology, University of Chicago; the fourteenth in 1940, by Dr. Herbert M. Evans, professor of anatomy and Herzstein professor of biology, University of California; the fifteenth in 1941, by Dr. Bradley M. Patten, professor and director of the Department of Anatomy, University of Michigan; and the sixteenth in 1946, by Dr. Fuller Albright, professor of medicine, Harvard University.

E. C. Brown Trust Fund. The income from this fund, established under the will of the late Dr. E. C. Brown, supports a state-wide program of social-hygiene education. The program is administered by the President of the University of Oregon.

The Matie B. Train Research Fund (1944) was established under the will of the late Matie B. Train for research in diseases of the vascular system. The principal of the fund is now about \$5,400.

The David P. Mathews Research Fund (1945), approximately \$20,000, was made available under the will of the late David P. Mathews. The fund is to be utilized in research and study of improved methods for the treatment and cure of asthma.

The Weeks Ophthalmology Fund (1945) was established through a gift of \$5,000 from Dr. and Mrs. John E. Weeks; the fund will be utilized to establish and maintain a clinic at the Medical School for the diagnosis and treatment of anomalies of binocular vision.

Andrew J. Browning Ophthalmologic Memorial Fund (1947) was established through a gift of \$3,000 to further the teaching of ophthalmology in the Medical School by purchase of outstanding art illustrating ophthalmic subjects.

Student Health

THE student health service program at the Medical School is carried on under the direction of a committee of the faculty. Service to the student is provided in the hospitals and clinics of the Medical School. In addition to the general service of the entire school, arrangement is made for obtaining the advice and service of the dean and heads of departments in all student health and welfare problems. All entering students are required to take a physical examination, and all graduating students are required to take a special chest examination. A fee of \$4.50 per term is charged each student for health service.

Fraternal and Honor Societies

CHAPTERS of the following medical fraternities and honor societies are located at the Medical School: Alpha Epsilon Iota, Alpha Kappa Kappa, Nu Sigma Nu, Theta Kappa Psi, Alpha Omega Alpha (honorary medical society for both men and women).

Alumni Association

THE Medical School Alumni Association includes the graduates of the Medical School and of the Willamette University department of medicine, which was merged with the University of Oregon Medical School in 1913. A strong organization has been built up, devoted to the interests of students and graduates and to the encouragement of scientific and professional progress among members of the association and in the medical profession generally. With the faculty of the Medical School, the association is cooperating to build up a great medical center in Portland. The officers of the Alumni Association for 1948-49 are:

DR. RICHARD F. BERG, Portland.....	President
DR. HOMER P. RUSH, Portland.....	Vice-President
DR. RODERICK BEGG, Portland.....	Vice-President
DR. CHARLES A. PREUSS, Santa Barbara, Cal.....	Vice-President
DR. MELVIN F. FULLER, Aberdeen, Wash.....	Vice-President
DR. RICHARD D. SIMONTON, Boise, Idaho.....	Vice-President
DR. RUSSELL H. KAUFMAN, Portland.....	Secretary
DR. HERBERT E. MASON, Beaverton.....	Treasurer

Curriculum in Medicine

THE curriculum in medicine requires a total of seven years' work beyond high school. The first three years must be satisfactorily completed before admission to the Medical School in Portland. Since facilities for instruction provide for the acceptance of only a limited number of applicants, completion of the premedical years does not guarantee admission to the Medical School.

The four years spent in the Medical School in Portland are devoted to the subjects of the regular four-year curriculum in medicine required by law.

The prescribed and recommended subjects for the three premedical years are described under **ADMISSION AND REQUIREMENTS**. In the first, second, third, and fourth years at the Medical School there are 4,718½ hours of required work. Elective courses may be taken with the permission of the instructor in any term for which they are scheduled. Descriptions of courses are to be found under the several departmental headings.

PRESCRIBED WORK

The hours listed below do not include examination periods.

	First Year	Aggregate hours			Term hours
		Lecture	Lab.	Clinic	
An 411, 412, 413... Anatomy.....	99	297	.....	396	18
An 414, 415... Microanatomy.....	55	165	.....	220	10
An 511... Neurology.....	22	66	.....	88	4
Bac 413... Bacteriology.....	33	99	.....	132	6
BCh 411, 412... Biochemistry.....	77	165	.....	242	12
Phy 412... Physiology.....	33	66	.....	99	5
Mil 411, 412, 413... Military.....	33	.....	.....	33	3
	352	858	.....	1,210	58
Second Year					
Bac 414... Bacteriology.....	22	66	.....	88	4
Pth 511, 512... Pathology.....	66	198	.....	264	12
Phc 511, 512... Pharmacology.....	110	66	.....	176	12
Phy 411, 413... Physiology.....	66	132	.....	198	10
Med 612, 613, 614... Medicine (Phys. Diag.).....	66	.....	66	132	9
Med 511... Medicine (Lab. Diag.).....	33	99	.....	132	6
Ps 611... Neuropathology and Psychopathology.....	11	.....	.....	11	1
Sur 610... First Aid.....	22	.....	.....	22	2
Sur 611... Surgery.....	22	.....	.....	22	2
Mil 414, 415, 416... Military.....	33	.....	.....	33	3
	451	561	66	1,078	61
Third Year					
PATHOLOGY:					
Pth 514... Gynecological and Obstetrical Pathology.....	11	22	.....	33	1½
Pth 515... Laboratory Neuropathology.....	11	22	.....	33	1½
MEDICINE:					
Med 617, 618, 619... Clerkships.....	.....	.....	132	132	12
Med 620, 621, 622... Medical Clinic.....	.....	.....	33	33	3
Med 665, 666, 667... Medical Ward Rounds.....	.....	.....	33	33	1½
Med 668, 669, 670... Practice of Medicine.....	198	.....	.....	198	18
Ps 613, 614... Psychopathology.....	22	.....	.....	22	1
Der 611, 612, 613... Dermatology and Syph. Clinic.....	.....	.....	33	33	1½
RADIOLOGY:					
Rad 611, 612, 613... Radiographic Diagnosis.....	33	.....	.....	33	1½

	PUBLIC HEALTH AND PREVENTIVE MEDICINE:	Aggregate hours				Term hours
		Lecture	Lab.	Clinic	Total	
PH 511.....	Principles of Public Health.....	33	.....	.....	33	3
DENTAL AND ORAL MEDICINE:						
DM 612.....	Dent. Facial Growth and Oral Path.....	11	.....	.....	11	1
SURGERY:						
Sur 612, 613.....	Recitation.....	44	.....	.....	44	2
Sur 615.....	Physiotherapy.....	11	.....	.....	11	½
Sur 640, 641, 642.....	Clerkships.....	.....	.....	66	66	3
Sur 643, 644, 645.....	Surg. Clinics.....	.....	.....	66	66	3
Sur 646, 647, 648.....	Clerkship Clinic.....	33	.....	.....	33	1½
Sur 649.....	Operative Surgery.....	22	.....	.....	22	1
Sur 661, 662.....	Anaesthesia.....	22	.....	.....	22	1
Orp 611.....	Orthopaedics.....	22	.....	.....	22	1
Orp 612, 613.....	Surgery of Extremities.....	.....	.....	44	44	2
OPHTH., OTOL., RHIN., LARYN.:						
Eye 611.....	Ophth. Lectures.....	11	.....	.....	11	½
Ent 611.....	O. R. and L. Lectures.....	11	.....	.....	11	½
UROLOGY:						
Ur 611.....	Lectures.....	11	.....	.....	11	½
OBSTETRICS:						
Obs 611.....	Intro. Lect. and Demon.....	22	.....	.....	22	1
Obs 612.....	Lect. and Demon.....	22	.....	.....	22	1
Obs 613.....	Path. Preg., Labor and Puerp.....	22	.....	.....	22	1
Obs 614.....	Five days' service in hospital.....	.....	.....	11	11	½
Obs 615.....	Manikin.....	22	.....	.....	22	1
GYNECOLOGY:						
Gyn 611.....	Lectures.....	22	.....	.....	22	1
Gyn 612.....	Lectures.....	22	.....	.....	22	1
Gyn 613.....	Clerkships.....	.....	.....	33	33	1½
PEDIATRICS:						
Ped 611, 612, 613.....	An. Ph. Hy. Inf. Ch. Clinic.....	22	.....	11	33	1½
Ped 614, 615, 616.....	Dis. of Inf. and Ch.....	33	.....	.....	33	1½
Ped 617.....	Clerkships.....	.....	.....	22	22	1
Ped 618.....	Physical Diagnosis.....	.....	.....	11	11	½
		693	44	495	1,232	74½

Fourth Year

PATHOLOGY:						
Pth 613.....	Gen. Path. Conf.....	.....	.....	33	33	1½
Pth 615.....	Tumor Clinic.....	.....	.....	33	33	1½
Pth 617.....	Surgical Pathology.....	.....	.....	33	33	1½
Pth 618.....	Oncology.....	11	11	.....	22	1
MEDICINE:						
Med 624, 625, 626.....	Med. Outpatient Clinic.....	.....	.....	132	132	6
Med 627, 628, 629.....	Med. Clinic.....	.....	.....	33	33	1½
Med 635.....	Tuberculosis Clinic.....	.....	.....	22	22	1
Med 636.....	Diabetes, and Metabol. Outpatient Clinic.....	.....	.....	22	22	1
Med 645.....	Cardiovascular-Renal Outpatient Clinic.....	.....	.....	22	22	1
Med 651.....	Medical Jurisprudence.....	11	.....	.....	11	½
Med 658.....	Allergy Clinic.....	.....	.....	11	11	1
Med 661.....	Medical Economics.....	11	.....	.....	11	½
Med 664.....	Tuberculosis Clerkship.....	5½	.....	.....	5½	½
Med 671.....	Occupational Med. and Toxicology.....	11	.....	.....	11	1
Med 672, 673, 674.....	Medical Clinics.....	.....	.....	33	33	1½
Med 678, 679.....	Tropical Medicine.....	22	.....	.....	22	2
Med 680.....	Gastroenterology Outpatient Clinic.....	.....	.....	22	22	1
Med 681.....	Endocrinology Outpatient Clinic.....	.....	.....	22	22	1
Med 682.....	Chest Diseases Outpatient Clinic.....	.....	.....	22	22	1
Med 683.....	Hematology Outpatient Clinic.....	.....	.....	22	22	1
Med 684.....	Allergy Outpatient Clinic.....	.....	.....	22	22	1
Neu 614.....	Nervous Dis. Outpatient Clinic.....	.....	.....	22	22	1
Neu 615.....	Nerv. and Mental Clinic.....	.....	.....	11	11	½
Ps 615.....	Psychiatry Outpatient Clinic.....	.....	.....	22	22	1
Ps 619.....	Psychoses.....	11	.....	.....	11	½
Der 615.....	Dermatology.....	.....	.....	33	33	1½
Der 616.....	Derm. Syph. Clinic.....	.....	.....	11	11	½

	Lec- ture	Lab.	Aggregate hours		Term hours		
			Clin- ic	To- tal			
SURGERY:							
Sur 617.....	Outpatient Clinic.....		33	33	1½		
Sur 620, 621, 622.....	Surgical Conference.....		33	33	1½		
Sur 623, 624, 625.....	Gen. Surg. Clinic.....		66	66	3		
Sur 663.....	Clerkship in Anaesthesia.....		11	11	½		
Orp 616.....	Orp. Outpatient Clinic.....		33	33	1½		
OPHTH., OTOL., RHIN., LARYN.:							
Eye 612.....	Ophth. Outpatient Clinic.....		33	33	1½		
Eye 613.....	Ophth. Lecture.....	11		11	½		
Ent 612.....	O. R. and L. Outpatient Clinic.....		33	33	1½		
Ent 613.....	O. R. and L. Lecture.....	11		11	½		
UROLOGY:							
Ur 612, 613.....	Clinic.....		22	22	1		
Ur 614.....	Outpatient Clinic.....		33	33	1½		
OBSTETRICS:							
Obs 616.....	Clinic.....		22	22	1		
Obs 617.....	Outpatient Service (twelve days service in hospital and home deliveries).....		33	33	1½		
Obs 618.....	Postnatal Clinic.....		5	5	½		
Obs 619, 620, 621.....	General Clinic.....		33	33	1½		
Obs 622.....	Clerkships.....		11	11	½		
GYNECOLOGY:							
Gyn 614.....	Outpatient Clinic.....		22	22	1		
Gyn 615.....	Operative Clinic.....		11	11	½		
PEDIATRICS:							
Ped 619.....	Outpatient Clinic.....		33	33	1½		
Ped 622, 623, 624.....	Dis. Inf. and Child.....	33		33	1½		
			137½	11	1,050	1,198½	57

RECAPITULATION

	Lecture	Aggregate hours		Total	Term hours		
		Laboratory	Clinic				
First Year.....	352	858		1,210	58		
Second Year.....	451	561	66	1,078	61		
Third Year.....	693	44	495	1,232	74½		
Fourth Year.....	137½	11	1,050	1,198½	57		
			1,633½	1,474	1,611	4,718½	250½

PRESCRIBED WORK BY DEPARTMENTS

	Preclinical	Aggregate of hours
Anatomy.....		704
Bacteriology.....		220
Biochemistry.....		242
Physiology.....		297
Pharmacology.....		176
Pathology.....		264
Military Science.....		66
Total hours, preclinical.....		1,969

Clinical

Pathology	187
Medicine:	
General Medicine (including Preventive Medicine)	1,083½
Nervous and Mental Diseases	33
Psychiatry	66
Dermatology and Syphilology	77
Radiology	33
Medical Jurisprudence	11
Medical Economics	33
Public Health	33
Dental Medicine	11
Surgery:	
General Surgery	451
Orthopaedics	99
Ophthalmology	55
Otology, Rhinology, Laryngology	55
Urology	66
Gynecology	110
Obstetrics	203
Pediatrics	165
<hr/>	
Total hours, clinical	2,749½
Total hours, prescribed work	4,718½

Course-Numbering System

MEDICAL School courses are numbered in accordance with the uniform course-numbering system of the Oregon State System of Higher Education. This numbering system, as it applies to the Medical School courses, is as follows:

- 400-499. Upper-division courses primarily for first-year students in medicine, but to which graduate students may be admitted on approval of the graduate adviser and department head concerned.
- 500-599. Courses primarily for students in basic medical science, but to which graduate students may be admitted on approval of graduate adviser and department head concerned.
- 600-699. Courses that are highly professional in nature and may count toward a professional degree, but cannot apply toward an advanced academic degree (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:

- | | |
|----------------|------------------------------|
| 501. Research. | 505. Reading and Conference. |
| 503. Thesis. | 507. Seminar. |

Basic-Science Departments

ANATOMY

REQUIRED COURSES

FIRST YEAR

An 411, 412, 413. **Gross Anatomy.** 6 hours fall, 8 hours winter, 4 hours spring. Fall: lectures and quizzes, 3 hours; laboratory, 9 hours. Winter: lectures and quizzes, 4 hours; laboratory, 12 hours. Spring: lectures and quizzes, 2 hours; laboratory, 6 hours; 396 hours. Drs. Pearson, Stotler, and assistants.

- An 414, 415. **Microanatomy.** 6 hours fall, 4 hours winter.
Fall: lectures and quizzes, 3 hours; laboratory, 9 hours. Winter: lectures and quizzes, 2 hours; laboratory, 6 hours; 220 hours. Drs. Larsell, Tunturi, and assistants.
- An 511. **Neurology and Organs of Special Senses.** 4 hours spring.
Prerequisites: An 411-415. Lectures, 2 hours; laboratory, 6 hours; 88 hours. Drs. Larsell, Tunturi, and assistants.

ELECTIVE COURSES

- An 416. **Microscope Technique.** 2 hours winter.
Limited to 12 students. Registration only after consultation with instructor. Laboratory 6 hours; 66 hours. Dr. Larsell and Mrs. Scott.
- An 501. **Research.** Any term, hours to be arranged.
Open to qualified students in any branch of anatomy upon approval of the instructors. Drs. Larsell, Pearson, Stotler, and Tunturi.
- An 505. **Reading and Conference.** Any term, hours to be arranged.
Drs. Larsell, Pearson, Stotler, Tunturi.
- An 507. **Seminar and Journal Club.** Any term, hours to be arranged.
Anatomical staff and advanced students. Dr. Larsell.
- An 511. **Advanced Histology.** Winter, hours to be arranged.
Prerequisites: An 414, 415. Laboratory, 6 hours or less. Limited to 20 students. Dr. Larsell.
- An 513. **Topographical Anatomy.** 1 or 2 hours spring.
Prerequisites: An 411, 412, 413. Limited to 15 students. Laboratory, 3 or 6 hours; 33 or 66 hours. Drs. Pearson and Stotler.
- An 514. **Special Dissections.** Term and hours to be arranged.
Registration limited by available material. Prerequisites: An 411, 412, 413.
- An 516. **Mechanism of the Central Nervous System.** 1 hour spring.
Lectures, reading assignments, and demonstrations of experiments on the central nervous system. Lecture, 1 hour; demonstration and reading to be arranged. Dr. Tunturi.
- An 517. **Comparative Neurology.** Winter or spring, hours to be arranged.
Lectures, conferences, and laboratory. Dr. Larsell.
- An 611. **Applied Anatomy.** 2 hours spring.
Prerequisites: An 411, 412, 413. Lectures and demonstrations, 2 hours; 22 hours. Limited to 45 students. Dr. Gius and assistants.

BACTERIOLOGY

REQUIRED COURSES

FIRST YEAR

- Bac 413. **Medical Bacteriology and Immunology.** 6 hours spring.
Lectures and recitations, 3 hours; laboratory, 9 hours; 132 hours. Drs. Sears, Frisch, and Veazie.

SECOND YEAR

- Bac 414. **Medical Bacteriology and Immunology.** 4 hours fall.
Lectures and recitations, 2 hours; laboratory, 6 hours; 88 hours. Drs. Sears Frisch, and Veazie.

ELECTIVE COURSES

- Bac 501. **Research in Bacteriology and Immunology.** Hours to be arranged.
Drs. Sears and Frisch.
- Bac 505. **Reading and Conference.** Any term, hours to be arranged.
Drs. Sears and Frisch.
- Bac 507. **Seminar in Bacteriology and Immunology.** 1 hour any term.
Meetings of the departmental staff and assistants with a number of specially qualified students to discuss the newer developments in the science as they appear in the current periodical literature. Topics assigned and individual reports read at meetings of the class. Open to a limited number of students. Meetings held once each week for one hour. Dr. Sears.
- Bac 508. **Advanced Bacteriology and Immunology.** Any term, hours to be arranged.
A course for medical, special, and graduate students who wish to pursue any phase of the subject beyond Bac 414. Drs. Sears and Frisch.

BIOCHEMISTRY

REQUIRED COURSES

FIRST YEAR

- BCh 411, 412. **Biochemistry.** 6 hours each term, fall and winter.
Fall: lectures, 4 hours; laboratory, 6 hours. Winter: lectures, 3 hours; laboratory, 9 hours; 242 hours. Drs. West, Todd, and Van Bruggen, and assistants.

ELECTIVE COURSES

- BCh 501. **Biochemistry Research.** Any term, hours to be arranged.
Drs. West, Todd, and Van Bruggen.
- BCh 505. **Reading and Conference.** Any term, hours to be arranged.
Drs. West, Todd, and Van Bruggen.
- BCh 507. **Seminar.** Any term, hours to be arranged.
- BCh 512. **Advanced Biochemistry.** Spring, hours to be arranged.
The work consists of biochemical preparations, selected methods of analysis, assigned readings, and conferences. Prerequisites: BCh 411, 412. Drs. West, Todd, and Van Bruggen.
- BCh 513. **Selected Topics in Biochemistry.** 1 hour fall.
Biochemical material presented in this course provides additional training in the field as related to clinical medicine; 1 hour; 11 hours. Drs. West, Todd, and Van Bruggen.
- Laboratory Diagnosis.* Required for second-year students; see Med 511.

PATHOLOGY

REQUIRED COURSES

SECOND YEAR

- Pth 511. **General Pathology.** 6 hours fall.
Study of prepared slides supplemented by experiments; fresh and museum specimens. Lectures and recitations, 3 hours; laboratory, 9 hours; 132 hours. Dr. Hunter or Dr. Sneed.

Pth 512. General Pathology. 6 hours winter.

Lectures, 3 hours; laboratory, 9 hours; 132 hours. Dr. Hunter or Dr. Sneed.

THIRD YEAR

Pth 514. Gynecological and Obstetrical Pathology. 1½ hours fall or spring.

Lectures, 1 hour; laboratory, 2 hours; 33 hours. Drs. Hunter, Johnston, Queen, and Sneed.

Pth 515. Laboratory Neuropathology. 1½ hours fall.

Continuation of Ps 611; consists of laboratory work and demonstrations dealing with inflammatory reactions and degenerative conditions, with emphasis on general paresis, tabes dorsalis, and brain tumors. Gross pathological specimens and demonstrations are used in illustrating the diseases studied. Lectures, 1 hour; laboratory, 2 hours; 33 hours. Drs. Queen, and Raaf, and assistants.

FOURTH YEAR

Pth 613. General Pathology Conference. ½ hour each term.

One hour a week throughout the year; 33 hours. Staffs of the departments of Pathology, Medicine, Surgery, and Obstetrics and Gynecology.

Pth 615. Tumor Clinic. ½ hour each term.

One hour a week throughout the year; 33 hours. Staffs of the departments of Pathology, Medicine, Surgery, Obstetrics, and Gynecology.

Pth 617. Surgical Pathology. 1½ hours.

Two hours a week for one term and two hours a week for 5½ weeks; 33 hours. Dr. Hunter and staff.

Pth 618. Oncology. 1 hour spring.

Systematic study of cancer. Historical development of knowledge; experimental development of cancer; characteristics of human cancer; statistical information; present cancer problems; recent developments; organizational attack; methods of diagnosis and therapy; patient's and physician's responsibilities. Round-table instruction, with illustrations. Lecture, 1 hour; laboratory, 1 hour; 22 hours. Dr. Queen.

Medical Jurisprudence. Required for fourth-year students; see Med 651.

ELECTIVE COURSES

Pth 501. Research. Any term, hours to be arranged.

Open to specially qualified students. Dr. Hunter or Dr. Sneed.

Pth 505. Reading and Conference. Any term, hours to be arranged.

Drs. Hunter and Sneed.

Pth 516. Advanced Systemic Pathology. Any term, hours to be arranged.

Study of the detached pathology of one system. Dr. Hunter or Dr. Sneed.

Pth 517. Advanced Pathological Histology. Any term, hours to be arranged.

Systematic study of microscopic sections of autopsy tissues. Open to students who have had at least one term's work in pathology. Drs. Hunter and Sneed.

