

Oregon State System
of Higher Education
BULLETIN

University of Oregon
Medical School

P O R T L A N D ● O R E G O N

CATALOG
I S S U E
1949-50

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

No. 212

July 30, 1949

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University of Oregon Medical School

**CATALOG
ISSUE
1949-50**



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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ACADEMIC CALENDAR

September 1949

S	M	T	W	T	F	S
				1	2	3
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October 1949

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November 1949

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December 1949

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January 1950

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February 1950

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March 1950

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Fall Term, 1949-50

October 1, *Saturday*.....Examinations for
removal of deficiencies

October 3, *Monday*.....Registration

October 4, *Tuesday*.....Instruction begins

November 24, *Thursday*.....Thanksgiving Day,
holiday

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

December 23 to January 2, *Friday*
through *Monday*.....Christmas recess

Winter Term, 1949-50

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

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

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

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

March 19 to 26, *Sunday* through
Sunday.....Spring recess

Spring Term, 1949-50

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

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

June 14, *Wednesday*.....Commencement Convocation for Department of Nursing Education

June 16, *Friday*.....Commencement for
Medical School

June 16, *Friday*.....Spring term ends

Summer Term, 1950

**June 26, *Monday*.....Registration for nursing
and graduate students**

June 27, Tuesday.....Instruction begins

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

September 4, *Monday*.....Labor Day, holiday

September 9, *Saturday*.....Summer term ends

April 1950

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May 1950

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June 1950

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July 1950

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August 1950

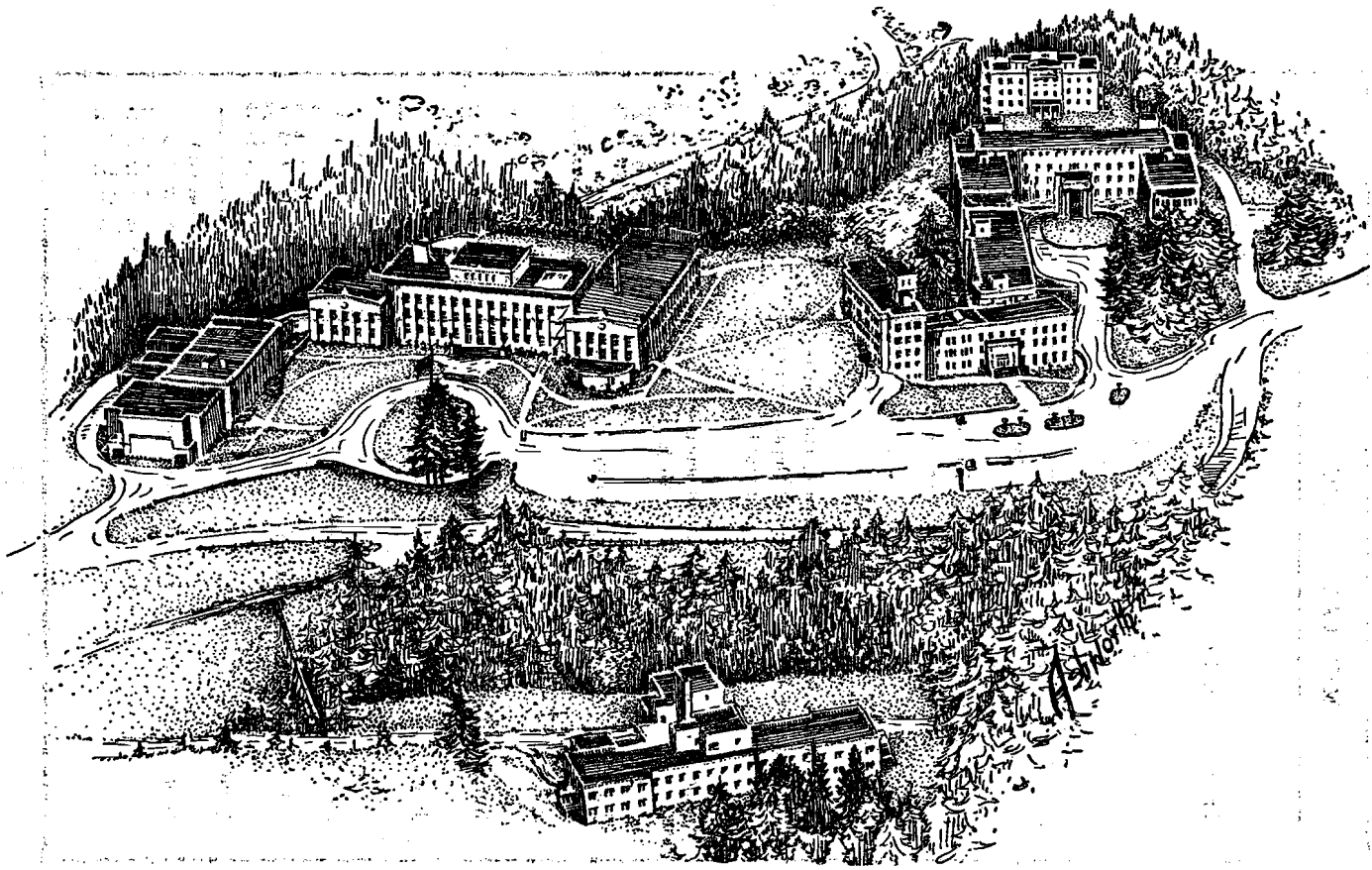
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September 1950

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October 1950

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22	23	24	25	26	27	28
29	30	31				



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

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WILLIAM Y. BURTON, M.D., Radiologist.
RAYMOND D. GRONDAHL, M.D., Director of Clinical Laboratories.
WARREN C. HUNTER, M.D., Pathologist.
ARTHUR C. JONES, M.D., Chief of Physical Medicine.

DOROTHY ELSTON, B.S., R.N., Surgery Supervisor.
ZOLA BOYD, B.S., Dietician.
EVELYN JORDON BARTON, R.N., Night Supervisor.
ELEANOR LUTTRELL, B.S., R.N., Supervisor.
RUTH REMLY, R.N., Evening Supervisor.
AGNES BARRY, B.S., R.N., Head Nurse.
ESTHER KELLY, R.N., Head Nurse.
JEWEL NEUENFELDT, B.S., R.N., Head Nurse.

GENERAL OUTPATIENT UNIT

CHARLES N. HOLMAN, M.D., Medical Director and Administrator.
GWYNN C. BRICE, Administrative Assistant.
WILLIAM Y. BURTON, M.D., Radiologist.
HILDA E. DRUM, R.T., Chief X-ray Technician.
RAYMOND D. GRONDAHL, M.D., Director of Clinical Laboratories.
MARY ELIZABETH BAPTIST, B.A., M.T., Chief Laboratory Technician.
WARREN C. HUNTER, M.D., Pathologist.
ARTHUR C. JONES, M.D., Chief of Physical Medicine.
L. BERNICE CARR, R.N., Physical Therapist.
GRACE A. BLACK, B.S., R.N., Occupational Therapist.
FREDERICK P. HAUGEN, M.D., Anaesthesiologist.
MARIAN W. PARSELL, R.N., Director of Nursing Service.
MILDRED BERGHEIM, M.A., Supervisor of Social Service.
JAMES C. SHIRLEY, Ph.G., Pharmacist.
MARJORIE MERRICK, B.S., Admitting Officer.
LAURA MARTIN, R.N., R.R.L., Record Librarian.
ANNABEL RICKARD, B.S., Dietician.

MULTNOMAH HOSPITAL UNIT

CHARLES N. HOLMAN, M.D., Medical Director.
VERDA MITCHELL, B.S., R.N., Director of Nursing.
HYACINTH MCBRIDE, Secretary.

WILLIAM Y. BURTON, M.D., Radiologist.
RAYMOND D. GRONDAHL, M.D., Director of Clinical Laboratories.
WARREN C. HUNTER, M.D., Pathologist.

FREDERICK P. HAUGEN, M.D., Anaesthesiologist.
 ARTHUR C. JONES, M.D., Chief of Physical Medicine.

VERNA JOHNSON, R.N., Office Supervisor.
 VIRGINIA LEE, 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., Dietician.
 OLIVIA SCHEFOLD, Housekeeper.
 HENRY L. DOENEKA, Chief Engineer.
 ROBERT MARKEE, Laundry Manager.
 NORRIS ROGERS, Ph.G., Pharmacist.

DOROTHY ANDERSON, B.S., R.N., Head Nurse.
 STELLA BOECK, B.S., R.N., Head Nurse.
 RUTH FOSS, R.N., Head Nurse.
 MARY ANN HAWKINS, B.S., R.N., Head Nurse.
 BETTY HAY, R.N., Head Nurse.
 DOROTHY M. ROBLEE, R.N., Head Nurse.
 HELEN STAPP, 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., Associate Professor of Urology.
 HAROLD J. NOYES, D.D.S., M.D., Clinical Professor of Dental Medicine.

NANCY RICHARDS, B.S., R.N., Surgery Supervisor.
 MARY JONES, B.S., Dietician.
 JAMES C. SHIRLEY, Ph.G., Pharmacist.
 ALICE DAVIES, B.S., R.N., Evening Supervisor.
 DOREEN ERIKSON, B.S., R.N., Supervisor.