Pth 518. Special Pathology of Heart and Circulation. Spring, hours to be arranged.

Dr. Hunter.

Pth 614. Attendance at Autopsies. Fall or winter, hours to be arranged.

Opportunity offered to students to elect autopsy attendance with instruction. Such students are required to assist and make detailed suggestions. Limited to 20 students. Drs. Hunter, Johnston, and Sneed, and assistants.

Pth 616. Tumor Clinic. $\frac{1}{2}$ or 1 hour, one section each term.

Attendance at tumor clinic at U. S. Veterans Hospital. Two hours a week for $5\frac{1}{2}$ weeks, 11 hours. Dr. Menne.

PHARMACOLOGY

REQUIRED COURSES

SECOND YEAR

Phc 511. Systematic Pharmacology and Prescription Writing. 6 hours winter.

Lectures and quizzes, 5 hours; laboratory, 3 hours; 88 hours. Drs. David and Dickinson.

Phc 512. Systematic Pharmacology and Pharmacodynamics. 6 hours spring.

Lectures and quizzes, 5 hours; laboratory, 3 hours; 88 hours. Drs. David and Dickinson.

Applied Pharmacology. Given in conjunction with Med 624, 625, 626.

ELECTIVE COURSES

Phc 501. Research. Any term, hours to be arranged.

Students who are properly qualified and who can devote an adequate amount of time to the work are encouraged to pursue original investigations of pharmacological problems. Dr. David.

Phc 505. Reading and Conference. Any term, hours to be arranged.

Dr. David.

Phc 507. Seminar. 2 hours spring.

Open to third- and fourth-year students; 2 hours; 22 hours. Dr. David.

Phc 514. Toxicological Analysis. 2 hours spring.

(Second year.) Lectures and quizzes, 1 hour; laboratory, 3 hours; 44 hours. Limited to 16 students. Dr. David.

PHYSIOLOGY

REQUIRED COURSES

FIRST YEAR

Phy 412. Digestive System, Endocrinology, Metabolism, and Renal Physiology. 5 hours spring.

Lectures and recitations, 3 hours; laboratory, 6 hours; 99 hours. Drs. Youmans, Renshaw, Maddock, and Peterson, and assistants.

SECOND YEAR

Phy 411. Blood, Circulation, and Respiration. 5 hours fall.

Prerequisites: BCh 411, 412. Lectures and recitations, 3 hours; laboratory, 6 hours; 99 hours. Drs. Youmans, Renshaw, Maddock, and Peterson, and assistants.

Phy 413. Nervous System and Senses. 5 hours winter.

Prerequisites: An 411, 412, 413. Lectures and recitations, 3 hours; laboratory, 6 hours; 99 hours. Drs. Youmans, Renshaw, Maddock, and Peterson, and assistants.

ELECTIVE COURSES

- Phy 414. **History of Physiology.** 1 hour winter.
One hour a week. Limited to 10 students.
- Phy 501. **Research.** Any term, hours to be arranged.
Drs. Youmans and Renshaw.
- Phy 505. **Reading and Conference.** Any term, hours to be arranged.
Drs. Youmans and Renshaw.
- Phy 507. **Seminar.** Any term, hours to be arranged.
- Phy 511. **Physiology of the Glands of Internal Secretion.** 2 hours spring.
Prerequisites: Phy 411, 412, 413. Lectures, 1 hour; laboratory, 3 hours; 44 hours. Limited to 8 students.
- Phy 513. **Physiology of the Autonomic Nervous System.** 1 hour fall.
Devoted primarily to problems concerning the physiology of the peripheral autonomic nervous system, including the transmission of impulses at autonomic synapses and neuroeffector junctions. Attention given to the production, action, and destruction of the neurohormones. Reports and discussion. Limited to 15 students. 1 hour; 11 hours.

MILITARY SCIENCE AND TACTICS

The Army Reorganization Act of June 4, 1920 provided for the establishment of units of the Reserve Officers' Training Corps in selected medical schools. An R. O. T. C. unit was established at the University of Oregon Medical School in 1920.

The courses offered are correlated with other courses taught in the Medical School. The organization, administration, and functions of the Army in war and peace are studied. Particular stress is laid on the place of the medical department in the military organization.

Instruction is given by lectures, demonstrations, and quizzes.

REQUIRED COURSES

- Mil 411, 412, 413. **Military Medicine (First Year).** 1 hour each term.
- Mil 414, 415, 416. **Military Medicine (Second Year).** 1 hour each term.

Military organization, history of military medicine, theoretical schools of the soldier and company, first aid, organization and administration of the medical department, map reading, tactics, and the use of medical units in peace and war. Lieutenant Colonel Wiles.

ELECTIVE COURSES

- Mil 417, 418, 419. **Advanced Military Medicine (Third Year).** 1 hour each term.
- Mil 420, 421, 422. **Advanced Military Medicine (Fourth Year).** 1 hour each term.

Completion of the elementary course or its equivalent is a prerequisite. Students who complete the work of the advanced course will be eligible, on graduation, for a commission in the Officers' Reserve Corps. Work during the school year covers hygiene, sanitation, control of communicable diseases, history and development of military hospitals and hospitalization, school of the officer, medical and surgical diseases peculiar to war, aviation medicine, and allied subjects. A summer camp of six weeks' duration is required as part of the advanced course. While in attendance at camp, students receive the pay of privates first class of the U. S. Army, and are furnished uniforms, shelter, subsistence, medical service, and transportation to and from camp. Commutation

of subsistence amounting to approximately \$321 is now paid during the period of the advanced course. Additional allowances are contemplated but will require Congressional action. Lieutenant Colonel Wiles.

Clinical Departments

MEDICINE

INTERNAL MEDICINE

REQUIRED COURSES

SECOND YEAR

- Med 511. **Laboratory Diagnosis.** 6 hours spring.
Lectures, 3 hours; laboratory, 9 hours; 132 hours. Dr. Grondahl and assistants.
- Med 612, 613, 614. **Physical Diagnosis.** 3 hours each term.
Lectures, 2 hours; demonstrations, 2 hours; 132 hours. Drs. Lewis, Haney, Littlehales, Philip Selling, Speros, and Welch.

THIRD YEAR

- Med 617, 618, 619. **Clinical Clerkship.** 4 hours each term.
Sections of the third-year class are assigned to the medical service of the Multnomah Hospital throughout the year; 44 hours each term, 132 hours. Drs. Baker, Crommelin, Forster, Gilmore, Goodman, Krygier, McCutchen, McMahon, Joseph Miller, Robert Miller, Paquet, and Schwartz.
- Med 620, 621, 622. **Medical Clinic.** 1 hour each term.
Multnomah Hospital. One hour throughout the year, in sections; 33 hours. Drs. Perlman and Riddle.
- Med 665, 666, 667. **Medical Ward Rounds.** ½ hour each term.
Presentation and discussion of cases at the bedside. Multnomah Hospital. One hour a week, throughout the year, in sections; 33 hours. Drs. Lewis, Dow, Haney, Heller, Holman, and Osgood.
- Med 668, 669 670. **Practice of Medicine.** 6 hours each term.
Systematic study of various medical disorders. The subject is divided into natural groups according to systems, each field being discussed separately, with emphasis on anatomy, physiology, clinical manifestations, and therapy. Lectures, 6 hours; 198 hours. Drs. Lewis, Crommelin, Fitzgibbon, Goldsmith, Haney, Heller, Holcomb, Krygier, Labby, Long, Margason, Moore, Osgood, Riddle, Rush, Laurence Selling, Underwood, Weinzirl, and Wilson.

FOURTH YEAR

- Med 624, 625, 626. **Medical Outpatient Clinic.** 2 hours each term.
Four hours throughout the fourth year; 132 hours. Drs. Allen, Cohen, Field, Fisher, Grossman, Haney, Harding, Horenstein, Kulasavage, Labby, Long, McGovern, Noehren, Peterson, Pierson, Robins, Rosenbaum, Seward, Scott, Philip Selling, Stenzel, Taylor, Welch, and Wiles.
- Med 627, 628, 629. **Medical Clinic.** ½ hour each term.
Tuberculosis Hospital. Diseases of the chest. One hour throughout the year; 33 hours. Drs. Conklin and Speros.
- Med 635. **Tuberculosis Clinic.** 1 hour, one section each term.
Outpatient Clinic. Four hours a week for 5½ weeks, throughout the year, in sections; 22 hours. Drs. Cohen, Goodman, and Speros.

- Med 636. Diabetes and Metabolism Division, Outpatient Clinic.** 1 hour, one section each term.
Outpatient Clinic, clinical conference. Two hours a week for one term; throughout the year, in sections; 22 hours. Drs. Blair Holcomb, Crommelin, Haney, Roger Holcomb, and Manville.
- Med 645. Cardiovascular-Renal Disease Division, Outpatient Clinic.** 1 hour, one section each term.
Outpatient Clinic, clinical conference. Two hours a week for one term; throughout the year, in sections; 22 hours. Drs. Rush, Underwood, Brill, Coffen, Davis, Goldsmith, Haney, Mills, Paquet, Pierson, Riddle, Schwartz, Stenzel, Swett, Underwood, Welch, and Wilson.
- Med 651. Medical Jurisprudence.** $\frac{1}{2}$ hour spring.
Eleven hours. Drs. Hunter, Sneed, Richardson, and the district attorney of Multnomah County.
- Med 658. Allergy Clinic.** 1 hour spring.
Clinic, 1 hour a week; 11 hours. Dr. Benson.
- Med 661. Medical Economics.** $\frac{1}{2}$ hour.
Lectures on medical economics; 11 hours.
- Med 664. Tuberculosis Clerkship.** $\frac{1}{2}$ hour, one section each term.
Tuberculosis Hospital. One hour a week for $5\frac{1}{2}$ weeks, throughout the year, in sections; $5\frac{1}{2}$ hours. Dr. Conklin.
- Med 671. Occupational Medicine and Toxicology.** 1 hour fall.
Disorders arising from exposure to various toxic substances encountered in industry, and disorders resulting from the use of poisons. Lectures, 11 hours. Dr. David.
- Med 672, 673, 674. Medical Clinics.** $\frac{1}{2}$ hour each term.
Multnomah Hospital. Demonstrations, one hour a week, throughout the year, in sections; 33 hours. Drs. Lewis and Sears.
- Med 678, 679. Tropical Medicine.** 1 hour each term, winter and spring.
Diagnosis and clinical and therapeutic aspects of tropical diseases. One hour a week for 22 weeks; 22 hours. Dr. Riddle.
- Med 680. Gastroenterology Division, Outpatient Clinic.** 1 hour, one section each term.
Outpatient Clinic, clinical conference. Two hours a week for one term; throughout the year, in sections; 22 hours. Drs. Fitzgibbon, Hollenbeck, Boylston, DuBois, Field, Keane, Krygier, Labby, Littlehales, Lodmell, Long, Meienberg, Mills, Wiles, and Woods.
- Med 681. Endocrinology Division, Outpatient Clinic.** 1 hour, one section each term.
Outpatient Clinic, clinical conference. Two hours a week for one term; throughout the year, in sections; 22 hours. Drs. Heller, Hibbs, Harvey, McGovern, Rogers, and Wiles.
- Med 682. Chest Diseases Division, Outpatient Clinic.** 1 hour, one section each term.
Outpatient Clinic, clinical conference. Two hours a week for one term; throughout the year, in sections; 22 hours. Drs. Conklin, Speros, Cohen, Samuel Diack, Goodman, and Hollingworth.
- Med 683. Hematology Division, Outpatient Clinic.** 1 hour, one section each term.
Outpatient Clinic, clinical conference. Two hours a week for one term; throughout the year, in sections; 22 hours. Drs. Osgood and Joseph Miller.

Med 684. **Allergy Division, Outpatient Clinic.** 1 hour, one section each term. Outpatient Clinic, clinical conference. Two hours a week for one term; throughout the year, in sections; 22 hours. Drs. Benson, Perlman, Matteri, and Moore.

ELECTIVE COURSES

Med 501. **Research in Hematology.** Any term, hours to be arranged. Dr. Osgood.

Med 505. **Reading and Conference.** Any term, hours to be arranged. For third- and fourth-year students. Dr. Osgood.

Med 601. **Research.** Any term, hours to be arranged.

Med 649. **Tuberculosis-Control Clinic for Children.** ½ hour any term. (Fourth year.) 11 hours. Limited to 4 students. Dr. Speros.

Med 659. **Electrocardiography.** ½ hour fall.

Lectures on electrocardiography. 11 hours. Drs. Rush and Haney.

Med 660. **Outpatient Clinic.** Any term, hours to be arranged in accordance with the requirements in the regular Outpatient Clinic course.

(Fourth year.) Elective credit for completion of clinical work in the department in addition to that required in the regular Outpatient Clinic course.

NEUROLOGY

REQUIRED COURSES

FOURTH YEAR

Neu 614. **Neurology Division, Outpatient Clinic.** 1 hour, one section each term. Outpatient Clinic, clinical conference. Two hours a week for one term; throughout the year, in sections; 22 hours. Drs. Margason, Dow, Burns, Carter, and Philip Selling.

Neu 615. **Clinic.** ½ hour, one section each term.

Sections of the fourth-year class are assigned to the neurological service of the Multnomah Hospital. Throughout the year, in sections; 11 hours. Dr. Dow.

PSYCHIATRY

REQUIRED COURSES

SECOND YEAR

Ps 611. **Lectures: Neuropathology and Psychopathology.** 1 hour winter.

A series of lectures covering: (1) organic diseases of the central nervous system; (2) the fundamentals of psychopathy, including anxiety, mental depression, obsessions, compulsions, pathological sleep, false belief, sensory imagination, pathological sex, pathological memory, etc.; 11 hours. Drs. Dixon and Dickel.

THIRD YEAR

Ps 613, 614. **General Psychiatric Lectures.** ½ hour each term, winter and spring.

Lectures. Psychopathology and symptoms of various mental reaction types and behavior disorders of children. One hour a week for two terms for entire class; 22 hours. Drs. Dickel, Dixon, and Haugen.

Laboratory Neuropathology. (See Pth 515.)

FOURTH YEAR

Ps 615. Psychiatry Division, Outpatient Clinic. 1 hour, one section each term.

Outpatient Clinic, clinical conference. Two hours a week for one term; throughout the year, in sections; 22 hours. Drs. Dixon, Dickel, Campbell, Coen, Evans, Haugen, Hutchens, Jens, Kenin, and Morrison.

Ps 619. Psychoses. ½ hour fall.

Lectures and demonstrations of various psychoses from the viewpoint of mental mechanism, etiology, symptomatology, diagnosis, and treatment; 11 hours. Drs. Dickel and Dixon.

ELECTIVE COURSE

Ps 618. Demonstration Course in Prepsychotic Cases. 1 hour any term.

(Fourth year.) One hour a week for one term; 11 hours. Limited to 8 students. Dr. Dixon.

DERMATOLOGY AND SYPHILOLOGY

REQUIRED COURSES

THIRD YEAR

Der 611, 612, 613. Dermatology and Syphilology Clinic. ½ hour each term.

One hour each week devoted to presentation of clinical cases with detailed discussion of etiology, symptomatology, and differential diagnosis. One hour a week throughout the year; 33 hours. Drs. Kingery, Dahl, Davis, Illge, Ray, and Saunders.

FOURTH YEAR

Der 615. Clinical Lecture and Conference Course. 1½ hours, one section each term.

Utilization of outpatient material; clinical and microscopic diagnostic procedures; general therapy. Three hours a week for each section for one term; 33 hours. Drs. Kingery, Dahl, Davis, Illge, Labadie, and Saunders.

Der 616. Syphilis Outpatient Clinic. ½ hour, one section each term.

One hour, twice a week for 5½ weeks; 11 hours. Drs. Dahl, Davis, Illge, and Saunders.

RADIOLOGY

REQUIRED COURSES

THIRD YEAR

Rad 611, 612, 613. Radiographic Diagnosis. ½ hour each term.

Lectures and quizzes. Consideration of the interpretation of pathology as depicted on the radiograph and the fluorescent screen; the medical, surgical, and dental application of roentgenology in diagnosis; the uses, the limitations, and the dangers; 33 hours. Drs. Burton, Gilbertson, Hunter, Hyman, Raines, and Woolley.

ELECTIVE COURSE

Rad 614. Radiographic Technique. ½ hour any term.

(Third year.) Lectures of a practical nature; the principles of radiography, and actual demonstration of technique; 11 hours. Limited to 20 students. Mr. Johnson.

PUBLIC HEALTH AND PREVENTIVE MEDICINE

REQUIRED COURSE

THIRD YEAR

PH 511. **Principles of Public Health.** 3 hours winter.

The general principles of public health activities; control of communicable diseases; organization of Federal, state, local, and other health agencies; elements of infant, school, and industrial hygiene, and vital statistics. Lectures, recitations, and discussions, 3 hours; 33 hours. Dr. Weinzirl.

ELECTIVE COURSES

PH 501. **Research.** Any term, hours to be arranged.

PH 505. **Reading and Conference.** Any term, hours to be arranged.

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

DENTAL AND ORAL MEDICINE

REQUIRED COURSE

THIRD YEAR

DM 612. **Dental Facial Growth and Oral Pathology.** 1 hour.

The course is designed to give the medical student an appreciation of significant growth and developmental changes in the face and dentition; the nature and systemic relation of oral disease; and the reciprocal relation of systemic disturbance upon the oral tissues. A survey of oral disease is provided by textbook reading; the lectures give special emphasis on dental caries, oral foci of infection, periodontal disease, inflammatory conditions of the oral mucosa, and diagnostic method, including oral radiography. One hour a week for one term; 11 hours. Dr. Noyes.

SURGERY

GENERAL SURGERY

REQUIRED COURSES

SECOND YEAR

Sur 610. **First Aid.** 2 hours any term.

Emergency treatment to be given before the arrival of a doctor in cases of accident or physical injury. Lectures and demonstrations, 2 hours; 22 hours. Dr. Noall.

Sur 611. **Recitation.** 2 hours spring.

Recitations, 2 hours; 22 hours. Drs. Arch Diack, Lockitch, and Roberts.

THIRD YEAR

Sur 612, 613. **Recitation.** 1 hour each term, fall and winter.

Recitations, 2 hours; 44 hours. Drs. Arch Diack, Lockitch, and Roberts.

Sur 615. **Physiotherapy.** ½ hour spring.

Lectures and demonstrations; 11 hours. Dr. Jones.

Sur 640, 641, 642. **Clinical Clerkship.** 1 hour each term.

Multnomah Hospital. Two hours throughout the year; 66 hours. Drs. Chauncey, Guiss, Kelsey, McKirdie, Nichols, and Packard.

- Sur 643, 644, 645. **Surgical Clinic.** 1 hour each term.
Multnomah Hospital. Two hours throughout the year, in sections, in connection with clerkships; 66 hours. Drs. Davis, Gardner, Gurney, Hand, O. N. Jones, McKelvey, Martzloff, Raaf, and Zeller.
- Sur 646, 647, 648. **Clerkship Clinic.** ½ hour each term.
Conference course, covering surgical clerkship and assignments. One hour throughout the year; 33 hours. Dr. Gius.
- Sur 649. **Operative Surgery.** 1 hour, one section each term.
Operative work upon animals; 2 hours a week throughout the year, in sections; 22 hours. Dr. Shields.

FOURTH YEAR

- Sur 617. **Outpatient Clinic.** 1½ hours.
Two hours a week for one term and two hours a week for 5½ weeks; 33 hours. Drs. Bettman, Buckley, Caniparoli, Clisby, Diack, Hershey, Higginson, Johnsrud, Nadal, Nichols, Nisbet, Poppe, Reiner, Ross, and Rowland.
- Sur 620, 621, 622. **Surgical Conference.** ½ hour each term.
One hour a week throughout the year, in sections; 33 hours. Drs. Adams, Dodson, Gius, Howard, Nadal, St. Pierre, and Seabrook.
- Sur 623, 624, 625. **General Surgical Clinic.** 1 hour each term.
Multnomah Hospital. Two hours a week throughout the year; 66 hours. Drs. Livingston and Graham.

ELECTIVE COURSES

- Sur 601. **Research.** Any term, hours to be arranged.
- Sur 627. **Proctology Lectures.** ½ hour spring.
(Third year.) Prerequisite to Sur 628; 11 hours. Dr. Laird.
- Sur 628. **Proctology.** ½ hour, one section each term.
(Fourth year.) A clinic of diseases of rectum and colon. Prerequisite: Sur 627. 11 hours. Limited to four students. Drs. Bollam, Laird, Munroe, and Smalley.
- Sur 630. **Surgical Lesions of the Gastro-Intestinal Tract.** ½ hour spring.
(Third year.) Lecture and demonstration course on diagnosis, pathology, and treatment; 11 hours.
- Sur 631. **Surgery of the Visceral Nervous System.** ½ hour winter.
(Fourth year.) Lectures and demonstrations; 11 hours.
- Sur 633. **Pain: Its Relation to Diagnosis.** ½ hour winter.
(Fourth year.) 11 hours.
- Sur 635. **Differential and Regional Neurosurgical Diagnosis and Therapeutics.** ½ hour winter.
(Fourth year.) Lectures and demonstrations; 11 hours. Limited to 12 students. Dr. Raaf.
- Sur 636. **Acute Abdominal Lesions.** ½ hour spring.
(Fourth year.) Lectures; 11 hours. Dr. Gambee.
- Sur 660. **Outpatient Clinic.** Any term, hours to be arranged in accordance with the requirements in the regular Outpatient Clinic course.
(Fourth year.) Elective credit for completion of clinical work in the department in addition to that required in the regular Outpatient Clinic course.

ORTHOPAEDIC SURGERY

REQUIRED COURSES

THIRD YEAR

- Orp 611. **Orthopaedic Surgery.** 1 hour fall
Lectures, 2 hours a week; 22 hours. Dr. Noall.
- Orp 612, 613. **Surgery of the Extremities.** 1 hour each term, winter and spring.
Systematic lectures and demonstrations dealing chiefly with fractures and other traumatic disorders of the extremities. The upper extremity is covered in one term, the lower in the other. Lectures and clinics, 2 hours; 44 hours.
Drs. Blair and Carlson.

FOURTH YEAR

- Orp 616. **Orthopaedic Outpatient Clinic.** 1½ hours each term.
One hour three times a week for 11 weeks; throughout the year; in sections; 33 hours. Drs. Abele, Begg, Berg, Chuinard, H. Davis, J. Davis, Hafner, Hie-stand, Jones, Kimberley, McKelvey, Noall, Short, and Smith.