NELLIE WHIPPLE, R.N., Night Supervisor.
ERMA L. KLENK, R.N., Head Nurse.
ETHA MORRIS, B.S., R.N., Head Nurse.
WALTON O. HARRISON, Engineer.

VISITING PHYSICIAN'S SERVICE

RANDALL WHITE, M.D., Multnomah County Physician.
HERMAN L. ARMENTROUT, M.D., Physician.
HAROLD DOBBIN, M.D., Physician.
ANTON D. ELMER, M.D., Physician.
DELMAR J. MOLENKAMP, M.D., Physician.
VICTOR PIESTRAK, M.D., Physician.

CHILD PSYCHIATRY AND STATE EXTENSION SERVICES

CHARLES BRADLEY, M.D., Associate Professor of Psychiatry and Pediatrics;
Director.
HERMAN A. DICKEL, M.D., Assistant Clinical Professor of Psychiatry.
GERHARD B. HAUGEN, M.D., Assistant Clinical Professor of Psychiatry.
ROBERT A. COEN, M.D., Clinical Instructor in Psychiatry.
HARLAN P. McNUTT, Jr., M.D., Clinical Instructor in Psychiatry.
ESSENE H. JOSEPH, M.A., Clinical Psychologist.
DOROTHY BERGSTROM, B.S., Secretary.

CRIPPLED CHILDREN'S DIVISION

PAUL G. HAFNER, M.A., M.D., Director.
ALYCE BLOOM, B.S., R.N., Orthopaedic Nursing Consultant.
OLGA CURTIS, R.N., Orthopaedic Nursing Consultant.
JENNIE JACKSON, B.S., R.N., R.P.T.T., Orthopaedic Nursing Consultant.
MILDRED IVERSON, M.A., Medical Social Work Consultant.
F. ELIZABETH GILFOY, B.S., R.P.T.T., Physical Therapist.
MARY E. SNOOK, B.S., R.P.T.T., Physical Therapist.
MARGARET NARY, Accountant.
GERTRUDE LISTER, Secretary.
MARY BARTON, Escort Worker.

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 416,000), 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, given by 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.

The Laboratory and Administration Building (1949) was financed through a state appropriation of \$663,000. The building, located between the Doernbecher Hospital and the Medical Science Building, provides additional facilities for the basic science departments, together with administrative offices for the Medical School.

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 Multnomah Hospital, opened in 1923, is a 275-bed charity hospital, with facilities for general medical, surgical, and obstetrical patients.

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 medicine (physical therapy and occupational 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 1,100 autopsies are performed a year.

Library

THE Medical School Library contains more than 44,000 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) In general, no fines are assessed for failure to return seven-day or two-week books promptly; but a maximum fine of \$1.00 a day may be imposed in special cases, at the discretion of the librarian, for failure to return books urgently needed.

(2) For failure to return reserve books when due, the following fines are assessed: 25 cents for the first hour; 5 cents for each additional hour or fraction thereof. The maximum fine is \$5.00.

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

(4) For lost books, the borrower is charged the list price, plus the amount of fines incurred up to the time the book is reported missing, and plus a service charge of 50 cents.

(5) When a book, which has been reported lost and has been paid for by the borrower, is returned before a replacement has been ordered, a refund equal to the list price of the book is made. When replacements have been purchased for lost books, refunds may or may not be made, at the discretion of the librarian.

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 60 appointments. Residency training follows one year of internship, and consists of two, three, or four years of study 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 syphilology, experimental medicine, general practice, internal medicine, obstetrics and gynecology, neurological surgery, ophthalmology, orthopaedic surgery, otolaryngology, pathology, pediatrics, radiology, general surgery, thoracic surgery, and urology.

The following Portland hospitals cooperate 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. The fee is \$50.00 a month.

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 138 term hours (92 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 accepted toward meeting the minimum requirements in biology. Students electing additional work are advised to take courses in embryology, vertebrate anatomy, histological technique, or general physiology.

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

The work in mathematics should be of standard college grade, and 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 of 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

FEES 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

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.

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.	
Graduation fee.....	\$ 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.	
Graduate qualifying-examination fee.....	\$ 1.00 to \$10.00

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

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.

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 Clayson Pohl. The original gift has been supplemented by additional annual donations from Dr. Lovejoy, which have increased the endowment to about \$21,500. 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 are 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 of the State Board of Higher Education awards annually a limited number of scholarships to students in the institutions of the State System who are residents of Oregon, 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 made 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 Lipschutz Memorial Essay Award. An award of \$50 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 purpose 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.

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 Mrs. John E. Weeks and the late Dr. 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.

The Thomas M. Joyce Memorial Fund (1947) was established by friends as a memorial to the late Dr. Thomas M. Joyce. The principal at present amounts to approximately \$16,000. The annual income is utilized to aid in the training of a fellow in surgery.

The Don McGraw Research Fund (1948) was established through a gift of \$5,000 from Mrs. Don McGraw and a gift of \$1,000 from Aubrey R. Watzek. The fund will be used to support research in cardiovascular disease and related disorders.

The Watzek Ophthalmology Research Fund (1948) was established through a gift of \$1,000 from Aubrey R. Watzek; it will be used to finance preliminary work in new research projects in ophthalmology.

The Byron and Johanne Dorsey Endowment Fund (1949) was established through a gift of \$18,000; the income will be devoted to research on cancer.

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 1949-50 are:

DR. RUSSELL H. KAUFMAN, Portland.....	President
DR. RODERICK BEGG, Portland.....	Vice-President
DR. DAVID MASON, San Francisco.....	Vice-President
DR. PAUL R. VOGT, The Dalles.....	Vice-President
DR. NEIL F. BLACK, Klamath Falls.....	Vice-President
DR. HOMER P. RUSH, 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 premedical studies 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 4,587 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	Total	
An 411, 412, 413.....Anatomy.....	77	264	...	341	15
An 414, 415.....Microanatomy.....	55	165	...	220	10
An 511.....Neurology.....	22	66	...	88	4
BCh 411, 412.....Biochemistry.....	77	165	...	242	12
Phy 411.....Physiology.....	55	99	...	154	8
Med 411, 412, 413.....Introduction to Clinical Medicine.....	33	...	...	33	3
PH 411.....Statistical Methods.....	11	33	...	44	2
Mil 411, 412, 413.....Military.....	33	...	...	33	3
	363	792	...	1,155	57

Second Year

	Aggregate hours			Term hours
	Lecture	Lab.	Clinic	
Bac 413, 414..... Med. Microbiology & Immunology.....	66	132	....	198
Pth 511, 512..... Pathology.....	66	132	....	198
Phe 511, 512..... Pharmacology.....	17	66	....	143
Phy 412..... Physiology.....	44	66	....	110
Med 612, 613, 614. Medicine (Phys. Diag.).....	66	....	66	132
Med 511..... Medicine (Lab. Diag.).....	33	66	....	99
Ps 611..... Neuropathology and Psychopathology.....	11	....	....	11
PH 512..... Epidemiology.....	33	33	....	66
Sur 610, 611..... Introduction to Surgery.....	22	....	....	22
Sur 612..... Healing Processes.....	11	....	....	11
Mil 414, 415, 416... Military.....	33	....	....	33
	462	495	66	1,023
				60

Third Year

PATHOLOGY:				
Pth 514..... Gynecological and Obstetrical Pathology.....	11	22	....	33
Pth 515..... Laboratory Neuropathology.....	11	22	....	33
MEDICINE:				
Med 617, 618, 619. Clerkships.....	....	....	132	132
Med 620, 621, 622. Medical Clinic.....	....	....	33	33
Med 665, 666, 667. Medical Ward Rounds.....	....	....	33	33
Med 668, 669, 670. Practice of Medicine.....	198	....	....	198
Ps 613, 614..... Psychopathology.....	22	....	....	22
Der 611, 612, 613... Dermatology and Spyh. Clinic.....	....	....	33	33
RADIOLOGY:				
Rad 611, 612, 613... Radiographic Diagnosis.....	33	....	....	33
PUBLIC HEALTH AND PREVENTIVE MEDICINE:				
PH 511..... Principles of Public Health.....	33	....	....	33
DENTAL AND ORAL MEDICINE:				
DM 612..... Dent. Facial Growth and Oral Path.....	11	....	....	11
SURGERY:				
Sur 613, 614..... Minor Surgery.....	22	....	....	22
Sur 615..... Physiotherapy.....	11	....	....	11
Sur 640, 641, 642... Clerkships.....	....	....	66	66
Sur 643, 644, 645... Surg. Clinics.....	....	....	66	66
Sur 646, 647, 648... Clerkship Clinic.....	33	....	....	33
Sur 649..... Operative Surgery.....	22	....	....	22
Sur 661, 662..... Anaesthesia.....	22	....	....	22
Orp 611..... Orthopaedics.....	22	....	....	22
Orp 612, 613..... Surgery of Extremities.....	....	....	44	44
OPHTH., OTOL., RHIN., LARYN.:				
Eye 611..... Ophth. Lectures.....	11	....	....	11
Ent 611..... O. R. and L. Lectures.....	11	....	....	11
UROLOGY:				
Ur 611..... Lectures.....	11	....	....	11
OBSTETRICS:				
Obs 611..... Intro. Lect. and Demon.....	22	....	....	22
Obs 612..... Lect. and Demon.....	22	....	....	22
Obs 613..... Path. Preg., Labor and Puerp.....	22	....	....	22
Obs 614..... Five days' service in hospital.....	....	....	11	11
Obs 615..... Manikin.....	22	....	....	22
GYNECOLOGY:				
Gyn 611..... Lectures.....	22	....	....	22
Gyn 612..... Lectures.....	22	....	....	22
Gyn 613..... Clerkships.....	....	....	33	33