ELECTIVE COURSE

- Orp 615. **Orthopaedic Ward Walk.** 1 hour any term.
(Fourth year.) Shriners Hospital for Crippled Children. General ward rounds in the hospital, with discussion of the cases and methods of orthopaedic treatment in deformities of children; 2 hours; 22 hours. Limited to 20 students.
Dr. Lucas.

OPHTHALMOLOGY

REQUIRED COURSES

THIRD YEAR

- Eye 611. **Eye.** ½ hour spring.
Lectures and quizzes, 1 hour; 11 hours. Dr. Swan.

FOURTH YEAR

- Eye 612. **Eye Outpatient Clinic.** 1½ hours, one section each term.
Six hours a week for 5½ weeks; throughout the year, in sections; 33 hours.
Drs. Swan, Butler, Henton, Reeh, Taylor, and U'Ren.
- Eye 613. **Eye.** ½ hour fall.
Lectures, demonstrations, and quizzes at each lecture and operative clinic; 11 hours. Dr. Swan.

ELECTIVE COURSES

- Eye 601. **Research.** Any term, hours to be arranged.
Dr. Swan.
- Eye 615. **Advanced Ophthalmology.** Any term, hours to be arranged.
(Fourth year.) Injuries and diseases. Limited to 4 students. Dr. Swan.
- Eye 660. **Outpatient Clinic.** Any term, hours to be arranged in accordance with the requirements of the regular Outpatient Clinic course.
(Fourth year.) Elective credit for completion of clinical work in the department in addition to that required in the regular Outpatient Clinic course.

OTOLOGY, RHINOLOGY, AND LARYNGOLOGY

REQUIRED COURSES

THIRD YEAR

- Ent 611. **Ear, Nose, and Throat.** ½ hour fall.
Lectures, recitations, and quizzes; 11 hours. Dr. Boyden.

FOURTH YEAR

- Ent 612. **Ear, Nose, and Throat Outpatient Clinic.** 1½ hours, one section each term.
Practical instruction in examination and treatment of cases. Six hours a week for 5½ weeks; throughout the year, in sections; 33 hours. Drs. Adix, Bolton, Chamberlain, DeWeese, Jordan, Kuhn, Saunders, Scovis, Simons, and Titus.
- Ent 613. **Ear, Nose, and Throat.** ½ hour winter.
Lectures, demonstrations, and quizzes at each lecture and operative clinic; 11 hours. Drs. Bailey, DeWeese, and Jones.

ELECTIVE COURSES

- Ent 614. **Advanced Otology.** ½ hour spring.
(Fourth year.) 11 hours. Limited to 6 students. Drs. Davis and Titus.
- Ent 615. **Advanced Rhinology.** ½ hour fall.
(Fourth year.) One hour a week; 11 hours. Limited to 4 students. Dr. Davis.
- Ent 660. **Outpatient Clinic.** Any term, hours to be arranged in accordance with the requirements in the regular Outpatient Clinic course.
(Fourth year.) Elective credit for completion of clinical work in the department in addition to that required in the regular Outpatient Clinic course.

UROLOGY

REQUIRED COURSES

THIRD YEAR

- Ur 611. **Diseases Affecting the Genito-Urinary Tract.** ½ hour spring.
Lectures, 1 hour; 11 hours. Dr. Hand.

FOURTH YEAR

- Ur 612, 613. **Urological Clinic.** ½ hour each term, fall and winter.
Lectures and clinics; 1 hour; 22 hours. Dr. McDougall.
- Ur 614. **Outpatient Clinic.** 1½ hours, one section each term.
Six hours a week for 5½ weeks throughout the year, in sections; 33 hours. Drs. Hand, Deur, Gardner, and McDougall.

ANAESTHESIOLOGY

REQUIRED COURSES

THIRD YEAR

- Sur 661, 662. **Lectures on Anaesthesia.** ½ hour each term, winter and spring.
Lectures on anaesthesia, with demonstration and description of equipment employed; discussion of history, physiology, signs, and methods of anaesthesia; the various agents employed: Lecture, 1 hour; 22 hours. Dr. Haugen.

FOURTH YEAR

Sur 663. **Clerkship in Anaesthesia.** ½ hour, one section each term.

Observation of anaesthetic procedures in the operating room, and directed supervision in assisting the administration of the various types of anaesthesia. Two hours a week for 5½ weeks; 11 hours. Dr. Haugen.

ELECTIVE COURSE

Sur 607. **Anaesthesia Seminar.** ½ hour spring.

(Third year.) Discussion of special methods, such as regional anaesthesia and diagnostic blocks; actual case histories from the standpoint of anaesthetic procedures; experimental reports and reading assignments. Limited to 12 students. One hour a week for one term; 11 hours. Dr. Haugen.

OBSTETRICS AND GYNECOLOGY

OBSTETRICS

REQUIRED COURSES

THIRD YEAR

Obs 611. **Introductory Obstetrics.** 1 hour fall.

Lectures, recitations, and demonstrations in obstetrics. The anatomy and physiology of the female pelvis and genitals; diagnosis of pregnancy; the management of normal pregnancy; physiology of and clinical course in normal labor and puerperium. One hour, twice a week; 22 hours. Drs. Fearl, Ronald Neilson, and Seitz.

Obs 612. **Lecture and Demonstration Course in Obstetrics.** 1 hour winter.

Mechanism of normal and abnormal presentation; manikin demonstration; care of the newborn child. Obstetrical technique; forceps, version, pubiotomy, cesarean section, and embryotomy. One hour, twice a week; 22 hours. Drs. Clancy, Fearl, Ronald Neilson, and Seitz.

Obs 613. **Pathology of Pregnancy, Labor, and the Puerperium.** 1 hour spring.

Lecture and demonstration. One hour, twice a week; 22 hours. Drs. Fearl, Ronald Neilson, Seitz, and Wilson.

Obs 614. **Attendance at Deliveries.** ½ hour any term.

Multnomah Hospital. Each student required to be in attendance and observe deliveries for a period of five days in Multnomah Hospital; prerequisite: Obs 611; 11 hours. Dr. Stearns.

Obs 615. **Manikin.** 1 hour, one section each term.

Lectures and demonstrations. Two hours a week for one term throughout the year, in sections; 22 hours. Drs. Duncan Neilson and Ronald Neilson.

Obstetrical Pathology. (See Pth 514.)

FOURTH YEAR

Obs 616. **Clinical Obstetrics.** 1 hour, one section each term.

Outpatient Clinic. Examination of pregnant women, pelvimetry, and instructions in prenatal and postpartum care. Two hours twice a week, 5½ weeks; throughout the year, in sections; 22 hours. Drs. Baker, Bischoff, Breese, Kinzell, Kulasavage, Lage, Langley, Duncan Neilson, Nelson, Scales, and Whitely.

Obs 617. **Outpatient Service.** 1½ hours any term.

Delivery of patients in the home and hospital, and attendance upon mother and

child after delivery. Each student required to be in attendance at all deliveries in hospital and home during an assigned period of ten days; prerequisite: Obs 614; 33 hours. Dr. Stearns.

Obs 618. **Postnatal Clinic.** $\frac{1}{2}$ hour, one section each term.

Outpatient Clinic. One hour a week for 5 weeks; 5 hours. Drs. Stearns, Baker, Breese, Lage, Duncan Neilson, and Ronald Neilson.

Obs 619, 620, 621. **General Clinic.** $\frac{1}{2}$ hour each term.

Multnomah Hospital. One hour each week throughout the year; 33 hours. Drs. Nelson, Duncan Neilson, and Seitz.

Obs 622. **Clerkships.** $\frac{1}{2}$ hour, one section each term.

Multnomah Hospital. Two hours a week for $5\frac{1}{2}$ weeks; 11 hours. Dr. Fearl.

ELECTIVE COURSES

Obs 601. **Research.** Any term, hours to be arranged.

Obs 660. **Outpatient Clinic.** Any term, hours to be arranged in accordance with the requirements in the regular Outpatient Clinic course.

(Fourth year.) Elective credit for completion of clinical work in the department in addition to that required in the regular Outpatient Clinic course.

GYNECOLOGY

REQUIRED COURSES

THIRD YEAR

Gyn 611. **Gynecology.** 1 hour winter.

Lectures, demonstrations, and recitations, 2 hours; 22 hours. Dr. Stearns.

Gyn 612. **Gynecology.** 1 hour spring.

Lectures and recitations, 2 hours; 22 hours. Dr. Stearns.

Gyn 613. **Clinical Clerkships.** $1\frac{1}{2}$ hours, one section each term.

Multnomah Hospital. In sections; 33 hours. Dr. Duncan Neilson.

Gynecological Pathology. (See Pth 514.)

FOURTH YEAR

Gyn 614. **Practical Gynecology.** 1 hour, one section each term.

Outpatient Clinic. Four hours a week, $5\frac{1}{2}$ weeks; throughout the year, in sections; 22 hours. Drs. Stearns, Dowsett, Fearl, Frazier, Lage, Langley, Duncan Neilson, Ronald Neilson, and Seitz.

Gyn 615. **Operative Clinic.** $\frac{1}{2}$ hour, one section each term.

Multnomah Hospital. One two-hour ward walk each week for $5\frac{1}{2}$ weeks, throughout the year, in sections; 11 hours. Drs. Stearns and Fearl.

ELECTIVE COURSES

Gyn 601. **Research.** Any term, hours to be arranged.

Gyn 618. **Postoperative and Gynecological Endocrinology.** 1 hour any term.

(Fourth year.) Outpatient Clinic. Attendance at Outpatient Clinic one two-hour period each week; 22 hours. Limited to 14 students. Drs. Stearns, Fearl, Lage, Duncan Neilson, and Ronald Neilson.

Gyn 660. **Outpatient Clinic.** Any term, hours to be arranged in accordance with the requirements in the regular Outpatient Clinic course.

(Fourth year.) Elective credit for completion of clinical work in the department in addition to that required in the regular Outpatient Clinic course.

PEDIATRICS

REQUIRED COURSES

THIRD YEAR

Ped 611, 612, 613. **Anatomy, Physiology, Hygiene of Infancy and Childhood.** ½ hour each term.

Lectures, clinics, and bedside instruction on diseases of the newly born and diseases of nutrition. Practical work in infant feeding. Albertina Kerr Nursery, spring term. Lectures, 22 hours; clinic, 11 hours; 33 hours. Dr. Smith.

Ped 614, 615, 616. **Diseases of Infancy and Childhood.** ½ hour each term.

A comprehensive study of diseases of children. Recitations, lectures, and clinical demonstrations. One amphitheater clinic each week throughout the entire school year, with cases selected from the wards of the Doernbecher Hospital; 33 hours. Drs. Bilderback, Benward, and Bridgeman.

Ped 617. **Clerkships.** 1 hour, one section each term.

Doernbecher Hospital. Throughout the year, in sections; 22 hours. Dr. Benward.

Ped 618. **Physical Diagnosis in Children.** ½ hour, one section each term.

Lectures, clinics, and demonstrations at the Waverly Baby Home and Doernbecher Hospital. One hour a week, throughout the year, in sections; 11 hours. Dr. Bridgeman.

Psychopathology and Symptoms of Various Mental Reaction Types and Behavior Disorders of Children. (See Ps 613, 614.)

FOURTH YEAR

Ped 619. **Outpatient Clinic.** 1½ hours, one section each term.

Five and one-half weeks; 6 hours a week, throughout the year, in sections; 33 hours. Drs. Babson, Benward, Bridgeman, Goodnight, Goss, Larrabee, Mercier, Rector, and Wert.

Ped 622, 623, 624. **Diseases of Infancy and Childhood.** ½ hour each term.

A comprehensive study of diseases of children. Recitations, lectures, and clinical demonstrations. One amphitheater clinic each week throughout the entire school year on cases selected from the wards of the Doernbecher Hospital; 33 hours. Drs. Bilderback, Benward, Lewis, and Margason.

ELECTIVE COURSES

Ped 601. **Research.** Any term, hours to be arranged.

Ped 620. **Infant Feeding Clinic.** ½ hour, one section each term.

Outpatient Clinic; 11 hours. Limited to 10 students. Dr. Benward.

Ped 660. **Outpatient Clinic.** Any term, hours to be arranged in accordance with the requirements in the regular Outpatient Clinic course.

(Fourth year.) Elective credit for completion of clinical work in the department in addition to that required in the regular Outpatient Clinic course.

Demonstration Course in Prepsychotic Cases. (See Ps 618.)

Department of Nursing Education

Faculty

HENRIETTA DOLTZ, M.N., R.N., Professor; Director of Department of Nursing Education.

*MAISIE V. WETZEL, M.S., R.N., F.A.P.H.A., Associate Professor.

ELEANOR E. PALMQUIST, M.A., R.N., Associate Professor; Course Director of Public Health Nursing Program.

JOHANNA R. VREELAND, M.S., R.N., Associate Professor; Course Director of Teaching and Supervision Programs.

MARY A. JACKSON, B.S., R.N., Assistant Professor; Supervisor of Clinical Instruction.

GUHLI J. OLSON, M.S., R.N., Assistant Professor (Nursing Arts).

GERTRUDE PETERSON, M.P.H., R.N., Assistant Professor; Supervisor of Public Health Field Activities.

OLIVE A. SLOCUM, M.A., R.N., Assistant Professor; Coordinator for the Pre-professional Curriculum.

EMMA BREMAN, B.S., R.N., Instructor (Surgical Nursing).

JEANETTE BENEFIELD, B.S., R.N., Instructor (Medical Nursing).

MILDRED BERGHEIM, M.A., Instructor (Medical Social Service).

EVA A. DAVIS, B.S., R.N., Instructor (Public Health Nursing Coordinator).

DOREEN M. ERIKSON, B.S., R.N., Instructor (Tuberculosis Nursing).

PAULINE FISCHER, B.S., R.N., Instructor (Dietetics).

ESTELLE FISHER, B.S., R.N., Instructor (Teaching and Supervision).

CAROLYN GATCHETT, B.S., R.N., Instructor (Pediatric Nursing).

LUCILLE GREGERSON, B.S., R.N., Instructor (Teaching and Supervision).

ROMA M. KITTLESBY, B.S., R.N., Instructor (Medical Nursing).

ELEANOR F. LUTTRELL, B.S., R.N., Instructor (Pediatric Nursing).

ELIZABETH M. MANN, B.S., R.N., Instructor (Nursing Arts).

AGNES E. MCCONNELL, B.S., R.N., Instructor (Obstetrical Nursing).

ALICE SHARP, R.N., Instructor (Operating Room).

LOUISE WASSON, B.S., R.N., Instructor (Surgical Nursing).

MARTHA HIRSCH, Secretary.

Medical-Science Faculty

NORMAN A. DAVID, M.D., Professor of Pharmacology.

WARREN C. HUNTER, M.D., Professor of Pathology.

OLOF LARSELL, Ph.D., Sc.D., Professor of Anatomy.

HOWARD P. LEWIS, M.D., Professor of Medicine.

WILLIAM K. LIVINGSTON, M.D., Kenneth A. J. Mackenzie Professor of Surgery.

HARRY J. SEARS, Ph.D., Professor of Bacteriology.

KENNETH C. SWAN, M.D., Professor of Ophthalmology.

ADOLPH WEINZIRL, M.D., Professor of Public Health and Preventive Medicine.

EDWARD S. WEST, Ph.D., Professor of Biochemistry.

WILLIAM B. YOUMANS, Ph.D., M.D., Professor of Physiology.

CHARLES BRADLEY, M.D., Associate Professor of Psychiatry and Pediatrics.

* On leave of absence 1948-49.

ARTHUR W. FRISCH, Ph.D., M.D., Associate Professor of Bacteriology.
 HANCE F. HANEY, Ph.D., M.D., Associate Professor of Medicine.
 LAWRENCE NOALL, M.D., Associate Clinical Professor of Orthopaedic Surgery.
 JOHN RAAF, M.D., Associate Clinical Professor of Surgery.
 JOHN H. BENWARD, M.D., Assistant Clinical Professor of Pediatrics.
 DAVID D. DEWESE, M.D., Assistant Clinical Professor of Otolaryngology.
 HERMAN S. DICKEL, M.D., Assistant Clinical Professor of Psychiatry.
 ROBERT S. DOW, Ph.D., M.D., Assistant Clinical Professor of Neurology.
 CLIFFORD E. HARDWICK, M.D., Assistant Clinical Professor of Surgery.
 GEORGE B. LONG, M.D., Assistant Clinical Professor of Medicine.
 FRANK PERLMAN, M.D., Assistant Clinical Professor of Medicine.
 JAMES T. SPEROS, M.D., Assistant Clinical Professor of Medicine.
 WILLIAM A. STOTLER, Ph.D., Assistant Professor of Anatomy.
 JOHN T. VAN BRUGGEN, Ph.D., Assistant Professor of Biochemistry.
 LYLE VEAZIE, Ph.D., Assistant Professor of Bacteriology.
 LESTER R. CHAUNCEY, M.D., Clinical Associate in Surgery.
 ROGER HOLCOMB, M.D., Clinical Associate in Medicine.
 JOSEPH M. ROBERTS, M.D., Clinical Associate in Surgery.
 ROBERT H. SWINNEY, M.D., Clinical Associate in Surgery.
 WERNER ZELLER, M.D., Clinical Associate in Surgery.
 INEZ BROWNLEE, M.S., Instructor in Bacteriology.
 CHARLOTTE LOUISE CLANCY, M.D., Clinical Instructor in Obstetrics and Gynecology.
 SHERMAN J. DEUR, M.D., Clinical Instructor in Urology.
 JOHN F. HIGGINSON, M.D., Clinical Instructor in Surgery.
 WALTER C. REINER, M.D., Clinical Instructor in Surgery.
 ARTHUR W. SULLIVAN, M.D., Clinical Instructor in Surgery.
 JOHN E. TUHY, M.D., Clinical Instructor in Surgery.
 JOHN O. BRANFORD, M.D., Resident in Anaesthesiology.
 JAMES A. RILEY, M.D., Resident in Medicine.
 RICHARD WARRINGTON, M.D., Resident in Surgery.
 GEORGE B. YOUNGSTROM, M.D., Resident in Dermatology and Syphilology.
 JONAH LI, M.D., Hematologist.
 ALFRED F. HEWITT, M.S., Student Assistant in Physiology.

Hospitals and Clinics Teaching Staff

Doernbecher Children's Hospital

SHIRLEY M. THOMPSON, M.S., R.N., Assistant Professor; Superintendent.
 AGNES BARRY, B.S., R.N., Assistant Instructor; Head Nurse.
 EVELYN JORDAN BARTON, R.N., Instructor; Night Supervisor.
 WINNIFRED DEWITT, B.S., R.N., Assistant Instructor; Operating Room Supervisor.
 LOIS DOUGLAS, B.S., R.N., Assistant Instructor; Evening Supervisor.
 MARJORIE HENDERSON, B.S., Assistant Instructor; Dietitian.
 JEWEL NEUENFELDT, B.S., R.N., Assistant Instructor; Head Nurse.
 FRANCES NORDQUIST, B.S., R.N., Assistant Instructor; Head Nurse.

Multnomah Hospital

VERDA MITCHELL, B.S., R.N., Assistant Professor; Director of Nurses.
 DOROTHY MCREA, B.S., R.N., Instructor; Supervisor of Aides.
 DORIS B. HARRIS, R.N., Instructor; Evening Supervisor.
 BETTY HAY, R.N., Assistant Instructor; Head Nurse.

EMMA HAMMOND MCWILLIAMS, R.N., Assistant Instructor ; Night Supervisor.
 HONORA COYLE, R.N., Assistant Instructor ; Head Nurse.
 HELEN CRUIKSHANK, B.S., R.N., Assistant Instructor ; Head Nurse.
 LUELLA LUDEMAN, R.N., Assistant Instructor ; Head Nurse.
 CLARA MCPHERSON, R.N., Assistant Instructor ; Head Nurse.
 DOROTHY ROBLEE, R.N., Assistant Instructor ; Head Nurse.
 RUTH STUCKER, R.N., Assistant Instructor ; Head Nurse.

General Outpatient Clinic

JOHANNA EGGERS, M.A., R.N., Associate Professor (Obstetrics).
 MARIAN W. PARSELL, R.N., Instructor ; Director of Nursing Service.

Tuberculosis Hospital

JUANITA MURR, B.S., R.N., Assistant Professor ; Superintendent.
 BETTY BODEKER, B.S., R.N., Assistant Instructor ; Evening Supervisor.
 ERMA L. KLENK, R.N., Assistant Instructor ; Head Nurse.
 ALICE MCCOY MADDOCK, B.S., R.N., Assistant Instructor ; Operating Room Supervisor.
 ETHEA MORRIS, B.S., R.N., Assistant Instructor ; Head Nurse.

Special Instructors and Lecturers

AILEEN DYER, M.P.H., R.N., F.A.P.H.A., Director, Section of Public Health Nursing, Oregon State Board of Health.
 GORDON EDWARDS, M.D., M.P.H., County Health Units Administration Division, Oregon State Board of Health.
 HAROLD M. ERICKSON, M.D., M.P.H., State Health Officer, Oregon State Board of Health.
 HELEN FISHER, R.N., Director of School Nursing, School Hygiene Division, Portland City Bureau of Health.
 HYLAH FRALEY, B.A., Medical Social Consultant, Crippled Children's Division.
 JANE GAVIN, M.A., R.N., Consultant in Public Health Nursing, Oregon State Board of Health.
 ELIZABETH MARTIN, M.A., R.N., Director, Portland Visiting Nurse Association.
 ALFRED MASTEN, M.D., M.P.H., Director, Tuberculosis Control Section, Oregon State Board of Health.
 ISABEL MASTEN, Ph.D., Lecturer in Mental Hygiene.
 CORINNE PENNINGTON, B.S., R.N., Supervising Nurse, Washington County Health Department.
 NORMA QUEEN, M.A., Lecturer in Community Organization.
 JULIA SHELDON, B.S., R.N., Supervisor of Nursing Service, Multnomah County Health Department.
 JOY STUART THOMPSON, M.A., R.N., Lecturer in Physical and Emotional Growth.
 HELEN TIBBETTS, M.A., Director, Division of Vital Statistics Section, Oregon State Board of Health.
 MAURICE VEST, M.D., Director, Maternal and Child Health Division, Oregon State Board of Health.
 CATHERINE WEBSTER, R.N., Industrial Nurse Consultant, Oregon State Board of Health.
 BERNICE YEARY, B.S., R.N., Supervising Nurse, Marion County Health Department.

Nurses' Residences

CLARA LEVEQUE, Residence Supervisor.
 GENEVIEVE MACNIDER, Residence Supervisor.
 NORA PALMER, Residence Supervisor.
 HARRIET STALEY, Residence Supervisor.
 LILLIAN WATTS, Residence Supervisor.