		Aggregate hours			Term hours	
		Lecture	Lab.	Clinic		Total
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
		671	44	495	1,210	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, & 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	½
Med 661.....Medical Economics.....	11	....	....	11	½
Med 664.....Tuberculosis Clerkship.....	5½	....	....	5½	½
Med 671.....Occupational Med. and Toxicology.....	11	....	....	11	½
Med 672, 673, 674...Medical Clinics.....	....	....	33	33	1½
Med 678, 679.....Tropical Medicine.....	22	....	....	22	1
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.....	....	....	5½	5½	½

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.....	....	....	11	11	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	1,050½	1,199	57

RECAPITULATION

	Aggregate hours			Term hours
	Lecture	Laboratory	Clinic	
First year.....	363	792	---	1,155
Second year.....	462	495	66	1,023
Third year.....	671	44	495	1,210
Fourth year.....	137½	11	1,050½	1,199
	1,633½	1,342	1,611½	4,587
				248½

PRESCRIBED WORK BY DEPARTMENTS

Preclinical

	Aggregate hours
Anatomy	649
Bacteriology	198
Biochemistry	242
Physiology	264
Pharmacology	143
Pathology	198
Military Science	66
Total hours, preclinical	1,760

Clinical

Pathology	187
Medicine:	
General Medicine (including Preventive Medicine)	1,083½
Nervous and Mental Diseases	33
Psychiatry	66
Dermatology and Syphilology	71½
Radiology	33
Medical Jurisprudence	11
Medical Economics	11
Public Health	143
Dental Medicine	11
Surgery:	
General Surgery	418
Orthopaedics	99
Ophthalmology	55
Otology, Rhinology, Laryngology	55
Urology	66
Gynecology	110
Obstetrics	209
Pediatrics	165
Total hours, clinical	2,827
Total hours, prescribed work	4,587

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.
- 503. Thesis.
- 505. Reading and Conference.
- 507. Seminar.

Basic Science Departments

ANATOMY

Required Courses

First Year

- An 411, 412, 413. **Gross Anatomy.** 5 hours fall, 7 hours winter, 3 hours spring.
Fall: lectures and quizzes, 2 hours; laboratory, 9 hours. Winter: lectures and quizzes, 3 hours; laboratory, 12 hours. Spring: lectures and quizzes, 2 hours; laboratory, 3 hours. 341 hours. Drs. Pearson, Stotler, Warrington, 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, Stotler, Tunturi, and assistants.

Elective Courses

- An 416. **Microscope Technique.** 2 hours spring.
Limited to 8 students. Registration only after consultation with instructor. Laboratory 6 hours; 66 hours. Dr. Larsell and Mrs. Sceats.
- 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. Warrington and assistants.

BACTERIOLOGY

Required Courses

Second Year

Bac 413, 414. **Medical Microbiology and Immunology.** 5 hours each term, fall and winter.

Lectures and recitations, 3 hours each term; laboratory, 6 hours each term; 198 hours. Drs. Sears, Frisch, and Veazie, and Miss Brownlee.

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.** 5 hours fall.

Study of prepared slides supplemented by experiments; fresh and museum specimens; kodachrome slides and scopicon orientation. Lectures and recitations, 3 hours; laboratory, 6 hours; 99 hours. Drs. Hunter, Sneed, or Johnson.

Pth 512. General Pathology. 5 hours winter.

Lectures, 3 hours; laboratory, 6 hours; 99 hours. Drs. Hunter, Sneed, or Johnston.

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. Drs. Hunter, Queen, 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 Systematic 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.** 4 hours winter.
Lectures and quizzes, 3 hours; laboratory, 3 hours; 66 hours. Drs. David and Dickinson.
- Phc 512. **Systematic Pharmacology and Pharmacodynamics.** 5 hours spring.
Lectures and quizzes, 4 hours; laboratory, 3 hours; 77 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 411. **Human Physiology.** 8 hours spring.
Introductory general physiology, digestive tract, endocrine glands, renal

physiology, and circulation. Lectures, 5 hours; laboratory, 9 hours; 154 hours. Drs. Youmans, Griswold, and Peterson, and assistants.

Second Year

Phy 412. Human Physiology. 6 hours fall.