Executive Faculty

HENRIETTA DOLTZ (chairman), JEANETTE BENEFIEL, MARY JACKSON, VERDA MITCHELL, JUANITA MURR, ELEANOR PALMQUIST, OLIVE SLOCUM, SHIRLEY THOMPSON, JOHANNA VREELAND.

Advisory Committee

HENRIETTA DOLTZ (chairman), JEANETTE BENEFIEL, CHARLES HOLMAN, MARY JACKSON, VERDA MITCHELL, JUANITA MURR, ELEANOR PALMQUIST, OLIVE SLOCUM, SHIRLEY THOMPSON, JOHANNA VREELAND, EDWARD WEST, WILLIAM ZIMMERMAN.

Committees

Admissions Committee—OLIVE SLOCUM (chairman), HENRIETTA DOLTZ, CHARLES HOLMAN, MARY JACKSON, VERDA MITCHELL, ELEANOR PALMQUIST, CAROLINE POMMARANE, JOHANNA VREELAND, ADOLPH WEINZIRL.

Curriculum and Schedule Committee—HENRIETTA DOLTZ (chairman), EVA DAVIS, ESTELLE FISHER, MARY JACKSON, VERDA MITCHELL, JUANITA MURR, ELEANOR PALMQUIST, GERTRUDE PETERSON, CAROLINE POMMARANE, SHIRLEY THOMPSON, JOHANNA VREELAND. Liaison members: CHARLES HOLMAN, OLOF LARSELL, HARRY SEARS, EDWARD WEST.

Committee on Instruction in Clinical Nursing—MARY JACKSON (chairman), PAULINE FISCHER, Instructors in Nursing Arts, Teaching Supervisors from Multnomah Hospital, Doernbecher Hospital, Tuberculosis Hospital, and Out-patient Clinic.

Executive Committee, Public Health Nursing Advisory Council—JENNIE JACKSON (chairman), LILLIAN BIEHNER, AILEEN DYER, ELEANOR PALMQUIST, GERTRUDE PETERSON, SOY THOMPSON, NOVA YOUNG.

Student Health Committee—EVA DAVIS (chairman), RUBY GOFF, CHARLES HOLMAN.

Scholarship Committee—MARY JACKSON (chairman), EMMA BEEMAN, ESTELLE FISHER, ROMA KITTLESBY, AGNES McCONNELL, DOROTHY McREA, GUHLI OLSON, ALICE SHARF, SHIRLEY THOMPSON.

Committee on Integration of Social and Health Aspects in the Basic and Graduate Curricula—EVA DAVIS (chairman).

Committee for the Study of a Counseling and Guidance Program—JEANETTE BENEFIEL (chairman), EVA DAVIS, MARY JACKSON, ROMA KITTLESBY, DOROTHY McREA, GUHLI OLSON, ALICE SHARF, LOUISE WASSON.

Library Committee—GERTRUDE PETERSON (chairman), BERTHA HALLAM, JOHANNA VREELAND.

Uniform Committee—GUHLI OLSON (chairman), EMMA BEEMAN, JEANETTE BENEFIEL, LOUISE WASSON, student representative.

Social Committee—EVA DAVIS (chairman).

Faculty Representatives on Student Council—DOROTHY McREA, GUHLI OLSON.

General Information

THE Department of Nursing Education at the University of Oregon Medical School is organized on a collegiate basis. The undergraduate degree curriculum is designed to prepare young women for service as professional nurses in the skillful care of the sick and in the promotion of community health. The advanced professional curricula are designed to prepare graduate nurses for specialized service in the fields of public health nursing, supervision, and teaching in schools of nursing.

The Department of Nursing Education is accredited by the Oregon State Board for Examination and Registration of Nurses, the Association of Collegiate Schools of Nursing, and the National Organization for Public Health Nursing.

HISTORY

The University of Oregon introduced professional courses in nursing for the first time in the summer session of 1919. The courses were offered in Portland in cooperation with the Northwest Division of the American Red Cross Home Service Department, the Portland Visiting Nurse Association, the Welfare Bureau, and the Oregon Tuberculosis Association.

A standard course of study in public health nursing was established in the fall of 1920 as a part of the program of the Portland division of the newly organized School of Sociology; this division was known as the Portland School of Social Work.

In 1926 the University introduced a five-year curriculum in nursing leading to a bachelor's degree. The first two years of the curriculum were offered on the Eugene campus; this preparatory training was followed by two years of work in a hospital school of nursing in Portland, and a fifth year of specialized training in such nursing specialties as public health nursing, hospital administration, etc. Work in the hospital school was supplemented by professional courses in the Portland School of Social Work.

A three-year certificate program was added in 1928, for high-school graduates enrolled in accredited hospital schools of nursing in Portland. The hospital training was supplemented by basic courses of collegiate grade offered through the cooperation of the Portland School of Social Work, the Portland Extension Center of the University, and the University of Oregon Medical School. The program led to the Junior Certificate from the University. The certificate program was discontinued in 1939.

When, as a part of the reorganization of the Oregon State System of Higher Education in 1932, the Portland School of Social Work was discontinued, the program in nursing was transferred to the Medical School and organized as the Department of Nursing Education. Two-year preparatory curricula for the basic degree curriculum were established both at the University at Eugene and the State College at Corvallis. Until 1936 degree students received their clinical training in Portland hospital schools approved by the department; in that year the professional program was centered in the hospitals and clinics of the University of Oregon Medical School.

In 1943, as war measures, a diploma curriculum to which high-school graduates were admitted was established, and the degree curriculum was accelerated for completion in four years, including four terms of preparatory work. Both programs were approved by the U. S. Public Health Service, and students became members of the U. S. Cadet Nurse Corps. In 1945 the preprofessional curriculum was increased to a minimum of five terms.

BUILDINGS

Most of the undergraduate and graduate nursing classes are held in the Medical Science Building, Mackenzie Hall, and the Medical School Library. Clinical facilities include the Doernbecher Memorial Hospital for Children, Multnomah Hospital, University State Tuberculosis Hospital, and the Outpatient Clinic.

LIBRARY

The library of the Department of Nursing Education is a part of the University of Oregon Medical School Library. The librarian gives each entering class an introductory lecture on its facilities.

STUDENT HOUSING

Three residences are provided for students enrolled in the Department of Nursing Education. A residence at 840 S. W. Gaines Road has a limited number of rooms available for students in advanced professional curricula, at the rate of \$20.00 a month for a double room and \$25.00 a month for a single room.

SCHOLARSHIPS, LOANS, AND PRIZES

The Oregon State Board of Higher Education awards, annually, a limited number of scholarships to students in the institutions of the State System who rank high in scholastic attainment and who need financial assistance. These scholarships cover tuition, laboratory, and course fees. Recipients must pay the building fee, evaluation fee, and special fees. Application should be made to the registrar of the institution where the student is taking the preprofessional curriculum or, if the student is enrolled in the professional curriculum, to the director of the Department of Nursing Education.

Scholarships are also made available through the Oregon Federation of Women's Clubs, the "40 and 8" of the American Legion, the Daughters of the American Revolution, the Women of the Moose, the Oregon Mothers of the University of Oregon, the Portland Mothers of Oregon State College, and other groups.

The Alumni Association awards prizes of \$15.00, \$10.00, and \$5.00 to three senior students achieving the highest scholastic standing. Awards are made by a joint committee representing the alumnae and administration of the Department of Nursing Education.

A loan fund bequeathed by the late Mrs. Fannie Frank is available to graduate nurses enrolled in the public health nursing curriculum. Applications should be made to the director of the Department of Nursing Education.

Graduate nurses may also qualify for scholarships and loans from the national nursing organizations.

The Oregon State Nurses' Association and the Oregon State Organization for Public Health Nursing have loan funds available for graduate nurses. Application should be made at the State Nurses' headquarters.

A limited amount of money is available, under a provision of the Social Security Act, for the financial assistance of graduate nurses enrolled for advanced study in the field of public health nursing, in preparation for work in this field in the state of Oregon. Application should be made to the director of the Public Health Nursing Division of the Oregon State Board of Health.

The W. K. Kellogg Foundation Loan Fund is available to students who need financial assistance for the study of nursing. Loans are made upon the recommendation of the director of the Department of Nursing Education. The maximum loan is \$300 in any one year.

HEALTH PROGRAM

Before admission to any of the nursing curricula, students are required to have health examinations, including a tuberculin test, by their family physicians. Immunization against smallpox, diphtheria, and typhoid fever and the completion of all necessary dental work are also required before admission. All students in the basic curriculum receive an annual routine physical examination, including an orthopaedic examination and an X-ray of the chest. Students with negative tuberculin reactions are retested every six months; those with positive reactions are given chest X-rays twice a year.

A daily health clinic is held. In case of illness, students in the basic curriculum may be hospitalized for a limited period without charge. Students are allowed fourteen days of absence for illness during the professional training period without being required to make up the time lost. Sick leave is computed on the basis of time allotted in each clinical area.

Students in the advanced curricula are eligible for benefits under the student health service program of the Medical School.

GRADING SYSTEM

The grading system consists of four passing grades, *A*, *B*, *C*, and *D*; failure, *F*; incomplete, *Inc*; withdrawn, *W*. *A* denotes exceptional accomplishment; *B*, superior; *C*, average; *D*, inferior. 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. If an *Inc* is not removed within a year, it automatically becomes an *F*. A student may withdraw from a course only with the approval of the department. A student who discontinues attendance without official withdrawal receives a grade of *F* in the course.

SCHOLARSHIP REQUIREMENTS

Students in the Department of Nursing Education are required to maintain a grade average of *C* or better throughout the curriculum. Students receiving a grade average below *C* in any term will be placed on probation for the following term. Students receiving a grade average below *C* for two successive terms will be disqualified for further work in the department. Students receiving a grade of *F* in any course must repeat the course; but a student will be permitted to repeat a course only if her grade average is *C* or above.

The faculty of the department reserves the right to request the withdrawal of students who, in the judgment of the faculty, are unsuited for the nursing profession—or, in the case of the advanced professional curricula, lack the requisite aptitude for work in their special field.

FEES AND DEPOSITS

Preprofessional Curriculum (5 terms)

(For students at University of Oregon and Oregon State College)

Tuition, per term	\$10.00
Laboratory and course fee, per term	12.00
Incidental fee, per term	15.50
Building fee, per term	5.00
Nonresident fee, per term (in addition to fee for resident students)	50.00

Basic Degree Curriculum

(For students at the Medical School)

Tuition, per term	\$20.00
Laboratory and course fee, per term	10.00
Building fee, per term	5.00
Nonresident fee, per term (in addition to fees for resident students)	20.00

Basic Diploma Curriculum
(For students at the Medical School)

Tuition, per term	\$ 5.00
Laboratory and course fee, per term	10.00
Building fee, per term	5.00

Graduate Nurse Programs

Tuition, per term	\$20.00
Laboratory and course fee, per term	10.00
Building fee, per term	5.00
¹ Incidental fee	4.50
Nonresident fee, per term (in addition to fees for resident students)	20.00
Field experience fee for students in public health nursing	25.00

Part-Time Students and Auditors

Tuition and laboratory fee for students taking 6 term hours or less, per term hour (minimum \$10.00)	\$ 4.00
Auditors:	
Lecture courses, per term hour	2.00
Laboratory courses, per term hour	4.00

Special Fees and Penalties

Breakage deposit (for students in basic curricula during first year only)	\$ 5.00
² Evaluation fee (not refundable)	5.00
Degree or certificate fee	6.50
Transcript fee (one furnished without charge)	1.00
³ Late-registration fee	1.00 to 5.00
⁴ Penalty for late payment of tuition fees, per day	25 cents

Special Expenses

(For basic students only)

Room rent for first quarter	\$60.00
Uniforms and cape (shoes not included)	74.40
Books	50.00
Incidental expenses, including student-body dues, name tapes, bandage, scissors, pin, etc. 40.00	40.00

The approximate total expense for the entire basic degree curriculum at the Medical School for a student who is an Oregon resident is \$600.00; for a nonresident student the total is approximately \$800.00.

The approximate total expense for the entire basic diploma curriculum at the Medical School for a student who is an Oregon resident is \$400.00.

The student receives pay totaling \$240.00 during her clinical experience, which may be applied toward her tuition.

¹ The incidental fee is for student health service.

² Evaluation fee is charged for the evaluation of transcripts submitted with the application for admission.

³ Students registering after the scheduled registration day of any term pay a fee of \$1.00 for the first day and \$1.00 for each additional day until the maximum charge of \$5.00 is reached.

⁴ Registration is cancelled after one week, after which a \$2.00 fee is required for reinstatement.

Basic Curricula in Nursing Education

THE Department of Nursing Education offers a four-year curriculum leading to the degree of Bachelor of Science, and a three-year curriculum leading to a diploma. Both curricula prepare the student for state examinations for nurse registration.

Degree Curriculum. The student in the four-year degree curriculum takes the first five terms of her work at the University of Oregon in Eugene, at Oregon State College in Corvallis, or at another accredited college or university. This work is followed by eleven terms in the Department of Nursing Education on the campus of the University of Oregon Medical School in Portland. The work in Portland is coordinated with clinical education in the University of Oregon Medical School hospitals and clinics.

Students in nursing receive their degrees from the University of Oregon, with the exception that students who take the first five terms at Oregon State College receive their degrees from the latter institution.

A student seeking admission to the professional curriculum should: (1) send to the Department of Nursing Education an official transcript of her college record, with a \$5.00 evaluation fee; (2) file an application (together with report of pre-entrance physical and dental examinations) on forms provided by the department, at least three months before the date of admission; (3) take the nursing-aptitude test given by the National League of Nursing Education, unless excused by the Committee on Admissions. The Committee on Admissions selects students on the basis of scholarship and personal qualifications for the nursing profession.

A limited number of transfer students may be accepted upon the recommendation of the Committee on Admissions. Approval of transfer must also be obtained from the Oregon State Board for Examination and Registration of Nurses. A three-month period of orientation in clinical experience is required in the hospitals and clinics. No time allowance or academic credit is given for this orientation period.

Diploma Curriculum. As a war emergency measure, the Department of Nursing Education instituted a three-year curriculum in nursing leading to a diploma as a graduate nurse. It is not anticipated that this curriculum will be maintained as a permanent part of the program of the Department of Nursing Education. The class work is in no way related to the degree curriculum until the student begins her clinical experience in the specialties in the hospital units of the University of Oregon Medical School. Students in this curriculum may earn 45 term hours of credit toward a Bachelor of Science degree with a major in nursing education.

A student seeking admission to the diploma curriculum must: (1) be 18 years of age; (2) be a high-school graduate and rank in scholarship in the upper third of her graduating class; (3) send to the Department of Nursing Education an official transcript of her high-school record with a \$5.00 evaluation fee; (4) file an application (together with report of pre-entrance physical and dental examinations) on forms provided by the department, at least three months before the admission date; (5) take the nursing-aptitude test given by the National League of Nursing Education, unless excused by the Committee on Admissions. The Committee on admissions selects students on the basis of scholarship and personal qualifications for the nursing profession. Preference is given to applicants who have had chemistry and mathematics in high school.

BASIC DEGREE CURRICULUM

First Year

Any accredited university or college

	Term hours		
	Fall	Winter	Spring
Elementary Chemistry	4	4	4
English Composition	3	3	3
English Literature	3	3	3
Backgrounds of Nursing	1	1	1
Physical Education	1	1	1
Electives	4	4	4
	16	16	16

Second Year

First two terms at any accredited university or college; last two terms at the Medical School

	Term hours			
	Fall	Winter	Spring	Summer
Zoology	4	4	.....	.....
Sociology	3	3	.....	.....
Psychology	3	3	.....	.....
Nutrition	3	.....	.....	.....
Physical Education	1	1	.....	.....
Electives	3	3	.....	.....
Elementary Nursing Arts (Nur 210, 211) .....	.....	.....	1	8
Elementary Pharmacology (Phc 213) .....	.....	.....	2	.....
Anatomy (An 311) .....	.....	.....	4	.....
Bacteriology (Bac 230) .....	.....	.....	5	.....
Organic and Biochemistry (Ch 255) .....	.....	.....	5	.....
Professional Adjustments (Nur 130) .....	.....	.....	.....	1
Physiology (Phys 312) .....	.....	.....	.....	4
Pharmacology (Phc 329, 330) .....	.....	.....	.....	3
	17	17	17	16

***Third Year**

Medical School

Clerkship (Nursing-Care Studies) (Nur 313)	2	.....	.....	.....
Lectures and Nursing in Medical Diseases (Nur 314, 315)	2	2	.....	.....
Lectures and Nursing in Surgical Diseases (Nur 316, 317)	2	2	.....	.....
Lectures and Nursing in Surgical Specialties (Nur 318, 319)	3	2	.....	.....
Clinics and Clinical Practice in Medical and Surgical Diseases (Nur 351, 352)	4	6	.....	.....
Diet in Disease (Nur 369)	2	.....	.....	.....
Electives	3	.....	.....	.....
Pathology (Pth 314) .....	.....	2	.....	.....
Operating-Room Technique (Nur 344) .....	.....	1	.....	.....
Public Health and Communicable Diseases (Nur 335) .....	.....	.....	.....	3
Clinical Practice in Diet Kitchen (Nur 368) .....	.....	.....	.....	3
Clinics and Clinical Practice in Operating-Room Technique (Nur 343) .....	.....	.....	.....	4
Introduction to Methods in Public Health Nursing (Nur 443) .....	.....	.....	.....	3
	18	15	.....	13

Fourth Year

Obstetrical Nursing (Nur 412)	4	.....	.....	.....
Clinics and Clinical Practice in Obstetrical Nursing (Nur 442)	6	.....	.....	.....
Psychiatric Nursing (Nur 413) .....	.....	4	.....	.....
Clinics and Clinical Practice in Psychiatry (Nur 332) .....	.....	6	.....	.....
Pediatric Nursing (Nur 415) .....	.....	.....	4	.....
Clinics and Clinical Practice in Pediatric Nursing (Nur 441) .....	.....	.....	6	.....
Tuberculosis Nursing (Nur 336) .....	.....	.....	.....	3
Clinics and Clinical Practice in Tuberculosis Nursing (Nur 350) .....	.....	.....	.....	3
Clinics and Clinical Practice in Medical and Surgical Diseases (Nur 353) .....	.....	.....	.....	6
	10	10	10	12

* A student takes a portion of her total vacation allowance during the spring term of her third year.

Final Term	Term hours			
	Fall	Winter	Spring	Summer
Seminar in Nursing (Nur 407).....	2	....	....	....
Survey of Field and Related Professional Problems (Nur 414).....	3	....	....	....
Emergency Nursing (Nur 460).....	2	....	....	....
Clinical Practice in Community Nursing (Nur 349)	3	....	....	....
	10	....	....	....

PRECLINICAL AND CLINICAL EXPERIENCE

In the basic nursing curricula, preclinical and clinical experience at the Medical School is divided by fields as follows:

	Basic degree curriculum (weeks)	Basic diploma curriculum (weeks)
Preclinical	24	24
Medicine	20	28
Surgery	24	28
Diet kitchen	6	6
Operating room	8	8
Psychiatry	13	13
Obstetrics	13	13
Pediatrics	13	13
Tuberculosis	6	6
Community nursing	6	6
Vacation	8	9
Illness allowance	2	2

The student's time per week is divided between class work and clinical experience approximately as follows:

	Class work (hours)	Clinical experience (hours)
First Year:		
First term	31	
Second term	20	18
Third term	15	29
Fourth term	12	32
Second Year:		
First term .....	....	44
Second term	5	39
Third term	5	39
Fourth term	6	38
Third Year:		
First term	6	38
Second term	8	36
Third term	6	38

Every student has one full day each week off duty and one full day off for all holidays.

Clinical experience begins in the second term at the Medical School. The teaching units in which clinical experience is received are as follows:

Multnomah Hospital, a general 275-bed hospital for adults and a teaching unit for both medical students and students in nursing. In this unit, students receive experience in medical nursing, surgical nursing, operating-room technique, diet kitchen, and obstetrics. Affiliate hospitals are used for additional obstetrical experience.

Doernbecher Memorial Hospital, a 63-bed hospital for children. The students receive three months' experience in the care of acutely ill children in this unit.

The University State Tuberculosis Hospital, devoted to the care of patients with tuberculosis. The unit has an 80-bed capacity and a large outpatient department which provides both medical and surgical facilities for teaching. Students receive six weeks' experience in this unit.

The Outpatient Clinic, affording teaching facilities in all branches of medicine. Students receive six weeks' experience in this unit, with field trips to various community health and social agencies.

Advanced Professional Curricula

THE Department of Nursing Education offers advanced professional curricula for graduate nurses in the following special fields: public health nursing, ward administration, teaching and supervision, and teaching nursing arts. The curricula are open to graduates of accredited schools of nursing. Credits earned may be applied toward a baccalaureate degree from the University of Oregon or Oregon State College.

In special cases, variations in the curricula listed below may be allowed, with the approval of the director of the Department of Nursing Education and the dean of the Medical School.

Only the professional courses are offered on the Medical School campus. Non-professional courses may be taken at any accredited college or university.

An opportunity is provided for students who have not had tuberculosis nursing to receive six weeks of theory and supervised clinical experience in the field at the University State Tuberculosis Hospital. Credit for this work (3 term hours) may be counted as elective credit in any of the several advanced curricula.

Admission Requirements. Students are admitted at the beginning of the fall and spring terms of each year. Completion of a well-rounded basic curriculum in nursing is a prerequisite to all programs. A maximum of 45 term hours of credit for work in this basic curriculum may be applied toward the Bachelor of Science degree.

Applicants must have completed 3 term hours of work in each of the following fields before admission to the professional curricula: English composition, general psychology, and general sociology. Special students who have not completed these courses may, however, be admitted to professional courses with the consent of the course director.

Students seeking admission to the advanced curricula should: (1) file an application (together with a record of physical examination) on forms provided by the Department of Nursing Education, and (2) send to the Department official transcripts of high-school, college, and school-of-nursing records, with a \$5.00 evaluation fee. The Committee on Admissions selects students on the basis of scholarship and personal qualifications for the nursing profession.

All students take the National League of Nursing Education information test, which is given during registration week of the fall and spring terms. Cost of this test is \$4.00. The test must be taken before the student has completed 15 term hours on the Medical School campus.

Degree Requirements. To qualify for a Bachelor of Science degree with a major in nursing education, a student must complete a total of 186 term hours of college work. In addition to professional studies on the Medical School campus, the student's program must include 82 term hours of work in the liberal arts.

The following courses are required: English composition, 9 hours; general psychology, 6 hours; general sociology, 9 hours; zoology or chemistry, 9-12 hours. Recommended liberal-arts courses are: history, economics, literature, public speaking and anthropology. For detailed information see the University of Oregon Catalog.

CURRICULUM IN PUBLIC HEALTH NURSING

The curriculum in public health nursing is planned to prepare graduate professional nurses for first-level positions in this field. It is one of the programs approved by the National Organization for Public Health Nursing. The program satisfies

major requirements for a Bachelor of Science degree. With the prerequisites it also constitutes the approved program of study in public health nursing specified for employment under merit systems.

A maximum of 12 term hours of credit for professional training in public health nursing taken in another school may be transferred: (1) if evidence is presented that courses for which credit has been earned satisfy specific course requirements in the curriculum in public health nursing of the Department of Nursing Education and will fit into this curriculum as an integral part; and (2) if the courses for which credit has been earned have been completed within a period of three years, and the student has been engaged, in the meantime, in work in the field of public health nursing which has kept her informed concerning developments in the field.

It is highly desirable that the entire professional curriculum be completed without interruption. If the work is not completed within a three-year period, an application for readmission must be submitted, and the student must satisfy all course requirements in effect at the time of readmission.

Four months of field experience are included in the public health curriculum. The specific character of the field experience is determined in the light of the student's individual background and needs. Field experience is planned in cooperation with the Oregon State Board of Health, the Portland City Bureau of Health, the Visiting Nurse Association, and county boards of health.

The student must furnish her uniforms during the four-month field period. Field experience will be more valuable for the student if she has the use of an automobile.

	Term hours
Introduction to Case-Work Methods (Nur 416)	3
Nutrition for Public Health Nurses (Nur 444)	3
Mental Hygiene Aspects of Public Health Nursing (Nur 445)	3
Introduction to Public Health Nursing (Nur 461)	4
Organization and Administration of Public Health (Nur 462)	3
Introduction to Public Health Nursing Supervision (Nur 463)	3
Field Work, Interviewing, and Work with Agencies (Nur 464)	5
Methods of Teaching Health (Nur 465, 466)	6
Field Work in Public Health Nursing (Nur 468, 469)	10
Systems in Public Health Nursing (Nur 470)	6
Physical and Emotional Growth (Nur 482)	3
Advanced Public Health (Nur 490)	3
Electives	12
	64

CURRICULA IN WARD ADMINISTRATION, SUPERVISION, AND TEACHING

The primary aim of these curricula is the preparation of graduate nurses for positions of responsibility in administration, supervision, and teaching. The three programs have a common core of courses, dealing with the principles and philosophy of nursing education. The special activities and problems of each field are dealt with in a differentiated group of courses, including supervised field practice. The student selects the particular medical field in which she wishes to work. The common core of courses included in the three curricula includes:

	Term hours
*General Psychology	6
*General Sociology	5
Introduction to Case-Work Methods (Nur 416)	3
*Educational Psychology; or Mental Hygiene Aspects of Public Health Nursing (Nur 445)	3
Technique in Ward Administration (Nur 450)	3
Principles of Teaching (Nur 451)	3
Principles of Supervision (Nur 452)	3
Introduction to Public Health Nursing (Nur 461)	4
Electives	5
	35

* To be taken at Portland Extension Center.

Ward Administration. The curriculum in ward administration is designed to prepare the nurse for the position of head nurse. The required total of 48 term hours includes 35 term hours of common-core courses and 13 term hours in the special field of choice.

	Term hours
Requirements for Pediatric Nursing :	
Common core	35
Clinical Pediatric Nursing (Nur 476)	6
Advanced Pediatrics for Nurses (Nur 480, 481)	4
Physical and Emotional Growth (Nur 482)	3
	48
Requirements for Medical Nursing :	
Common core	35
Advanced Principles in Medical and Surgical Nursing (Nur 420, 421)	4
Field Work in Nursing Supervision (Nur 447)	6
Pharmacology (Phc 329, 330) or electives	3
	48
Requirements for Surgical Nursing :	
Common core	35
Advanced Principles in Medical and Surgical Nursing (Nur 420, 421)	4
Field Work in Nursing Supervision (Nur 447)	6
Electives	3
	48

Teaching and Supervision. The curriculum in teaching and supervision is designed to assist in the preparation of the nurse for the position of clinical instructor and supervisor in the field of her choice. The required total of 60 term hours is made up of 35 term hours of common-core courses and 25 term hours in the special field.

For admission applicants must present evidence of at least one year's experience as a graduate nurse, preferably as a head nurse or assistant instructor.

	Term hours
Requirements for Pediatric Nursing :	
Common core	35
Curriculum Construction in Schools of Nursing (Nur 458)	3
Clinical Pediatric Nursing (Nur 476, 477)	12
Advanced Pediatrics for Nurses (Nur 480, 481)	4
Physical and Emotional Growth (Nur 482)	3
Electives	3
	60
Requirements for Medical Nursing :	
Common core	35
Advanced Principles in Medical and Surgical Nursing (Nur 420, 421)	4
Field Work in Nursing Supervision (Nur 447, 448)	12
Curriculum Construction in Schools of Nursing (Nur 458)	3
Advanced Public Health (Nur 490)	3
Electives	6
	60
Requirements for Surgical Nursing :	
Common core	35
Advanced Principles in Medical and Surgical Nursing (Nur 420, 421)	4
Field Work in Nursing Supervision (Nur 447, 448)	12
Curriculum Construction in Schools of Nursing (Nur 458)	3
Electives	6
	60

Teaching Nursing Arts. The curriculum in teaching nursing arts is designed to assist in the preparation of the nurse for the position of instructor in nursing arts. For admission, applicants must present evidence of at least one year's experience as a graduate nurse, preferably as a head nurse or assistant to an instructor in nurs-

ing arts. In case of special students, this experience may run parallel with professional courses.

	Term hours
Common core	35
Teaching Nursing Arts (Nur 433)	3
Field Work in Teaching Nursing Arts (Nur 434)	6
Curriculum Construction in Schools of Nursing (Nur 458)	3
Electives (to include basic sciences, if necessary)	13
	60

Course-Numbering System

THE uniform course-numbering system of the Oregon State System of Higher Education, as it applies to the courses of the Department of Nursing Education, is as follows:

- 1- 99. Courses in the first two years of a 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. Other courses offered at first-year level.
- 211-299. Other courses offered at second-year level.
- 300-399. Upper-division courses.
- 400-499. Upper-division courses primarily for seniors.
- 500-599. Courses primarily for graduate students, but to which seniors of superior scholastic achievement may be admitted on approval of instructor and department head concerned.

Certain number 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.	305, 405, 505. Reading and Conference.
303, 403, 503. Thesis.	307, 407, 507. Seminar.

Basic-Science Courses

***Phc 213. Elementary Pharmacology.** 2 hours fall or spring.

Designed to teach the tables, arithmetic, and methods used in the computation of dosages, to provide practice in the preparation of solutions commonly used by the nurse, and to familiarize the student with the drugs commonly used as antiseptics and disinfectants. Lectures, 1 hour; laboratory, 2 hours; 33 hours. Miss Mann.

***Bac 230. Bacteriology.** 5 hours fall or spring.

A study of the general characteristics of bacteria and other organisms that cause disease, their behavior as disease agents, and the factors involved in resistance to infection. The application of these studies to the diagnosis, prevention, and treatment of infectious diseases. Lectures, 4 hours; laboratory, 4 hours; 88 hours. Dr. Sears and assistants.

***Ch 255. Organic and Biochemistry.** 5 hours spring or fall.

Designed to provide the essential knowledge of organic and biochemistry required as background for an adequate understanding and appreciation of the nurse's work in physiology, pharmacology, and other professional subjects. Various major classes of organic compounds, with particular emphasis upon

* Credit earned in this course may be applied toward fulfilling degree requirements in science.

substances of medical importance. Biochemistry of digestion and absorption, blood and metabolism. Lectures, 3 hours; laboratory, 6 hours; 99 hours. Dr. West and assistants.

***An 311. Anatomy.** 4 hours fall or spring.

A course in human anatomy adapted to the requirements of nurses. Lectures, 2 hours; recitations, 1 hour; laboratory, 3 hours; 66 hours. Dr. Larsell and assistant.

***Phy 312. Physiology.** 4 hours summer or winter.

Study of the physiology of the cell, skeleton, muscle, heart and circulation, respiration, digestion, metabolism, temperature regulation, excretion, endocrine glands, reproduction, nervous system, and the special senses. Laboratory exercises are correlated with lecture material. Lectures, 3 hours; laboratory, 8 hours; 66 hours. Dr. Youmans and assistants.

Pth 314. Pathology. 2 hours summer or winter.

A general course for nurses. Lectures, demonstrations, and quizzes concerning the fundamental pathology of the common diseases. Lectures and demonstrations, 2 hours; 22 hours. Dr. Hunter.

Professional Nursing Courses

Nur 130. Professional Adjustments. 1 hour summer or winter.

This course is planned to orient the student to the nursing profession. It emphasizes her ethical responsibility to the patient, to other professional groups, and to the student group; conventions (etiquette); costs of hospital supplies and equipment; etc. Lectures, 1 hour; 11 hours. Miss Jackson.

Nur 210. Elementary Nursing Arts. 1 hour fall or spring.

Designed as an introduction to Nur 211. Includes lectures, demonstrations, and classroom practice in elementary nursing procedures. Lectures, 1 hour; demonstrations and practice, 2 hours. Miss Olson and Miss Mann.

Nur 211. Elementary Nursing Arts. 8 hours summer or winter.

Designed to give a clear understanding of the fundamental principles which underlie all good nursing, to develop habits of observation, system, and manual dexterity, and to establish a fine technique in nursing. Lectures, 3 hours; laboratory, 6 hours; supervised ward practice, 18 hours. Miss Olson and Miss Mann.

†Nur 313. Clerkship (Nursing-Care Studies). 2 hours fall or spring.

Study of the principles underlying nursing care; application of the methods used and found effective in other fields to the development and use of nursing case histories. Lectures, 2 hours; 22 hours. Miss Benefiel and Mrs. Berghem.

Nur 314, 315. Lectures and Nursing in Medical Diseases. 2 hours each term, fall or spring, winter or summer.

Designed to give the student a practical understanding of the causes, symptoms, prevention, and treatment of medical diseases, so that she may be prepared to give skilled assistance to the physician in the care of the patient; and to develop skill in reporting symptoms of disease and the effect of treatments. Lectures, 1 hour; nursing class, 1 hour; 22 hours. Miss Kittlesby and Miss Benefiel.

* Credit earned in this course may be applied toward fulfilling degree requirements in science.

† Credit earned in this course may be applied toward fulfilling degree requirements in social science.

Nur 316, 317. Lectures and Nursing in Surgical Diseases. 2 hours each term, fall or spring, winter or summer.

The purpose of this course is to give the student a practical understanding of the causes, symptoms, prevention, and treatment of surgical diseases, so that she may be prepared to give skilled assistance to the physician in the care of the patient; and to develop skill in reporting symptoms of disease and the effect of treatments. Lectures, 1 hour; nursing class, 1 hour; 22 hours. Mrs. Beeman and Miss Wasson.

Nur 318, 319. Lectures and Nursing in Surgical Specialties. 3 hours spring or fall; 2 hours summer or winter.

Designed to give the student an understanding of the causes, symptoms, prevention, and treatment of the diseases classed as surgical specialties, in order that she may give better nursing care to patients. Lectures, 2 hours; nursing class, 1 hour; 33 hours. Drs. Deur, DeWeese, Noall, and McCallum, Mrs. Beeman and Miss Wasson.

***Nur 327. Nutrition.** 2 hours any term.

This course is arranged to give the student a knowledge of the nutritive value of foods, their chemical combination, and their use for different age groups in health and in disease. Lectures, 2 hours; laboratory, 2 hours; 44 hours. Miss Fisher.

***Phc 329. Pharmacology.** 2 hours summer or winter.

Systematic study of important drugs: mode of administration, pharmacologic action, therapeutic use, idiosyncrasies, preparations, synonyms, and dosages. Reporting of results, untoward reactions, and danger signs. Introduction to prescription writing. Lectures, 2 hours; 22 hours. Dr. David.

***Phc 330. Pharmacology.** 1 hour summer or winter.

Study of the important drugs as they are used in the treatment of various diseases. Special emphasis on the points which are of greatest importance in connection with the nursing care of the patient. Lectures, 1 hour; 11 hours. Miss Kittlesby.

Nur 332. Clinics and Clinical Practice in Psychiatry. 6 hours.

Thirteen weeks of experience in the care of representative types of mental illness, with conferences, clinics, and nursing-care studies. Miss Duerksen and staff.

***Nur 335. Public Health and Communicable Diseases.** 3 hours fall or spring.

The aim of this course is to give the student a practical understanding of the symptoms and treatment of the communicable diseases. Lectures, 3 hours; 33 hours. Dr. Weinzirl and Miss Kittlesby.

Nur 336. Tuberculosis Nursing. 3 hours.

Lectures, conferences, and seminar designed to provide a practical understanding of the tuberculosis patient, including social, psychological, and community aspects, as well as nursing care, prevention, and treatment. Lectures, 3 hours; 33 hours. Dr. Speros and Miss Erikson.

Nur 343. Clinics and Clinical Practice in Operating-Room Technique. 4 hours any term.

Eight weeks of clinical practice and conferences in the operating room. Mrs. Sharf.

Nur 344. Operating-Room Technique. 1 hour.

The scientific basis for aseptic operative technique and the more-common operative procedures. Mrs. Sharf.

* Credit earned in this course may be applied toward fulfilling degree requirements in science.

- Nur 349. **Clinical Practice in Community Nursing.** 3 hours any term.
Six weeks' experience in the Outpatient Clinic, with field trips to health and social agencies, to help the student gain an appreciation of the role of the nurse in an organized community health program. Mrs. Parsell and staff.
- Nur 350. **Clinics and Clinical Practice in Tuberculosis Nursing.** 3-6 hours any term.
Six or 13 weeks of experience in the nursing care of tuberculosis patients; conferences and clinics. Miss Erikson and staff.
- Nur 351. **Clinics and Clinical Practice in Medical and Surgical Diseases.** 4 hours each term.
Clinical practice on medical and surgical services, with conferences and nursing-care studies. Mrs. Beeman, Miss Benefiel, Miss Kittlesby, and Miss Wasson.
- Nur 352, 353. **Clinics and Clinical Practice in Medical and Surgical Diseases.** 6 hours each term.
Clinical practice on medical and surgical services, with conferences and clinics dealing with the more advanced principles of nursing care. Mrs. Beeman, Miss Benefiel, Miss Kittlesby, and Miss Wasson.
- Nur 368. **Clinical Practice in Diet Kitchens.** 3 hours any term.
Diet preparation, management, and serving for hospital patients. Miss Fischer and staff.
- Nur 369. **Diet in Disease.** 2 hours fall or spring.
A brief review of the principles of normal nutrition, with emphasis on the principles and procedures in the care and preparation of foods. The student assists in the simple preparation of foods, and applies the general principles of diet therapy in the modification of the general diet. Lectures, 2 hours; laboratory, 2 hours; 44 hours. Miss Fischer.
- Nur 405. **Reading and Conference.** Any term, hours to be arranged.
- Nur 406. **Special Problems in Nursing.** Any term, hours to be arranged.
- Nur 407. **Seminar in Nursing.** Any term, hours to be arranged.
Arranged for advanced students in nursing. Gives the student an opportunity to study problems related to nursing.
- †Nur 410. **History of Nursing.** 3 hours.
A study of the rich heritage of the profession of nursing; the development of hospitals and community responsibility for the care of the underprivileged. Lectures, 3 hours; 33 hours. Miss Davis.
- †Nur 411. **Contemporary Trends in Nursing.** 3 hours.
Nursing education in Europe and America during the latter half of the nineteenth century; nursing in war since the Civil War; the background and leaders of national and international associations; nursing legislation and standards. Lectures, 3 hours; 33 hours.
- Nur 412. **Obstetrical Nursing.** 4 hours any term.
A study of the value of the individual family to the race. The importance of adequate medical and nursing care for maternity patients from the beginning of pregnancy through the puerperium. Physiology and hygiene of normal pregnancy, complications, treatment, care of patients in hospital or home. Lectures, 4 hours; 44 hours. Dr. Clancy and Miss McConnell.

† Credit earned in this course may be applied toward fulfilling degree requirements in social science.

Nur 413. Psychiatric Nursing. 4 hours any term.

Normal personality development; community aspects of mental health; etiology, symptomatology, treatment, special therapy, and nursing care of the more-common types of mental illness. Lectures, 4 hours; 44 hours. Oregon State Hospital staff.

Nur 414. Survey of Field and Related Professional Problems. 3 hours.

An introduction to the various branches of nursing problems; responsibilities, professional organization, relation to other professions. Opportunities for further education. Lectures, 3 hours; 33 hours. Miss Doltz.

Nur 415. Pediatric Nursing. 4 hours any term.

A study of the mental and physical development of the normal child from birth to puberty. Feeding of infants and older children. Symptoms of disease in children; prevention and treatment. Lectures, 2 hours; nursing class, demonstrations, and conferences, 4 hours; 66 hours. Mrs. Gatchett and Miss Luttrell.

†Nur 416. Introduction to Case-Work Methods. 3 hours any term.

A study of the generic principles and methods of case work common to all professions dealing with individuals, and of their particular application in the field of public health nursing. Use of case material in studying methods of interviewing; patient personality and reactions to health problems; social problems and their effect on a health program. Includes an introduction to the common community resources and their function. Lectures, 3 hours; 33 hours. Miss Fraley.

†Nur 418. Community Organization. 2 hours winter or summer.

Study of theories and methods of organization, constructive and destructive factors existing in community life, and the background of community movements. Lectures, 2 hours; 22 hours. Mrs. Queen.

†Nur 419. Community Health Organization. 2 hours fall or spring.

Study of social and health organization functioning in the local communities, with emphasis on the problems, the interrelations, and the place of the health worker. Lectures, 2 hours; 22 hours.

Nur 420, 421. Advanced Principles in Medical and Surgical Nursing. 2 hours each term.

The nurse's work and responsibility in relation to those conditions which are leading causes of morbidity and mortality, and to those conditions which involve complex nursing problems. The implications of the psychosomatic approach and of gerontology. Lectures, 2 hours; 22 hours each term. Miss Kittlesby, Miss Wasson and staff.

Nur 422. Administration in Schools of Nursing. 2 hours any term.

Problems of nursing-school organization in connection with hospitals of various types; schools of nursing under various forms of government. General problems of management in schools of nursing; the qualifications, personality, and training of the superintendent or principal; general administrative duties and responsibilities. Lectures, 2 hours; 22 hours. Miss Doltz.

†Nur 423, 424, 425. Field Work in Nursing-School Administration. 5 hours each term.

For graduate or senior students in nursing. The student is given an opportunity to plan student practice, and to study problems in the social and school adjustment of student nurses. Field work, 165 hours each term.

† Credit earned in this course may be applied toward fulfilling degree requirements in social science.

Nur 426, 427, 428. Advanced Principles in Nursing. 2 hours each term.

For the student who wishes to increase her knowledge of and improve her skills in community nursing service, and to study the newer developments in the functional health areas of public health nursing service. Lectures, 2 hours; 22 hours.

Nur 429, 430, 431. Advanced Field Work in Nursing. 5 hours each term.

Designed for senior or graduate nursing students. The student is given an opportunity to work with an agency specializing in the particular form of nursing or medical social service in which her interest lies. Field work, 165 hours each term. Miss Palmquist and staff.

Nur 433. Teaching Nursing Arts. 3 hours.

Designed to give the student a better understanding of the aims and scientific principles underlying nursing procedures, selection and organization of the units of instruction, teaching facilities, and methods of teaching the first course in nursing arts. Lectures, 3 hours; 33 hours. Miss Olson.

Nur 434. Field Work in Teaching Nursing Arts. 6 hours.

Observation of, and participation in, classroom and ward teaching. Field work, 165 hours. Miss Olson and staff.

Nur 441. Clinics and Clinical Practice in Pediatric Nursing. 6 hours any term.

Nursing care of pediatric patients in the hospital. Includes clinics and discussions conducted by a physician. Mrs. Gatchett, Miss Luttrell, and staff.

Nur 442. Clinics and Clinical Practice in Obstetrical Nursing. 6 hours any term.

Nursing care of obstetrical patients in the hospital, clinic, and home. Includes clinics and discussions conducted by a physician. Miss McConnell and staff.

Nur 443. Introduction to Methods in Public Health Nursing. 3 hours any term.

The relationship between the patient, his family, the nurse, and the family physician. The use of community resources and psychological principles in the maintenance of health. Miss Davis.

Nur 444. Nutrition for Public Health Nurses. 3 hours winter or summer.

Existing knowledge of and recent trends in the field of nutrition. Designed to develop the ability to carry out the functions of a public health nurse in promoting optimum nutrition for the family and community. Lectures, 3 hours; 33 hours.

†**Nur 445. Mental-Hygiene Aspects of Public Health Nursing.** 3 hours fall or spring.

Principles of mental hygiene, with special application to the needs of the public health nurse. Emphasis on the prevention of mental illness at all age levels, rather than on the care of the mentally ill. Lectures, 3 hours; 33 hours.

Nur 446. Clinical Practice in Ward Administration. 4 hours any term.

Assignment for one term as assistant head nurse, with the particular duty of attending all staff rounds.

Nur 447, 448. Field Work in Nursing Supervision. 6 hours fall and winter.

Practice in nursing care of general medical and surgical patients. Review of principles of supervision, practice in supervision, planning and evaluating nursing-care programs, planning ward assignments, observation of and practice in ward teaching, and individual and group conferences. Field work, 165 hours each term. Miss Gregerson and staff.

Nur 450. Technique in Ward Administration. 3 hours fall or spring.

Responsibilities of the head nurse in ward management, teaching, and supervision. Lectures, 3 hours; 33 hours. Miss Fisher.

† Credit earned in this course may be applied toward fulfilling degree requirements in social science.