Respiratory system, nervous system, and senses. Lectures, 4 hours; laboratory, 6 hours; 110 hours. Drs. Youmans, Griswold, 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.

Dr. Youmans.

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

Dr. Youmans.

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 Smith.

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—THIRTEEN—MEDIC CATALOG—29672....

ation, 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. Veterans may take a clinical clerkship at the nearest Army general hospital in lieu of regular camp. While in attendance at camp, students receive the pay of recruits 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 \$513 is now paid during the period of the advanced course. Additional allowances are contemplated but will require Congressional action. Lieutenant Colonel Smith.

Clinical Departments

MEDICINE

INTERNAL MEDICINE

Required Courses

First Year

Med 411, 412, 413. Introduction to Clinical Medicine. 1 hour each term.

An introductory course, consisting of lectures and clinical demonstrations to orient the student in medicine and correlate the basic sciences with clinical problems. Lecture, 1 hour; 33 hours. Drs. Lewis and Livingston.

Second Year

Med 511. Laboratory Diagnosis. 5 hours spring.

Lectures, 3 hours; laboratory, 6 hours; 99 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, Kulasavage, 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, Field, Gilmore, Krygier, Lodmell, McCutchan, Joseph Miller, Robert Miller, Paquet, Pierson, Schwartz, Philip Selling, and Welch.

Med 620, 621, 622. Medical Clinic. 1 hour each term.

Multnomah Hospital. One hour throughout the year, in sections; 33 hours. Drs. Forster, 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, Dow, Fitzgibbon, Heller, Holcomb, Hollenbeck, Labby, Long, Moore, Osgood, Riddle, Rush, 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, Alleman, Bergman, Cohen, Haney, Harding, Horenstein, Kulasavage, Lindgren, Long, Malbin, Mathews, Nudelman, Olsen, Peterson, Robins, Rosenbaum, Saward, Scott, Philip Selling, Taylor, Vidgoff, and Voth.

Med 627, 628, 629. Medical Clinic. $\frac{1}{2}$ hour each term.

Tuberculosis Hospital. Diseases of the chest. One hour throughout the year; 33 hours. Drs. Conklin, Speros, and Tuhy.

Med 635. Tuberculosis Clinic. 1 hour, one section each term.

Outpatient Clinic. Four hours a week for $5\frac{1}{2}$ 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.

Out patient 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, 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, and Rodgers.
- 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 Tuhy.
- 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, Baker, Gilmore, 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.** $\frac{1}{2}$ hour any term.
(Fourth year.) 11 hours. Limited to 4 students. Dr. Speros.
- Med 659. Electrocardiography.** $\frac{1}{2}$ 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.** $\frac{1}{2}$ 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, Dickel and Haugen.

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. Coen, 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. Coen, Dickel, Dixon, and Haugen.

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, symptomology, 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, Ray, and Saunders.

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

One hour a week for 5½ weeks; 5½ 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, and Raines.

Elective Course

Rad 614. **Radiographic Technique.** $\frac{1}{2}$ 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 Courses

First Year

PH 411. **Statistical Methods as Applied to Medicine.** 2 hours spring.

Introduction to the principles of medical statistics, with reference to analysis of vital statistics and to statistical analytical methods in all branches of medicine. Lecture, 1 hour; laboratory, 3 hours; 44 hours. Drs. Weinzirl, Hopkins, and staff.

Second Year

PH 512. **Epidemiology.** 1 hour winter.

Clinical and epidemiologic aspects of communicable diseases. Correlated with bacteriology. Lecture and recitation, 1 hour; 11 hours. Dr. Weinzirl.

PH 513. **Epidemiology.** 3 hours spring.

Principles of epidemiology illustrated by clinical and epidemiologic aspects of common communicable and other diseases. Lectures and recitations, 2 hours; laboratory or clinic, 3 hours; 55 hours. Dr. Weinzirl and staff.

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 of dentition; the nature and systematic 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, 611. **Introduction to Surgery.** 1 hour each term, winter and spring.
Designed to give the student an appreciation of surgery, the history of its achievements and its limitations, the principles underlying surgical techniques, and the application of the basic sciences to surgical practice. Lectures, 2 hours; 22 hours. Dr. Livingston.

Sur 612. **Healing Processes.** 1 hour spring:
The reaction of soft parts, and bone to injury, infection, and tumors; the principles of surgical treatment. Lecture, 1 hour; 11 hours. Dr. Wiley.

Third Year

Sur 613, 614. **Minor Surgery.** 1 hour each term, fall and winter.

Lectures and demonstrations concerning minor surgical conditions and their treatment. Lectures, 2 hours; 22 hours. Drs. Nisbet, Higginson, and Johnsrud.