- Nur 451. **Principles of Teaching.** 3 hours winter.
Principles underlying clinical and classroom teaching in schools of nursing. Lectures, 3 hours; 33 hours. Miss Vreeland.
- Nur 452. **Principles of Supervision.** 3 hours spring.
A study of the fundamental principles underlying supervision. Lectures, 3 hours; 33 hours each term. Miss Vreeland.
- Nur 453. **Integration of the Social and Health Components of Nursing in the Basic Curriculum. (G)** 2 hours winter.
Designed to familiarize the graduate nurse with the philosophy and principles underlying integration of the social and health components of nursing in the basic curriculum, with practical application in the major clinical services. Miss Davis.
- Nur 456, 457. **Advanced Obstetrics for Nurses.** 2 hours each term.
For students who are specializing in obstetrical nursing.
- Nur 458. **Curriculum Construction in Schools of Nursing.** 3 hours.
Modern principles and methods of curriculum making; aims, standards, sources, techniques, and planning the program of study. Lectures, 3 hours; 33 hours.
- Nur 460. **Emergency Nursing.** 2 hours any term.
Emergency treatment to be given before the arrival of a doctor, in cases of accident or physical injury. Lectures, 2 hours; 22 hours.
- Nur 461. **Introduction to Public Health Nursing.** 4 hours fall or spring.
The development of public health nursing; its scope and objectives. Functions of the public health nurse. Lectures, 4 hours; 44 hours. Miss Palmquist.
- Nur 462. **Organization and Administration of Public Health.** 3 hours fall or spring.
History, development, organization, administration, and interrelations of Federal, state, local, and voluntary health agencies. Application of public health principles in the administration of various types of public health services. Lectures, 3 hours; 33 hours. Dr. Weinzirl.
- Nur 463. **Introduction to Public Health Nursing Supervision.** 3 hours fall or spring.
An introduction to supervision; its philosophy, methods, problems, and values. Lectures, 3 hours; 33 hours. Miss Palmquist.
- †Nur 464. **Field Work, Interviewing, and Work with Agencies.** 5 hours any term.
Application, during public health nursing field experience, of interviewing techniques and cooperative service with other community agencies in solving health problems. Field work, 165 hours. Miss Palmquist and Miss Peterson.
- †Nur 465. **Methods of Teaching Health.** 3 hours winter or summer.
The teaching functions of the public health nurse. The principles, methods, and materials used in teaching nursing and health to individuals; family health counseling. Lectures, 3 hours; 33 hours. Miss Peterson.
- Nur 466. **Methods of Teaching Health.** 3 hours winter or summer.
Application of the principles of teaching to the instruction of individuals and groups. Supervised experience in teaching community groups the American Red Cross home-nursing course. Lectures, 3 hours; 33 hours. Miss Peterson.

† Credit earned in this course may be applied toward fulfilling degree requirements in social science.

Nur 467. Field Work in Public Health Nursing. 5 hours any term.

Designed to meet the needs of the individual students for work in specific areas of public health nursing. Time to be arranged with urban health agencies. Miss Peterson.

Nur 468, 469. Field Work in Public Health Nursing. 5 hours each term.

For students who have completed the theoretical requirements for a certificate. Consists of a block of field experience with rural and urban public health nursing agencies. Time to be arranged. Miss Peterson.

Nur 470. Systems in Public Health Nursing. 6 hours fall or spring.

Health objectives and functions of the public health nurse in the major health areas; morbidity, maternal and infant health, preschool and school health, industrial health, tuberculosis and communicable disease. Arrangement and use of statistical data having a bearing on practical public health programs. Lectures, 6 hours; 66 hours. Miss Peterson.

†Nur 471. Vital Statistics. 2 hours.

Lectures and recitations on the collection, the arrangement, and the uses of statistical data having a bearing upon practical public health. Lectures, 2 hours; 22 hours. Miss Peterson.

Nur 472, 473. Clinical Orthopaedic Nursing. 7-9 hours each term.

Opportunity for experience with children and adults in the Outpatient Clinic of the Medical School and in the Shriners Hospital for Crippled Children. Lectures, 3 hours; clinic, 18 hours; 231 hours each term.

Nur 474, 475. Clinical Obstetrical Nursing. 7-9 hours each term.

Practical experience in the hospitals affiliated with the Medical School, in the Outpatient Clinic, and in homes. Lectures, 3 hours; clinic, 18 hours; 231 hours each term. Dr. Stearns and Miss Eggers.

Nur 476. Clinical Pediatric Nursing. 6 hours any term.

Experience in the care of infants and children. Includes experience as assistant to ward administrator. Designed to aid in preparing the nurse for head-nursing positions in a pediatric division or hospital. 18 hours per week; 216 hours. Miss Thompson, Mrs. Gatchett, and staff.

Nur 477. Clinical Pediatric Nursing. 6 hours any term.

Experience in the care of infants and children. Opportunities to work with the pediatric instructor and obtain practice in supervision and teaching of student nurses on the wards, as well as a limited amount of supervised classroom teaching. Designed for the nurse wishing to prepare for the field of supervision in pediatric nursing. 18 hours per week; 216 hours. Miss Thompson, Mrs. Gatchett, and staff.

Nur 480, 481. Advanced Pediatrics for Nurses. 2 hours each term.

Consideration of the latest developments in the medical and nursing care of the sick child in institution or home; the care and feeding of the normal infant; desirable attributes of a pediatric ward, division, or hospital. Designed for nurses who wish to specialize in the field of pediatric nursing. Lectures, clinics, nursing classes, 2 hours; 22 hours each term. Dr. Smith and Miss Thompson.

Nur 482. Physical and Emotional Growth. 3 hours any term.

The physical and emotional development of the child. Lectures, 3 hours; 33 hours. Dr. Benward.

Nur 483. Control of Genito-Infectious Diseases. 3 hours any term.

The newer methods of control of these diseases, with particular reference to the functions of the public health nurse in these programs. Lectures, 3 hours; 33 hours. Dr. Edwards.

† Credit earned in this course may be applied toward fulfilling degree requirements in social science.

Nur 486. Surgical Specialties. 2 hours any term.

Designed to give the graduate nurse a better understanding of the conditions found in the surgical specialties. Lectures, clinics, and nursing classes, 2 hours; 22 hours. Miss Wasson.

†Nur 487. Behavior Aspects of Child Conduct. 3 hours.

Study of child behavior in health and disease. Dr. Hutchens.

†Nur 489. Problems in Child Welfare. 2 hours.

An intensive study of child dependency, including a consideration of physical and mental handicaps and juvenile delinquency. Intended primarily to meet the needs of persons now in the field, whose work involves problems of dependency. Lectures, 2 hours; 22 hours.

†Nur 490. Advanced Public Health. 3 hours winter or summer.

A general survey of the methods of controlling communicable disease; environmental sanitation and hygiene. Lectures, 3 hours; 33 hours. Dr. Weinzirl.

Nur 491. Industrial Hygiene for Nurses. 2 hours.

To help the nurse develop the knowledge, attitudes, interests, abilities, and professional skill which the industrial nurse needs in order to function with professional competence in relation to the health requirements of the worker, his family, and community. Lectures, 2 hours; 22 hours. Mrs. Webster and staff.

† Nur 501. Social Research. Any term, hours to be arranged.

Intended to give the student an opportunity to work out projects in the line of her special interest. Opportunities in the fields of child welfare, medical social work, visiting teaching, family welfare, and community organization.

†Nur 507. Seminar. Any term, hours to be arranged.

A discussion course designed for supervisors and executives. Individual reports on and group discussions of problem cases.

†Nur 511, 512, 513. Fundamentals of Health Education. 2 hours each term.

Lectures and discussions on the scientific basis for health development and the prevention of disease; 22 hours each term.

† Credit earned in this course may be applied toward fulfilling degree requirements in social science.

Degrees Conferred, June 1948

MEDICINE

DOCTOR OF MEDICINE

George Francis Asbury, B.S., Kent, Wash.
Alice Matilda Bahrs, Ph.D., Portland
George Richard Baker, B.S., Yakima, Wash.
Myron Albert Bass, B.S., Tacoma, Wash.
Cyril Yarling Bowers, B.A., Longview,
Wash.
Ben Ross Burgoyne, B.S., Portland
Rodney Lynn Careton, B.S., Los Angeles,
Cal.
Charles Conrad Carter, B.A., Seattle, Wash.
James Marion Carter, B.S., Kelso, Wash.
Vernon Dale Casterline, A.B., Vida, Mont.
John Willis Christerson, B.S., Corvallis
Robert Philander Crabill, B.S., Baker
Eugene Wilde Earl, B.S., Burley, Idaho
Wilma Ruth Eaton, B.A., Oregon City
Alfred Fell, B.A., Portland
David Armin Fischer, B.A., Portland
Don Fox, B.A., Eugene
Richard Wilbur Franklin, B.S., Pocatello,
Idaho
Joseph Paul Frederick, B.S., Puyallup,
Wash.
William Philip Galen, B.S., Portland
Thomas Joseph Gianelli, B.S., Tacoma,
Wash.
Edward Wayne Gourley, Jr., B.S., Seattle,
Wash.
John Jacob Guyer, B.A., Portland
Harold Eugene Heinemann, B.A., Ritzville,
Wash.
Philip Harold Henderson, Jr., B.S., Long-
view, Wash.
Albert Marshall Hyde, B.S., Murphy
Willis James Irvine, B.S., Portland
Bruce Carl Jeppson, B.S., Lewiston, Idaho
Douglass Sherman Johnson, B.S., Cottage
Grove
Warren Lester Jones, B.S., Portland
Buell Chapin Kingsley, A.B., Port Washing-
ton, N. Y.

Malone William Koelsch, B.S., Boise, Idaho
Toshiaki Kuge, B.S., Portland
Eugene Williams Landreth, B.S., Pendleton
Marion Carolyn Larsen, B.S., Seattle, Wash.
Fred Richard Lewis, B.A., Poulso, Wash.
Mary Louise Lyons, B.A., Salt Lake City,
Utah
William Oscar Maddock, Ph.D., Seattle,
Wash.
Leo Ivan Martin, B.A., Washougal, Wash.
John Clifton Massar, B.S., Mt. Vernon,
Wash.
Paul Patrick McBride, B.S., Portland
William Francis McCullough, B.S., Portland
Rickard William McLean, B.S., Forrest-
ville, Cal.
Robert Louis Mueller, B.S., Klamath Falls
Alvin Robert Mundhenk, B.A., Portland
George Austin Nash, B.S., Portland
Arthur Leonard Ovregaard, B.A., Caldwell,
Idaho
Jack Rhodes Pennington, B.S., Eugene
William Christian Pritchard, B.S., Pullman,
Wash.
Irving Puziss, B.S., Portland
A. Claire Renn, B.S., Woodburn
Lewis Campbell Robertson, B.S., Lakeview
Jesse DeLoach Robuck, B.S., Seattle, Wash.
Norman Rokeach Rogers, Portland
Ben Selling, B.A., Portland
John Lloyd Siemens, B.S., Seattle, Wash.
Charles Robert Smith, B.S., Seattle, Wash.
Richard Fewer Stack, B.S., Portland
Roger Dwyer Stack, B.S., Portland
Thomas James Stack, B.S., Coos Bay
Vernon Lloyd Summers, B.A., Portland
Edward Albert Thistlewaite, B.A., Portland
Lawrence DeWitt Townsend, M.S., Portland
Samuel Edmund Trueblood, B.S., Oswego
Clarence Taylor Yand, B.S., Carnation,
Wash.

DOCTOR OF PHILOSOPHY

William Oscar Maddock, M.S., Seattle,
Wash.

Donald Ernest Olson, M.D., Portland

MASTER OF SCIENCE

Lew Cunningham, B.A., San Diego, Cal.
Frank G. Everett, M.D., D.M.D., Portland
Leta Belle Hehrstz, B.S., Portland
Patricia Bernice Geiser, B.S., Portland

Edward Leo Hendricks, B.S., Portland
Ruth Dixon Peterson, B.S., Portland
Ben Vidgoff, M.D., Portland

NURSING EDUCATION

BACHELOR OF SCIENCE

*Elizabeth Abderhalden, Portland
*Ruth Arlene Andrews, Longview, Wash.
†Jean Clark Averill, Dayton

*Tuanita Johnson Bailey, Eugene
*Gloria Dober Beevor, Cornelius
*Mae Louene Birch, Portland

*Conferred through University of Oregon.
†Conferred through Oregon State College.

- †Betty Jean Bodeker, Lyons
 *E. Adele Bower, Portland
 *Barbara Jean Browne, Nyssa
 *Elva Winifred Buhler, Dallas
 *Huretta Trula Burruss, Waterloo, Iowa
 *Phoebe Jane Campbell, Portland
 *Genevieve Irene Chase, Long Beach, Cal.
 *Norma Ethel Clark, Portland
 †Helen May Corum, Silver Lake
 †Marie Cox, Bend
 *Lois Ellen Douglas, Portland
 *Clara O. Engebretsen, Portland
 *Vida Mae Everts, Portland
 *Evelyn Joyce Fearn, Portland
 *Ruth Eileen Forbes, Portland
 *Helen Marie Hakanson, Portland
 *Barbara Beth Happel, Portland
 *Julia G. Harris, Boise, Idaho
 *Helen Rexroth Harvey, Long Beach, Cal.
 *Edith Elizabeth Heikka, Portland
 *Lorna Hendricksen, Portland
 †Barbara Gibbs Hiatt, Burns
 *Mary Pauline Kain, Portland
 *Frances S. Koch, Portland
 *Joan Elizabeth Kohles, Portland
 *Margaret Ellen Lee, Portland
 *Reba F. Lehman, Portland
 *Mary Margaret Lemons, Panhandle, Texas
 *Merle Vivian LeValley, Portland
 *Alice R. Libby, Portland
 †Regina Theresa Mockmore, Corvallis
 *Winona T. Nordliind, Cour d'Alene, Idaho
 *Mabel T. Norton, Portland
 *Ruth I. Peffley, Portland
 *Erma Elizabeth Plett, Portland
 *Anna Rettie Pollock, Baker
 *Elizabeth Natalia Pukas, Portland
 †Jeanne Quint, San Diego, Cal.
 *Aline Gattens Rice, Portland
 *Trullis Walls Richardson, Portland
 *Helen T. Schmidt, Cornelius
 *Bernice Ann Setere, Portland
 *Elesa Simonson, Portland
 *Phyllis Mae Smout, Portland
 *Ann May Sroufe, Portland
 *Lillian Rita Urban, Portland
 *Helen Wangsgard, Portland
 *Mary Kirby West, Portland
 †Elizabeth Macke Whitman, Shelton, Wash.

CERTIFICATE IN PUBLIC HEALTH NURSING

- Elizabeth Aberhalden, Portland
 Mae Louene Birch, Portland
 Huretta Trula Burruss, Waterloo, Iowa
 Phoebe Jane Campbell, Portland
 Genevieve Irene Chase, Long Beach, Cal.
 Norma Ethel Clark, Portland
 Faye Garrett Coulter, Boise, Idaho
 Julia Frances Delk, Longmont, Colo.
 Margaret Mary Gavin, Oakland, Cal.
 Lurline Samantha Greene, Portland
 Kathryn Lorene Griffith, Cushing, Okla.
 Helen Rexroth Harvey, Long Beach, Cal.
 Helen Margaret Henderson, Poplar Bluff, Mo.
 Naomi Irene Holcomb, Baltimore, Md.
 Anna Margaret Indseth, Portland
 Mary Pauline Kain, Portland
 Frances Odion Kennedy, Missoula, Mont.
 Joan Elizabeth Kohles, Portland
 Merle Vivian LeValley, Portland
 Mary Louise Melka, Morningside, Ill.
 Anna Rettie Pollock, Baker
 Elizabeth Natalia Pukas, Portland
 Aline Gattens Rice, Portland
 Trullis Walls Richardson, Portland
 Helen Theresa Schmidt, Cornelius
 Elesa Simonson, Portland
 Phyllis Mae Smout, Portland
 Helen Stevart, Sherwood
 Marjorie Ora Stout, Portland
 Helen Wangsgard, Portland

Enrollment, 1947-48

MEDICINE

FIRST-YEAR CLASS

- Bachman, Daniel Morton, Portland
 Reed College, 1943-44, 1946-47
 Bailey, Todd Duane, Burns
 Oregon State College, 1939-41, 1946-47
 Bergman, Norman Akiva, Portland
 Reed College, 1943-45, 1947
 Brick, Francis Harold, Pocatello, Idaho
 University of Idaho, Southern Branch,
 B.S., 1940
 Calas, Stanley Dean, Hermiston
 Oregon State College, B.S., 1947
 Campagna, Mario Joseph, Portland
 University of Portland, 1944-45, 1946-47
 Oregon State College, 1945-46
 Carpenter, Darwin Kirk, Portland
 Oregon State College, 1937-39
 Reed College, 1946-47
 Chappell, Allan Kent, Aberdeen, Washington
 State College of Washington, 1942-43,
 1945-47
 Reed College, 1945-46
 Conc, William Harlan, Grangeville, Idaho
 University of Idaho, 1940-41, 1942-43,
 1946-47
 Cottle, Taylor F., Boise, Idaho
 Boise Junior College, 1940-42
 College of Idaho, 1945-47
 Davidson, Douglas George, San Diego, Cal.
 University of Oregon, B.S., 1947
 Denker, Arthur Gilman, Ephrata, Wash.
 Washington State College, 1942-43
 University of Washington, 1946-47
 Dennis, John Patrick, Portland
 Multnomah College, 1943-44
 Reed College, 1944-45
 Oregon State College, 1944, 1945, 1947
 Fitch, Handy Freeman, Vancouver, B. C.
 University of British Columbia, M.A., 1947
 Ford, Peter Saunders, Colville, Wash.
 Pacific University, B.S., 1945
 Fortner, Edgar Sidney, Jr., Salem
 Oregon State College, B.S., 1942

* Conferred through University of Oregon.

† Conferred through Oregon State College.

- Fuller, Malcolm Eugene, Jacksonville, Fla.
University of Florida, B.S., 1942
- Gilham, Robert Bryan, Tigard
Pacific University, A.B., 1942
- Gnaedinger, Ernest Edwin, Wallace, Idaho
University of Idaho, B.S., 1942
- Gregson, Amos Milton, Grinnell, Iowa
Grinnell College, B.A., 1933
- Harris, Harry Lee, Halsey
University of Oregon, B.S., 1947
- Haworth, Wallace George, Portland
Carroll College, 1943-44
University of Washington, 1944-45
University of Oregon, 1946-47
- Henriques, Charles Carlyle, Kingston,
Jamaica
St. George's College, 1941-42
Columbia University, 1943-45, 1946SS
University of Oregon, 1947
Wolmer's College Department, 1943
- Hill, Aubrey Morris, Corvallis
University of Idaho, Southern Branch,
B.S., 1943
- Hogberg, Dan Algot, Chehalis, Wash.
Grays Harbor Junior College, 1939-40
State College of Washington, 1944-47
- Hooper, Oaks Hooper, Parma, Idaho
University of Oregon, B.S., 1947
- Hough, John Donald, Courtenay, B. C.
University of British Columbia, 1944-47
- Jett, Jim, Wenatchee, Wash.
State College of Washington, 1938-40,
1945-47
- Jones, Kenneth Walter, Portland
Oregon State College, 1942-43
Stanford University, 1943-44, 1946-47
- Klobucher, Victor William, Jr., Opportunity,
Wash.
State College of Washington, B.S., 1941
- Langston, Laurence Russell, Eugene
University of Oregon, B.A., 1947
- Larson, Lewis Herman, Portland
Reed College, 1941-42, 1946-47
- Lee, Arthur Albert, Jr., El Cajon, Cal.
University of Oregon, 1935-38, 1941-42,
1945-47
- Lende, Richard Allen, Pambina, N. D.
Oregon State College, B.S., 1947
- Lewis, Laurence Jerome, Portland
Reed College, 1944-47
- Livingstone, Ernest Tucker, Oswego
Reed College, 1941-43, 1945-47
- McHolick, William John, Monitor
Oregon State College, 1942-43, 1946-47
University of Oregon, 1943-44
University of California, 1944
- McMurry, Bryce Elliot, Longview, Wash.
University of Washington, B.A., 1941
- Mack, Donald Lee, Eugene
University of Oregon, B.A., 1947
- Martin, Raymond George, Walla Walla,
Wash.
State College of Washington, B.S., 1947
- Mass, Robert Ernest, Halsey
University of Oregon, 1944-47
- Mortimore, Glenn Edward, Portland
Multnomah College, 1943
Oregon State College, 1943-44, 1946-47
- Nelson, Clarence Donald, Scappoose
Northwestern Theological Seminary,
1942-45
University of Oregon, 1945-47
- Norton, Genevieve Speelman, John Day
University of Oregon, B.S., 1947
- Paulsen, Charles Alvin, Portland
University of Oregon, B.A., 1947
- Perkins, Norris Humphrey, Portland
University of Oregon, B.A., 1940
- Pershall, Kenneth Quentin, Dayton, Wash.
Texas Technological College, 1943-44
University of Oregon, 1945-47
- Pidgeon, Wayne McKay, Xenia, Ohio
University of Oregon, B.S., 1947
- Pyrch, William John, Caimar, Alberta
University of British Columbia, B.A., 1947
- Read, Eugene W., Moscow, Idaho
University of Oregon, B.S., 1947
- Rennie, Donald Wesley, Seattle, Wash.
Reed College, 1942-45
University of Washington, 1946-47
- Riechers, Robert Henry, Portland
Oregon State College, B.S., 1940
- Rowen, Gerald Eugene, Miles City, Mont.
Carleton College, 1942-43
Custer County Junior College, 1943
Montana State College, 1946-47
- Saxey, Edward, Provo, Utah
University of Portland, B.S., 1947
- Seats, Donald James, Victoria, B. C.
University of British Columbia, B.A., 1947
- Schaff, Paul Edwin, Weiser, Idaho
University of Idaho, Southern Branch,
B.S., 1942
- Schierman, Ruth Ethel, Los Angeles, Cal.
Oregon State College, 1930-31
College, 1944-45
Pasadena Junior College, 1945SS
- Scholl, Virginia May, Vancouver, Wash.
University of Oregon, B.S., 1947
- Smick, Harold, Sprague, Wash.
Walla Walla College, B.A., 1945
- Smith, Marthé Elisabeth, Eugene
University of Oregon, 1944-47
- Stanwood, John Ernest, Caldwell, Idaho
Oregon State College, 1943-44
College of Idaho, 1946-47
- Stubblebine, James Malcolm, North Bend
University of Oregon, B.S., 1947
- Sutherland, Lawrence Meade, Armstrong,
B. C.
University of British Columbia, B.A., 1947
- Swanson, Carter Arvid, Seattle, Wash.
University of Washington, B.S., 1947
- Sweeney, Vincent Charles, Portland
Reed College, 1937-39
Oregon State College, 1945-47
- Tivey, Harold, Portland
Reed College, B.A., 1938
- Toews, Samuel Frank, Portland
College of Idaho, B.S., 1943
- Urman, Marvin James, Portland
University of Portland, 1943-45, 1946-47
- Voigt, Allan Earl, Salem
Willamette University, 1942-43, 1946-47
- Watkins, Jack Burton, Aberdeen, Wash.
State College of Washington, B.S., 1944
- Watts, Thomas Wynne, Jr., Portland
University of Oregon, B.S., 1947
- Welch, Herbert Clark, Qualicum Beach, B. C.
University of British Columbia, 1944-47
- Weybright, Dortha, Portland
University of Oregon, B.S., 1947
- Whipps, Gilbert Frederick, Spokane, Wash.
State College of Washington, B.S., 1941
- Wiley, David Chalmers, Hillsboro
University of Oregon, B.S., 1947
- Wolfe, Lynn Ernest, Jr., Portland
Phoenix Junior College, 1937-38
Southern Oregon College of Education,
1939-40
University of Oregon, 1946-47
- Woodward, Mack Garland, Baker
Oregon State College, B.S., 1947
- Zenger, Elmer, Portland
University of Chicago, 1943-44
University of Oregon, 1945-47