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. Brunkow, Buckley, Canaparoli, Clisby, Coffey, Davis, Diack, Edelson, Guiss, Johnsrud, Kelsey, K. Livingston, Nadal, Packard, Reiner, and Swinney.

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. Gardiner, Hand, Howard, O. N. Jones, Kelsey, McKelvey, McKirdie, Martzloff, Nadal, Raaf, Roberts, Rosenblatt, and Smith.

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. Canaparoli, Clisby, Coffey, Diack, Edelson, Guiss, Higginson, Johnsrud, Kelsey, Kloos, K. Livingston, Lockitch, McKirdie, Nadal, Nichols, Nisbet, Packard, Reiner, Ross, Swinney, and Tinker.

Sur 620, 621, 622. **Surgical Conference.** ½ hour each term.

One hour a week throughout the year, in sections; 33 hours. Drs. Adams, Bettman, Boyden, Brunkow, Bueerman, Dodson, Gambee, Hardwick, Laird, McKirdie, Peterson, Roberts, Rockey, Rosenblatt, Seabrook, Swinney, and Wise.

Sur 623, 624, 625. **General Surgical Clinic.** 1 hour each term

Multnomah Hospital. Two hours a week throughout the year; 66 hours. Dr. Graham.

Elective Courses

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

- Sur 627. **Proctology Lectures.** $\frac{1}{2}$ hour spring.
(Third year.) Prerequisite to Sur 628; 11 hours. Dr. Laird.
- Sur 628. **Proctology.** $\frac{1}{2}$ 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, and Smalley.
- Sur 630. **Surgical Lesions of the Gastro-Intestinal Tract.** $\frac{1}{2}$ hour spring.
(Third year.) Lecture and demonstration course on diagnosis, pathology, and treatment; 11 hours.
- Sur 631. **Surgery of the Visceral Nervous System.** $\frac{1}{2}$ hour winter.
(Fourth year.) Lectures and demonstration; 11 hours.
- Sur 633. **Pain: Its Relation to Diagnosis.** $\frac{1}{2}$ hour winter.
(Fourth year.) 11 hours.
- Sur 635. **Differential and Regional Neurosurgical Diagnosis and Therapeutics.** $\frac{1}{2}$ hour winter.
(Fourth year.) Lectures and demonstrations: 11 hours. Limited to 12 students. Dr. Raaf.
- Sur 636. **Acute Abdominal Lesions.** $\frac{1}{2}$ 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. Frank Smith.
- 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.** $1\frac{1}{2}$ hours each term.
One hour three times a week for 11 weeks; throughout the year, in sections; 33 hours. Drs. Abele, Begg, Berg, H. Davis, J. Davis, Gill, Hafner, Hiestand, Jones, Kimberley, McKelvey, Mason, Noall, Short, and Smith.

Elective Courses

- 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. Dr. Lucas.
Dr. Lucas.

OPHTHALMOLOGY

Required Courses

Third Year

- Eye 611. **Eye.** $\frac{1}{2}$ 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, Baum, Browning, Butler, Hill, 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. Drs. Bailey, DeWeese, and Jones.

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. Beattie, Bolton, Chamberlain, DeWeese, Hansen, Jordan, Kuhn, Saunders, Scovis, Simmons, 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. Four hours a day for 3 days; 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 and Ronald Neilson.

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. Fearl, Ronald Neilson, and Schauffer.

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, 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 seven 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, Greene, Kinzel, Kulasavage, Lage, Langley, Nelson, Scales, and Thomas.

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 twelve days; prerequisite: Obs 614; 33 hours. Dr. Stearns.

Obs 618. **Postnatal Clinic.** ½ hour, one section each term.

Outpatient Clinic. Two hours a week for 5½ weeks; 11 hours. Drs. Baker, Bischoff, Breese, Lage, Duncan Neilson, and Ronald Neilson.

Obs 619, 620, 621. **General Clinic.** ½ hour each term.

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

Obs 622. **Clerkships.** ½ hour, one section each term.

Multnomah Hospital. Two hours a week for 5½ weeks; 11 hours. Dr. Ronald Neilson.

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.** 1½ 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, 5½ weeks; throughout the year, in sections; 22 hours. Drs. Stearns, Clancy, Dowsett, Fearl, Frazier, James, Lage, Langley, and Duncan Neilson.

Gyn 615. **Operative Clinic.** ½ hour, one section each term.

Multnomah Hospital. One two-hour ward walk each week for 5½ weeks, throughout the year, in section; 11 hours. Drs. Stearns, Fearl, and Scales.

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, Baker, Pearl, Lage, Duncan Neilsen, 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. Drs. Smith and Wert.
- 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, Bridgeman, and Goodnight.
- 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, Bridgeman, Goodnight, Goss, Larrabee, Rector, Wert, and Whittemore.
- 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, and Bradley.