SECOND-YEAR CLASS

- Anderson, Edgar Harrison, Portland
University of Oregon, B.A., 1940
- Baxter, Roberta Gail, Portland
University of Oregon, 1943-46
- Beddow, Ralph Marlowe, Honolulu, T. H.
State College of Washington, B.S., 1944
- Bianchard, John A., Jr., Fairview, Mont.
Montana State College, B.S., 1941
- Bocek, Max Mark, Portland
Oregon State College, M.S., 1938
- Boyd, Bruce Adna, Portland
University of Oregon, B.A., 1943
- Brenneman, Eileen Marie, Albany
University of Oregon, B.A., 1946
- Brown, Charles Straub, Honolulu, T. H.
Stanford University, A.B., 1938
- Burgoyne, Frank Nelson, Kamloops, B. C.
University of British Columbia, 1944-46
- Calkins, Mary Eileen, Portland
Linfield College, B.A., 1947
- Casey, Leroy Virgil, Portland
Willamette University, A.B., 1939
- Casserd, Fredrick, Seattle, Wash.
University of Washington, B.S., 1947
- Chloupek, Tom Vidger, Pendleton
Northwestern University, B.A., 1937
- Christopher, John R., Camas, Wash.
Willamette University, A.B., 1942
- Cram, John Woodrow, Portland
Albany College, 1938-41
University of Oregon, 1941-42, 1945-46
- DeLorme, Robert Darrow, Portland
Illinois College of Chirophy, 1937-40
Reed College, 1942-44, 1945-46
- Durham, Ray Samuel, Lewiston, Idaho
Stanford University, A.B., 1942
- Gilmer, Graham, Jr., Lynchburg, Va.
Hampden-Sydney College, B.A., 1935
- Gustafson, Ivan John, Monroe, Wash.
State College of Washington, B.S., 1942
- Hanson, Victor Robert, Kelso, Wash.
Bemidji State Teachers College, 1937-41
Oregon State College, 1946
- Hargraves, Allen Pershing, Inkom, Idaho
University of Idaho, Southern Branch,
1937-39
Oregon State College, 1945-46
- Harlin, Allan Junior, Seattle, Wash.
University of Washington, 1942-43
State College of Washington, 1943-44
University of Oregon, 1944
- Harris, Bernice G., Seattle, Wash.
University of Washington, M.S., 1946
- Harris, John Edward, Toledo, Ohio
State University of Iowa, Ph.D., 1940
- Hastings, Ben Karyl, Portland
Central College, B.A., 1944
- Honig, Emanuel M., Brooklyn, N. Y.
Brooklyn College, B.S., 1935
- Honodel, Robert C., Bremerton, Wash.
State College of Washington, B.S., 1942
- Huckins, Alva Ray, Jr., Portland
Reed College, 1938-40, 1945-46
- Hunsaker, Robert Dale, Klamath Falls
Willamette University, B.S., 1946
- Inahara, Toshio, Payette, Idaho
University of Oregon, 1938-41
University of Wisconsin, 1944-46
- Jeppesen, Donald Martin, Eugene
University of Oregon, B.S., 1947
- King, Charles Delson, Missoula, Mont.
Montana State University, B.A., 1943
- Krause, Vivian E. J., Seattle, Wash.
University of Washington, B.S., 1946
- Lawton, Raymon Edgar, Bremerton, Wash.
University of Washington, B.S., 1946
- Leavitt, Elton David, Spokane, Wash.
University of Idaho, B.S., 1942
- Martin, Kenneth Lassen, Portland
Reed College, 1943
Central College, 1943-45
- Meyer, Robert Edwin, Portland
University of Washington, B.S., 1942
- Mickel, Edwin Albert, Portland
University of Oregon, 1941-44
Kensselaer Polytechnic Institute, 1945
Oregon State College, 1946
- Millican, Douglas Elmos, Portland
University of Oregon, B.A., 1946
- Moores, Kenneth Dabney, Seattle, Wash.
Whitman College, A.B., 1946
- Myers, Gordon Carl, Portland
Pacific University, 1942-43
Willamette University, 1943-44
- Nearby, Mark Rohde, Portland
Willamette University, 1937-40
Reed College, 1945-46
- Niece, William Kenyon, Sedro-Woolley,
Wash.
University of Washington, B.S., 1942
- Peterson, Frank Richard, Tacoma, Wash.
Willamette University, A.B., 1946
- Pittenger, Robert Glenn, Medford
University of Oregon, 1943-46
- Proud, Harry Stewart, Portland
University of Wyoming, B.A., 1934
- Radmore, Barbara Joy, Springfield
University of Oregon, 1943-46
- Schneider, Constine O., Salem
Willamette University, 1937-40, 1945-46
- Senders, Wilbur L., Albany
Willamette University, B.S., 1947
- Smith, Donald Dean, Portland
University of Portland, 1941-43
- Snider, Howard Roy, Bellingham, Wash.
University of Washington, B.S., 1947
- Snyder, D'Annette, Petersburg, Alaska
Reed College, B.A., 1942
- Stalder, Marvin Paul, Portland
Pacific University, 1935-36
Reed College, 1943-46
- Stamphert, Joseph P., Portland
Linfield College, 1937-40
University of Oregon, 1945-46
- Stephenson, George William, Seal Rock
University of Oregon, B.A., 1939
- Stern, Thomas Lee, Portland
Willamette University, B.S., 1947
- Sullivan, Robert Brooks, Portland
Oregon State College, B.S., 1938
- Taylor, Carolyn Francis, Portland
University of Oregon, 1943-46
- Teipner, William Albert, Reno, Nev.
Colorado College, 1944-45
University of Nevada, 1946
- Tyler, Donald Earl, Ontario
University of California at Los Angeles,
1944-45
- Volstorff, Clifton Henry, Hood River
University of Oregon, B.S., 1946
- Wedel, Elmer Paul, Salem
Willamette University, A.B., 1941
- Weholt, Theodore Bjorn, Spokane, Wash.
State College of Washington, B.S., 1945
- Whitmer, John Harrison, McMinnville
Montana State College, 1941-43
Oregon State College, 1944-46
- Wolfe, Peter Thomas, Jr., Corvallis
Oregon State College, B.S., 1946

THIRD-YEAR CLASS

- Alden, Neil Charles, Portland
Reed College, B.A., 1947
- Asmussen, Robert Erich, Wendell, Idaho
University of Idaho, B.S., 1946
- Beetem, Ksenia P., Portland
University of Oregon Medical School,
Ph.D., 1944
- Boyd, Stanley Alden, Portland
Willamette University, A.B., 1945
- Buckinger, Robert H., Seattle, Wash.
University of Washington, B.S., 1945
- Carrigg, Norman Francis, Portland
University of Oregon, B.S., 1947
- Chenoweth, Bruce Robert, Portland
University of Oregon, B.S., 1947
- Davis, Melvin Roger, Port Orchard, Wash.
University of Washington, B.S., 1946
- Downs, Charles Raymond, Davenport, Okla.
University of Oregon, 1943-44
- Edwards, Jack Coleman, Portland
University of Oregon, B.S., 1946
- Eggertsen, Bernard Junior, Salt Lake City,
Utah
University of Oregon, B.S., 1946
- Fife, Robert Reed, Idaho Falls, Idaho
University of Idaho, B.S., 1945
- Fisher, William Arthur, Albany
University of Oregon, B.S., 1947
- Hanson, Leonard Berdine, Newberg
Oregon State College, B.S., 1946
- Harder, John N., Jr., Kahlolus, Wash.
Whitman College, A.B., 1945
- Harrison, William Dale, Portland
Willamette University, B.S., 1946
- Hendricks, Edward Leo, Portland
Oregon State College, B.S., 1946
- Herman, Frank Richard, Eugene
University of Oregon, B.S., 1946
- Hewel, Shirley Roger, Pendleton
University of Washington, B.S., 1946
- Hewitt, Alfred Frank, Portland
Whitworth College, M.S., 1940
- Hoover, Reynolds K., Jr., Longview, Wash.
University of Oregon, B.S., 1946
- Hurley, Thomas Jerry, Portland
University of Oregon, B.S., 1946
- Jungck, Edwin Clement, Portland
University of Oregon Medical School, M.S.,
1947
- Kelley, Kathryn Ann, Klamath Falls
Oregon State College, B.A., 1944
- Kokko, Ruth Ilona, Portland
Reed College, B.A., 1944
- Lattig, Gerald James, Payette, Idaho
University of Idaho, B.S., 1944
- Lee, Harry, Portland
University of Oregon, B.S., 1947
- Lienhard, Wendell Frederick, San Antonio,
Texas
University of Oregon, B.S., 1946
- Mallett, Richard Jerome, Gresham
Willamette University, B.S., 1946
- Martin, Rolland Aldred, Albany
University of Nebraska, B.S., 1947
- Mink, Morrie, Portland
University of Oregon, B.S., 1947
- Mittelstaedt, Lester Wayne, Seattle, Wash.
University of Washington, B.S., 1944
- Morrill, Don Rex, Portland
Oregon State College, M.S., 1942
- Munson, Jasper Paul, Grotton, N. Y.
Montana State College, 1943-44
University of Idaho, 1944
- Parkinson, Leonard Spencer, Franklin, Idaho
University of Oregon, B.S., 1947
- Petty, John Wesley, Spokane, Wash.
University of Oregon, B.S., 1946
- Porter, Philip Martin, Aurora, Ill.
University of Oregon, B.S., 1946
- Pouteau, Jean Lucien Marie, Portland
Reed College, B.A., 1947
- Radiiff, Archie Pendleton, Jr., Everett, Wash.
University of Washington, B.S., 1940
- Reberger, Charles Creighton, Tacoma, Wash.
College of Puget Sound, B.S., 1946
- Reynolds, Walter Cornelius, Portland
University of Oregon, B.S., 1944
- Ribar, Joseph Merle, Jr., Tacoma, Wash.
University of Washington, B.S., 1945
- Rosenbaum, Herbert Edwin, Sterling, Colo.
University of Oregon, B.S., 1947
- Santos, Ernesto Miranda, Portland
University of Oregon, B.A., 1945
- Sherwood, Robert William, Monroe, Wash.
Brigham Young University, 1943-44
University of California at Los Angeles,
1944
- Smith, Norris Dean, Pilot Rock
University of Oregon, B.S., 1946
- Steinbach, John David, Tillamook
Oregon State College, B.S., 1946
- Suver, Phillip Joseph, Seattle, Wash.
University of Washington, B.S., 1947
- Taylor, Jean, Eugene
University of Oregon, M.A., 1941
- Weissglass, Bennett, Butte, N. J.
University of Oregon, B.S., 1946
- Westling, Philip Lee, Malden, Wash.
State College of Washington, B.S., 1944
- Whitlock, David Graham, Portland
Oregon State College, B.S., 1946
- Wilhelmi, Kenneth Clark, Tacoma, Wash.
University of Washington, B.S., 1946
- Wilkinson, Albert Edgar, Butte, Mont.
Montana State University, B.A., 1945
- Witliff, Jack Stanley, Astoria
Willamette University, B.S., 1947
- Worthylake, Ralph Dean, Toledo
University of Washington, B.S., 1946
- Young, Olive Adams, Eugene
University of Oregon, B.S., 1929
- Zamvil, Louis, Brooklyn, N. Y.
Stanford University, A.B., 1946
- Zevely, Henry Angus, Stevenson, Wash.
University of Oregon, B.S., 1946

FOURTH-YEAR CLASS

- Asbury, George Francis, Puyallup, Wash.
University of Oregon, B.S., 1946
- Bahrs, Alice Matilda, Loomis, Cal.
University of Oregon, Ph.D., 1930
- Baker, George Richard, Yakima, Wash.
University of Washington, B.S., 1945
- Bass, Myron Albert, Cheney, Wash.
University of Oregon, B.S., 1947
- Bowers, Cyril Yarling, Longview, Wash.
University of Oregon, B.A., 1946
- Burgoyne, Ben Ross, Newberg
Carter, Charles Conrad, Seattle, Wash.
Reed College, B.A., 1946
- Carter, James Marion, Seattle, Wash.
University of Washington, B.S., 1943
- University of Oregon, B.S., 1946
- Casterline, Vernon Dale, Vida, Mont.
Willamette University, A.B., 1941
- Christerson, John Willis, Corvallis
Oregon State College, B.S., 1946

- Cohen, Rodney Lynn, Seattle, Wash.
University of Washington, B.S., 1944
- Crabill, Robert Philander, Baker
Oregon State College, B.S., 1945
- Cunningham, Lew S., Corvallis
Oregon State College, B.A., 1945
- Earl, Eugene Wide, Seattle, Wash.
University of Oregon, B.S., 1946
- Eaton, Wilma Ruth, Oregon City
Linfield College, B.A., 1944
- Fell Alfred, Portland
Reed College, B.A., 1946
- Fischer, David Armin, Portland
Reed College, B.A., 1946
- Fox, Don, Eugene
Willamette University, B.A., 1946
- Franklin, Richard Wilbur, Pocatello, Idaho
University of Oregon, B.S., 1940
- Frederick, Joseph Paul, Puyallup, Wash.
State College of Washington, B.S., 1940
- Galen, William Philip, Portland
University of Oregon, B.S., 1946
- Gianelli, Thomas Joseph, Tacoma, Wash.
University of Washington, 1941-42
College of Puget Sound, 1942-43
Syracuse University, 1943-44
- Goutley, Edward Wayne, Seattle, Wash.
University of Oregon, B.S., 1948
- Guyer, John Jacob, Portland
Reed College, B.A., 1946
- Havel, Richard Joseph, Seattle, Wash.
Reed College, B.A., 1946
- Heinemann, Harold Eugene, Ritzville, Wash.
Eastern Washington College of Education,
B.A., 1937
- Henderson, Philip Harold, Jr., Longview,
Wash.
University of Washington, B.S., 1945
- Hyde, Albert Marshall, Eugene
University of Oregon, B.S., 1946
- Irvine, Willis James, Portland
University of Oregon, B.S., 1946
- Jepson, Bruce Carl, Lewiston, Idaho
University of Idaho, B.S., 1946
- Johnson, Douglass Sherman, Cottage Grove
Oregon State College, B.S., 1946
- Jones, Warren Lester, Portland
University of Oregon, B.S., 1946
- Kingsley, Buell Chapin, Port Washington,
N. Y.
Dartmouth College, A.B., 1944
- Koelsch, Malone William, Boise, Idaho
University of Oregon, B.S., 1946
- Kuge, Toshiaki, Portland
Oregon State College, B.S., 1941
- Landreth, Eugene Williams, Pendleton
University of Oregon, B.S., 1946
- Larsen, Marion Carolyn, Yakima, Wash.
University of Washington, B.S., 1944
- Lewis, Fred Richard, Poulsbo, Wash.
Reed College, B.A., 1944
- Lyons, Mary Louise, Salt Lake City, Utah
Linfield College, B.A., 1944
- McBride, Paul Patrick, Portland
University of Oregon, B.S., 1946
- McCullough, William Francis, Portland
University of Washington, B.S., 1944
- McLean, Rickard William, Petaluma, Cal.
University of Oregon, B.S., 1946
- Maddock, William Oscar, Seattle, Wash.
University of Oregon Medical School,
M.S., 1947
- Manning, Robert LeRoy, Boise, Idaho
University of Idaho, B.S., 1944
- Martin, Leo Ivan, Washougal, Wash.
Oregon State College, B.A., 1944
- Massar, John Clifton, Mt. Vernon, Wash.
University of Washington, B.S., 1945
- Mueller, Robert Louis, Klamath Falls
University of Oregon, B.S., 1946
- Mundhenk, Alvin Robert, Portland
Linfield College, A.B., 1940
- Nash, George Austin, Portland
University of Oregon, B.S., 1946
- Ovregaard, Arthur Leonard, Caldwell, Idaho
College of Idaho, B.A., 1944
- Pennington, Jack Rhodes, Eugene
University of Oregon, B.S., 1946
- Pritchard, William Christian, Pullman,
Wash.
State College of Washington, B.S., 1946
- Puziss, Irving, Portland
University of Oregon, B.S., 1946
- Renn, Ada Claire, Woodburn
University of Oregon, B.S., 1946
- Robertson, Lewis Campbell, Lakeview
University of Oregon, B.S., 1946
- Robuck, Jesse DeLoach, Seattle, Wash.
University of Oregon, B.S., 1946
- Rogers, Norman Rokeach, Portland
University of Vienne Medical School,
1932-38
- Selling, Ben, Portland
Yale College, B.A., 1944
- Siemens, John Lloyd, Seattle, Wash.
University of Oregon, B.S., 1946
- Smith, Charles Robert, Seattle, Wash.
University of Washington, B.S., 1945
- Stack, Richard Fewer, Portland
Oregon State College, B.S., 1946
- Stack, Roger D., Portland
Oregon State College, B.S., 1946
- Stack, Thomas James, Coos Bay
University of Oregon, B.S., 1946
- Summers, Vernon Lloyd, Portland
Willamette University, B.A., 1945
- Thistlewaite, Edward Albert, Portland
Reed College, B.A., 1946
- Townsend, Lawrence DeWitt, Portland
University of Washington, M.S., 1935
- Trueblood, Samuel Edmund, Oswego
University of Washington, B.S., 1945
- Yand, Clarence Taylor, Seattle, Wash.
University of Washington, B.S., 1944

GRADUATE STUDENTS

- Binkley, Wade E., B.S., Morris, Okla.
- Browning, Charles W., M.D., Portland
- Christensen, Leonard, M.D., Portland
- Everett, Frank G., M.D., Portland
- Gehrsitz, Leta B., B.S., Portland
- Geiser, Patricia B., B.S., Portland
- Hackedorn, Howard M., M.D., Oswego
- Havel, Virginia J., B.A., Portland
- Maloney, James H., B.A., Portland
- Olson, Donald E., M.D., Portland
- Osborne, Doris G., B.S., Beaverton
- Fara, Phyllis M., B.A., Portland
- Peterson, Ruth D., B.S., Portland
- Runkel, William J., M.S., Dutch Flat, Cal.
- Talman, Ellen L., B.A., Portland
- Vidgoff, Ben, M.D., Portland
- Whelan, Mary Jo, B.S., Anaconda, Mont.

SPECIAL STUDENTS AND AUDITORS

- Broun, Evelyn M., Heppner
- Brown, Amy J., Portland
- Garner, Ruby M., Vallejo, Cal.
- Highet, Doris M., Ph.D., Portland
- Holter, Helen E., Portland
- Reiner, Walter C., M.D., Portland
- Sichel, Martin S., M.D., Portland
- Stehlik, Velma E., Cedar Rapids, Iowa

NURSING EDUCATION

ADVANCED NURSING STUDENTS

Baer, Eleanor, Portland
 Bartholome, Marie M., Mazeppa, Minn.
 Beall, Alice J., Portland
 Belleville, Mary A., Portland
 Brennan, Patricia D., Lakegrove
 Case, Helen R., Portland
 Catron, Patricia M., Hillsboro
 Colburn, Helen L., Rainier
 Delk, Julia F., Longmont, Colo.
 Dove, Susan E., Providence, R. I.
 Farmer, Elizabeth R., Hugoton, Kan.
 Frison, Dorothy M., Portland
 Greene, Lurline S., Portland
 Greenwood, Rosemae, Union

Hanna, Ruth Ann, Portland
 Holcomb, Naomi I., Baltimore, Md.
 Kennedy, Frances O., Missoula, Mont.
 Laurence, Virginia D., Woodburn
 Lowy, Margarita B., New York City, N. Y.
 Luttrell, Margaret L., Broadbent
 McDermid, Mary Louise, Chicago, Ill.
 Mattsfield, Violet M., Darwin, Minn.
 Mori, Lenore, Honolulu, Hawaii
 Owens, Theresa, Vaudie, Vancouver, Wash.
 Parker, Lucille S., Portland
 Pittam, Margaret O., Longview, Wash.
 Rice, Aline G., Baltimore, Md.
 Smith, Emily C., Portland
 Trivepiece, Maxine R., Bishop, Cal.

DEGREE STUDENTS

Aberhalden, Elizabeth, Sheridan
 Aebischer, Verla Mae, Newberg
 Andrews, Ruth A., Longview, Wash.
 Artz, Maureen Alice, Huron, S. D.
 Bailey, Alice V., Eugene
 Beevor, Gloria J., Cornelius
 Bellinger, Lucille M., Portland
 Berberet, Margaret K., Portland
 Bly, Lorraine A., Shell Lake, Wis.
 Bower, E. Adele, Burns
 Bozorth, Suzanne J., Eugene
 Browne, Barbara Jean, Nyssa
 Buhler, Elva W., Dallas
 Burruss, Huretta B., Long Beach, Cal.
 Butler, Dessie D., John Day
 Caldwell, Jean M., Newberg
 Campbell, Phoebe Jane, Sewickley, Penn.
 Cappa, Betty Jane, Tacoma, Wash.
 Carlson, Dorothy O., Portland
 Carter, Vada L., Portland
 Cassidy, Anne L., Eugene
 Christensen, Dorothy Mae, McMinnville
 Clark, Norma E., Portland
 Cram, Priscilla F., Portland
 Dombkowski, Helen J., North Gramby, Conn.
 English, Jean O., Toledo
 Erdmann, Mary Ruth, Glenwood
 Everts, Vida Mae, Portland
 Fearn, E. Joyce, Tacoma, Wash.
 Feinberg, Hilda Jean, Portland
 Fitzpatrick, Wilma G., Newport
 Gearhart, Elizabeth Jane, Portland
 Hakanson, Helen M., Oakland
 Happel, Barbara Beth, McMinnville
 Harris, Julia G., Boise, Idaho
 Heikka, Edith E., Longview, Wash.
 Herigstad, Pauline Ann, Silverton
 Hoover, Florence B., Longview, Wash.
 Huffman, Vivienne H., Taft
 Jenks, Delma Mae, Tangent
 Kain, Mary P., Algona, Iowa
 Kauffman, Josephine E., Portland
 Kennedy, Elizabeth J., Vancouver, Wash.

Koch, Frances S., Ashland
 Lee, Margaret Ellen, Eugene
 Lehman, Reba, Portland
 LeValley, Merle V., Portland
 McDaniel, Janice A., Eugene
 Matheny, Mary, Tyler, Tex.
 Meyers, Helen F., Echo
 Miller, Caroline L., Frenchglen
 Mockmore, Regina T., Corvallis
 Motomatsu, Toshiko, Portland
 Niedemeyer, Charlotte Anne, Medford
 Pearson, Carol V., McGill, Nevada
 Plett, Erma E., Portland
 Pollock, Anna R., Baker
 Porter, Betty Jean S., Salem
 Preston, Bettie A., Coquille
 Fukas, Elizabeth N., Portland
 Quint, Jeanne C., San Diego, Cal.
 Richardson, Cathryn F., Portland
 Richardson, Trullis W., Missouri Valley, Iowa
 Rose, Elizabeth E., Hillsboro
 Rusher, Nancy A., Tillamook
 Satchfield, June O., Portland
 Schmidt, Helen, Cornelius
 Schneider, Margaret K., Pocatello, Idaho
 Schou, Beverly Rose, Pocatello, Idaho
 Seagraves, Ann R., Portland
 Setere, Bernice Ann, Vancouver, Wash.
 Siemens, Patricia Jane R., Oswego
 Simonson, Elesa, Albert Lea, Minn.
 Simpson, Margaret B., Portland
 Skillingberg, Marjorie L., Portland
 Smout, Phyllis Mae, Ogden, Utah
 Spangler, Elizabeth V., Eugene
 Sroufe, Anne May, Walton
 Stearns, Patricia L., Portland
 Urban, Lillian Rita, Hingham, Mont.
 Wangsgard, Helen, Ogden, Utah
 Webster, Catherine, Portland
 Welch, Elizabeth Jane, Kelo, Wash.
 West, Mary Kirby, Oakland, Cal.
 Williams, A. Kolene, Carlton

DIPLOMA STUDENTS

Albright, Helen Kay, Marysville, Cal.
 Anderson, Katherine Mary, Portland
 Austin, Olive Jane, Portland
 Baker, Pauline Joan, Rogue River
 Beardslee, Mary Carolyn, Sheridan
 Beers, Louise E., Vancouver, B. C.
 Boardway, Lauren Louise, Portland
 Brinks, Lois G., Denver, Colo.
 Burris, Felita L., Buncombe, Ill.

Clark, Peggy C., Dellwood
 Condit, Janice N., Kelo, Wash.
 Connor, Mary Margaret, Ashland
 Day, Donna J., Portland
 Dichtel, Dorothy Gene, Oregon City
 Durtschi, Hilda C., Portland
 Ferguson, Patricia Ann, Portland
 Fletcher, Violet I., Beaver
 French, Lodema Jean, Forest Grove

Genge, Shirley M., Stockport, England
 Gibson, Grace Ann, Estacada
 Hartse, Donna Mae, Portland
 Hedman, Aileen Joyce, Portland
 Henley, Patricia Ann, Valsetz
 Hill, Marian L., Boise, Idaho
 Holdt, Jane Clare, Portland
 Hoss, Mary Maxwell, Portland
 Huber, Betty Jean, Grants Pass
 Hulsebus, Rhoda L., Corvallis
 Janssen, Mary Lou, Estacada
 Jeans, Alice F., Eugene
 Jefferis, Rebecca J., Eugene
 Jimerson, Fairy Belle, Athens, Tex.
 Johnson, Miriam Lee, Portland
 Jones, Betty Lou, Salem
 Kerns, Dorothea L., Vancouver, Wash.
 Kemmerer, Joanne E., Milwaukie
 Kloepfer, Carma, Rupert, Idaho
 Knapp-Smith, Nancy Carroll, Cherryville
 Knight, Georgia L., Coquille
 Kohlhoff, Gay, Portland
 Leinan, Jewel L., Newberg
 Lewis, Mary Edith, Battle Ground, Wash.
 McKinney, Audrey J., McMinnville
 McMullen, Esther J., The Dalles
 Mason, Esther C., Milwaukie
 Melgreen, Virginia Anklind, Myrtle Creek

Miller, Verna I., Redmond
 Munson, Hazel W., Salem
 Nelson, Constance A., Rathdrum, Idaho
 Nelson, Virginia A., Rathdrum, Idaho
 Osburn, Patricia L., Portland
 Partridge, Mary Irene, Garibaldi
 Peterson, Edith L., Lunds Valley, N. D.
 Post, Charlotte Marie, Salem
 Rankin, Mona, M., Springfield
 Rathjen, Lois June, Salem
 Root, Betty Jean, San Jose, Cal.
 Roth, Carol D., Portland
 Rugg, Beverly G., Pilot Rock
 Russ, Mary Elizabeth, Pueblo, Colo.
 Schaubel, Betty Lou, Sherwood
 Schuman, Beverly Jean, Portland
 Shakespeare, Mary L., Whittier, Iowa
 Snyder, Shirley V., Coquille
 Stapf, Helen May, Baltimore, Md.
 Taylor, Daphne A., Kennewick, Wash.
 Terry, Ardeth Sue Hale, Portland
 Thomason, Dorothy C., Eugene
 Wark, Betty Jean, Pilot Rock
 Watkins, Evalyn Jean, Medford
 Williams, Shirley Mae, McMinnville
 Wilson, Marian E., Portland
 Zimmerman, Lorena G., Scio

PEDIATRIC AFFILIATES

Allen, Gloria E., Pendleton
 Anderson, Bette Jane, Lead, S. D.
 Austin, Jean A., Milwaukie
 Bauer, Irene D., Portland
 Belshaw, Mary Ann, Myrtle Point
 Berry, Margaret J., The Dalles
 Bodrug, Esther Lydia, Saskatoon, Sask.
 Bodrug, Rose D., Saskatoon, Sask.
 Bolen, Ilicie M., Chilliwack, B. C.
 Bridger, Carol E., New Windsor, Ill.
 Buckwater, Ethel Mae, Oshawa, Ont.
 Caskey, Pauline V., Roseburg
 Chestnut, Glenora J., Klamath Falls
 Cook, Elaine M., Gresham
 Craichy, Fran Lenore, Burwell, Neb.
 Dean, Frankye Adair, Astoria
 Dooley, Dorothy L., Dayton
 Fischer, Wanda Jean, Gresham
 Graf, Margery E., Portland
 Hailstone, Iris E., Del Loma, Cal.
 Hamlin, Joyce L., North Bend
 Harding, Bessie May, St. Helens
 Hart, Ada Mae, Odell
 Hawley, Betty Sue, Oakland, Cal.
 Hoadley, Barbara Ann, Salem
 Hodgson, Pearl, Moose Jaw, Sask.
 Homey, Nettie R., Port Coquitlam, B. C.
 Husak, Betty C., Pocatello, Idaho
 Hussett, Olive A., Portland
 Ingram, Jean L., Jefferson City, Mo.
 Johnson, Doris V., Red Deer, Alberta
 Johnson, Fern D., Portland
 Iudd, Lucile E., Coos Bay
 Kendall, Camille H., Lakeside, Cal.
 Keyes, Maxine E., Portland
 Kolbeck, Erla Mae, San Francisco, Cal.

Larson, Kathleen A., Portland
 Luchak, Violet, Vancouver, B. C.
 Mahon, Helen L., Attleboro, Mass.
 Matko, Ann E., New Westminster, Sask.
 Melby, Sigrid E., Portland
 Neuman, Bonnie Jean L., Centralia, Wash.
 Newgard, Lois Jeanne, Portland
 Oveby, Erlene, Portland
 Pease, Evangeline L., Forest Grove
 Peck, Alice L., Portland
 Polk, Ardith Mae, Roseburg
 Puhols, Clara Jean, Hillsboro
 Reitz, Ardat R., Castle Rock, Wash.
 Reitz, Marie H., American Falls, Idaho
 Richards, Jeanne Marie, Toledo
 Robinson, Dolores L., Astoria
 Rogers, Crystal O., Portland
 Sackett, Doris June, Marion
 Schaber, Evelyn, Carbon, Alberta
 Schaffer, Barbara E., Cheyenne, Wyo.
 Schandel, Ruth E., Little Falls, Minn.
 Shaw, Helen A., Hazelridge, Manitoba
 Shuey, Dorothy A., Mill City
 Smith, Almyra Jane, Camas, Wash.
 Stiriland, Deanna, Pocatello, Idaho
 Sweeney, Eileen M., Caltra, Co. Galway, Ireland
 Uhlig, Dorothy Mae, Klamath Falls
 Vecchio, Mary Louise, Salt Lake City, Utah
 Wagner, Betty Jean, Portland
 Wall, Shirley Ann, Kalama, Wash.
 Waterman, Pearl Lorraine, Portland
 Weatherspoon, Hazel C., Elgin
 Werner, Beulah M., Foxes Village, Sask.
 Zaharia, Daisy J., Hamton, Sask.
 Zeller, Carol L., Portland

SPECIAL STUDENTS AND AUDITORS

Amell, Gwendolyn, Portland
 Ames, Ruth R., Chewelah, Wash.
 Beck, Sylvia G., College Place, Wash.
 Borum, Yaunda Mary, Aberdeen, Wash.
 Budrey, Louise, Wilmington, Ohio
 Cales, Alta B., Portland
 Campbell, Bess R., Emmett, Idaho
 Carey, Helen L., Vancouver, Wash.
 Cargill, Norma Alice, Freewater
 Christison, Dorothy Jean, Kerkhoven, Minn.
 Christie, Gladys E., Deloit, Iowa

Colony, Carolyn E., Portland
 Compton, Harriet B., Portland
 Cooper, Barbara M., Sherman Oaks, Cal.
 Danielson, Helen E., Tulare, Cal.
 Daly, Eileen M., Vancouver, Wash.
 Douglas, Lois E., Boise, Idaho
 Doyle, Kathryn E., Vancouver, Wash.
 Dunn, Cecelia E., Seattle, Wash.
 Ehrstrom, Mildred G., Vidalia, La.
 Edblom, Katherine D., Minneapolis, Minn.
 Etchason, Elizabeth Ann, Indianapolis, Ind.

Faraday, Maxine E., Portland
 Forman, Elizabeth E., Portland
 Fowler, Madeline C., Brockville, Ont.
 French, Mary G., Vancouver, Wash.
 Gateley, Georgia R., Harrington, Wash.
 Genovese, Genevieve, Rome, N. Y.
 Gough, Ruth Eleanor, Portland
 Green, Doris E., Vancouver, Wash.
 Greenwood, Mary June, Wemme
 Hann, Dorothy V., Vancouver, Wash.
 Hansen, Dorothy J. Buckman, Portland
 Harmon, Anna Mae D., Williston, N. D.
 Haslam, Marguerite S., Vancouver, Wash.
 Henn, Ruth E., Vancouver, Wash.
 Herr, Margaret J., Hood River
 Hewitt, Carol R., Portland
 Howard, Anne Marie E., Portland
 Ianziti, Mary A., Napa, Cal.
 Johnson, Sybil, Poplarville, Miss.
 Joye, Marjorie Ellen, Auburn, Cal.
 Kingston, Emma L., Portland
 Leach, Shirley A., Vancouver, B. C.
 Leazer, Wilma L., Twin Falls, Idaho
 Lienau, Laura M., Glencoe, Minn.
 Logsdon, Gladys B., Walla Walla, Wash.
 McCamey, Lorene E., Portland
 McDevitt, Vera E., Spokane, Wash.
 Messick, Alta F., Oakley, Kan.
 Monkman, Donna M., Salem
 Mould, Elizabeth E., Portland
 Nordquist, Frances M., Medford
 Noreen, Olga E., Gresham
 Oderman, Renee K., Calis, N. D.
 Parker, Dorothy, Portland
 Person, Bernice M., Cœur d'Alene, Idaho
 Platt, Joyce A., Vancouver, Wash.
 Reed, Constance C., Silverton
 Richard, Lena, Dover, Ohio
 Richter, Roberta L., Portland
 Riley, Anne D., Santa Fe, N. M.
 Roberta, Edith G., Portland
 Robinson, Lois K., Salem
 Rooth, Cora W., Portland
 Sandy, Hazel V., McMinnville
 Schuier, John S., Portland
 Schwach, Jeannette S., Oregon City
 Slagel, Annie L., Vancouver, Wash.
 Starr, Jessie Lucile, Portland
 Taylor, Ruth Fletcher, Portland
 Thronsdon, Gertrude A., Portland
 Tracy, Juanita C., Baker
 Tratnik, Agnes J., Aeneas, Wash.
 Tucker, Wanda F., Imbler
 Turner, Mildred J., Portland
 Unternahrer, Mary Jane, Bonners Ferry, Idaho
 Unterreiner, Ann I., Seventy-Six, Mo.
 Utz, Sarah W., Portland
 Vreeland, Johanna R., Portland

Enrollment, Summer, 1947

MEDICINE

GRADUATE STUDENTS

Browning, Charles W., M.D., Portland
 Christensen, Leonard, M.D., Portland
 Cunningham, Lew S., B.A., Corvallis
 Everett, Frank G., M.D., Portland
 Gilmer, Graham, Jr., B.A., Lynchburg, Va.
 Hackedorn, Howard M., M.D., Oswego
 Hanson, Leonard B., B.S., Newberg
 Hill, Robert V., M.D., Portland
 Jungck, Edwin C., M.S., Portland
 Maddock, William O., M.S., Seattle, Wash.
 Olson, Donald E., M.D., Portland
 Rosenbaum, Herbert E., B.S., Sterling, Colo.
 Talman, Ellen L., B.A., Portland
 Vidgoff, Ben, M.D., Portland
 Whitlock, David G., B.S., Portland

NURSING EDUCATION

ADVANCED-NURSING STUDENTS

Albee, Naomi I., Buffalo, N. Y.
 Belleville, Mary A., Portland
 Catron, Patricia M., Hillsboro
 Cole, Mary B., Needham, Mass.
 Coulter, Faye G., Boise, Idaho
 Delk, Julia F., Longmont, Colo.
 Foster, Ella A., Portland
 Gavin, Margaret M., Oakland, Cal.
 Henderson, Helen M., Poplar Bluff, Mo.
 Indseth, Anna M., Portland
 McLeod, Dorothy E., Kelso, Wash.
 Melka, Mary Louise, Palo Alto, Cal.
 Pittam, Margaret O., Longview, Wash.
 Smout, Phyllis M., Ogden, Utah
 Wangsgard, Helen, Ogden, Utah

DEGREE STUDENTS

Abderhalden, Elizabeth, Sheridan
 Andrews, Ruth A., Longview, Wash.
 Beevor, Gloria D., Cornelius
 Bellinger, Lucille M., Portland
 Birch, Mae L., Southgate, Cal.
 Bodeker, Betty Jean, Lyons
 Bozorth, Suzanne J., Eugene
 Browne, Barbara Jean, Nyssa
 Buhler, Elva W., Dallas
 Burruss, Huretta B., Waterloo, Iowa
 Caldwell, Jean M., Newberg
 Campbell, Phoebe Jane, Sewickley, Penn.
 Carter, Vada L., Portland
 Cassidy, Anne L., Eugene
 Chase, Genevieve I., Long Beach, Cal.
 Clark, Jean E., Dayton
 Clark, Norma E., Sumner
 Conner, Evelyn H., Portland
 Corum, Helen May, Silverlake
 Cox, Marie Jean, Bend
 Douglas, Lois E., Boise, Idaho
 Everts, Vida M., Portland
 Farmer, Elizabeth R., Hugoton, Kan.
 Fearn, E. Joyce, Tacoma, Wash.

Fisher, Helen M., Portland
 Forbes, Ruth E., Puyallup, Wash.
 Gattens, Aline Margaret, Baltimore, Md.
Gearhart, Elizabeth Jane, Portland
 Hakanson, Helen M., Oakland
 Happel, Barbara B., McMinnville
 Harris, Julia G., Boise, Idaho
 Harvey, Helen R., Bucyrus, Ohio
 Heikka, Edith E., Longview, Wash.
 Hendricksen, Lorna V. M., Portland
 Herigstad, Pauline Ann, Silverton
 Hermanson, Vivienne A., Taft
 Hiatt, Barbara G., Lakeview
 Hoover, Florence B., Longview, Wash.
 Jenks, Delma Mae, Tangent
 Kain, Mary Pauline, Algona, Iowa
 Koch, Frances S., Ashland
 Kohles, Joan E., Twin Falls, Idaho
 Lee, Margaret Ellen, Eugene
 Lehman, Reba F., Portland
 LeValley, Merle V., Portland

Libby, Alice R., Albany
 Macke, Betty Lou, Shelton, Wash.
 Meyers, Helen F., Echo
 Miller, Helen L., Omaha, Neb.
 Moekmore, Regina T., Corvallis
 Norton, Mabel T., Portland
 Parker, Lucille, Portland
 Pearson, Carol Virginia, McGill, Nev.
 Plett, Erma E., Hood River
 Porter, Betty S., Salem
 Pukas, Elizabeth N., Portland
 Richardson, Cathryn F., Portland
 Richardson, Trullis W., Missouri Valley,
 Iowa
 Rush, Patricia Jane, Oswego
 Schmidt, Helen, Cornelius
 Setere, Bernice Ann, Vancouver, Wash.
 Simonson, Eleasa, Albert Lea, Minn.
 Sroufe, Anna May, Walton
 Stearns, Patricia Lee, Portland
 Stout, Marjorie O., Portland

DIPLOMA STUDENTS

Anderson, K. Mary, Portland
 Anklin, Virginia J., Independence
 Barrington, Bonnie L., Ophir
 Beardslee, Mary C., Sheridan
 Bestwick, Eleanor M., Alberton, Mont.
 Boardway, L. Louise, Portland
 Burris, Felita L., Cobden, Ill.
 Butler, Bette L., Portland
 Clark, Peggy C., Dellwood
 Day, Donna Jean, Portland
Ferguson, Patricia Ann, Portland
 Fletcher, Violet L., Beaver
 French, Lodema J., Forest Grove
 Hale, Ardeth T., Portland
 Harise, Donna M., Portland
 Henley, Patricia Ann, Portland
 Holdt, Jane Clare, Portland
 Hoss, Mary M., Portland
 Huber, Bettey Jean, Portland
 Hulsebus, Rhoda L., Corvallis
 Jannsen, Mary Lou, Estacada
 Jeans, Alice Frances, Eugene
 Johnson, Miriam L., Portland
 Jones, Betty Lou, Salem

Knight, Georgia L., Coquille
 Kohlhoff, Gay, Portland
 Lerno, Bonnie I., Silverton
 Lewis, Mary Edith, Battle Ground, Wash.
 Lillison, Doris Ann, Tigard
 Mason, Esther C., Corvallis
 McKinney, Audrey June, McMinnville
 Miller, Verna I., Redmond
 Mooers, Alice A., Cathlamet, Wash.
 Nelson, Constance A., Rathdrum, Idaho
 Nelson, Virginia A., Rathdrum, Idaho
 Rankin, Ramona M., Springfield
 Roges, LaVonne C., Portland
 Root, Betty Jean, San Jose, Cal.
 Roth, Carol D., Portland
 Rugg, Beverly G., Pilot Rock
 Schaubel, Betty Lou, Sherwood
 Schuman, Beverly Jean, Portland
 Snyder, Shirley V., Coquille
 Stapf, Helen May, Baltimore, Md.
 Wark, Betty Jean, Pilot Rock
 Watkins, Evalyn J., Medford
 Williams, Shirley M., McMinnville
 Zimmerman, Lorena G., Scio

PEDIATRIC AFFILIATES

Babbitt, Arlene L., Yakima, Wash.
 Baltz, Charollette Mae, Portland
 Berg, Laura Ellen, Milltown, Mont.
 Bissinger, Elf Eldrid, Enterprise
 Bold, Ruth L., Vancouver, Wash.
 Brandenburg, Viola Ann, Portland
 Brant, Catherine P., Portland
 Brath, Ellen R., Portland
 Carpenter, Bonnie Jean, Metzger
 Cobb, Etha Belle, Castle Rock, Wash.
 Cole, Phyllis L., North Bonneville, Wash.
 Dalke, Irene M., Salem
 DeCoursey, Cassie Anne, Grass Valley
 Dyer, Phyllis A., Fossil
 Everson, Mary Alice, Eugene
 Glenn, Lois I., Happy Camp, Cal.
 Helvig, Alice C., Salem

Huber, Helen Anne, College Place, Wash.
 Jones, Corinne M., Cottage Grove
 Kennedy, Cleone Selma, Astoria
 Kiefer, Clara, Blackfoot, Idaho
 Medley, Betty June, Medford
 Neal, Ava Marion, The Dalles
 Penegor, Shirley Jean, Portland
 Remly, Ruth A., Milwaukie
 Roberts, Roberta N., Salem
 Ryman, Anna Mae, Bend
 Shelton, Pearl, Tulare, Cal.
 Taylor, Eileen G., Portland
 Walker, Marilyn L., Beaverton
 White, Margaret I., Duncan, B. C.
 Williams, Barbara Jane, Long Beach, Cal.
 Wilson, Opal M., Stanfield
 Younglund, Alice Marie, New Raymer, Colo.

SPECIAL STUDENTS AND AUDITORS

Castlio, Margaret, Portland
 Denton, Martha S., Portland
 Haines, Ruth Ellen, San Jose, Cal.

Richter, Roberta L., Portland
 Scoles, Beryl J., Grand Canyon, Ariz.
 Watts, Barbara R., Oregon City
 Webster, Catherine, Portland

Summary of Enrollment and Degrees, 1947-48

SUMMARY OF ENROLLMENT, MEDICINE, 1947-48

Class	Men	Women	Total
First year	73	5	78
Second year	57	8	65
Third year	54	5	59
Fourth year	63	5	68
Total, regular students	247	23	270
Graduates	9	8	17
Specials and auditors	2	6	8
Total	258	37	295

SUMMARY OF ENROLLMENT, NURSING EDUCATION, 1947-48

Diploma students	73
Degree students	85
Advanced certificate students	29
Pediatric affiliates	71
Special students	80
Total	338

SUMMARY OF ENROLLMENT, SUMMER 1947

Medicine graduates	15
Nursing Education	
Diploma students	48
Degree students	65
Advanced certificate students	15
Pediatric affiliates	34
Special students	7
Total, nursing education	169

SUMMARY OF DEGREES AND CERTIFICATES GRANTED, 1947-48

Medicine*	
Doctor of Medicine	65
Doctor of Philosophy	2
Master of Science	7
Nursing Education†	
Bachelor of Science	55
Certificate in Public Health Nursing	30

†Does not include Registered Nurse Certificates granted by the hospital schools.

*Does not include bachelor's degrees granted by the University, the State College, or other institutions to students completing their undergraduate work at the Medical School.

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