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.
ELEANOR E. PALMQUIST, M.A., R.N., Associate Professor; Course Director of Public Health Nursing Program.
JOHANNA R. VREELAND, M.A., R.N., Associate Professor; Course Director of Teaching and Supervision Programs.
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.
WINIFRED WOLFE, M.A., R.N., Assistant Professor; Supervisor of Clinical Instruction.
EMMA BEEMAN, B.S., R.N., Instructor (Surgical Nursing).
JEANETTE BENEFIEL, 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).
LUCILE 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).
BETTY M. MANN, B.S., R.N., Instructor (Nursing Arts).
AGNES E. MCCONNELL, B.S., R.N., Instructor (Obstetrical Nursing).
JEAN MOSER, B.S., R.N., Instructor (Pediatric Nursing).
ALICE SHARF, R.N., Instructor (Operating Room).
*ESTELLE FISHER SINGLETON, B.S., R.N., Instructor (Teaching and Supervision).
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.
ARTHUR W. FRISCH, Ph.D., M.D., Associate Professor of Bacteriology.

* On leave of absence 1949-50.

HANCE F. HANEY, Ph.D., M.D., Associate Professor of Medicine.
 CARL G. HELLER, Ph.D., M.D., Associate Clinical Professor of Medicine.
 JOHN ARMES GIUS, M.D., Associate Clinical Professor of Surgery.
 LAWRENCE NOALL, M.D., Associate Clinical Professor of Orthopedic Surgery.
 JOHN RAAF, M.D., Associate Clinical Professor of Surgery.
 JOHN H. BENWARD, M.D., Assistant Clinical Professor of Pediatrics.
 HERMAN S. DICKEL, M.D., Assistant Clinical Professor of Psychiatry.
 ROBERT S. DOW, Ph.D., M.D., Assistant Clinical Professor of Neurology.
 JOHN R. HAND, M.D., Assistant Clinical Professor of Urology.
 CLIFFORD E. HARDWICK, M.D., Assistant Clinical Professor of Surgery.
 WENDELL H. HUTCHENS, M.D., Assistant Clinical Professor of Psychiatry.
 JOHN KRYGIER, M.D., Assistant Clinical Professor of Medicine.
 DANIEL H. LABBY, M.D., Assistant Clinical Professor of Medicine.
 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.
 ARCHIE R. TUNTURI, Ph.D., M.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.
 JOHN M. GUISS, M.D., Clinical Associate in Surgery.
 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.
 MELVIN W. BREESE, M.D., Clinical Instructor in Obstetrics and Gynecology.
 INEZ BROWNLEE, M.S., Instructor in Bacteriology.
 CHARLOTTE LOUISE CLANCY, M.D., Clinical Instructor in Obstetrics and Gynecology.
 ROBERT A. COEN, M.D., Clinical Instructor in Psychiatry.
 ROBERT M. HANSEN, M.D., Clinical Instructor in Otolaryngology.
 JOHN F. HIGGINSON, M.D., Instructor in Surgery.
 ROBERT HILL, M.D., Instructor in Ophthalmology.
 RUTH JENS, M.D., Visiting Clinical Instructor in Psychiatry.
 CLARENCE PETERSON, M.D., Instructor in Surgery.
 WALTER C. REINER, M.D., Clinical Instructor in Surgery.
 WILLARD D. ROWLAND, M.D., Clinical Instructor in Surgery.
 ARTHUR W. SULLIVAN, M.D., Clinical Instructor in Surgery.
 JOHN E. TUHY, M.D., Clinical Instructor in Surgery.
 W. RICH WARRINGTON, M.D., Instructor in Anatomy.
 ALVIN WERT, M.D., Clinical Instructor in Pediatrics.
 J. FREDERICK BITTNER, M.D., Resident in Medicine.
 JULIUS HESSELL, M.D., Resident in Surgery.
 SABERT A. HOTT, Jr., M.D., Resident in Urology.
 BRUCE KVERNLAND, M.D., Resident in Medicine.
 JAMES KEIRNAN, M.D., Resident in Otolaryngology.
 DAVID R. WHITE, M.D., Resident in Medicine.
 GEORGE B. YOUNGSTROM, M.D., Resident in Dermatology and Syphilology.

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.

ZOLA BOYD, B.S., Assistant Instructor; Dietician.
 DOROTHY ELSTON, B.S., R.N., Assistant Instructor; Operating Room Supervisor.
 ESTHER KELLY, R.N., Assistant Instructor; Head Nurse.
 JEWEL NEUENFELDT, B.S., R.N., Assistant Instructor; Head Nurse.
 RUTH REMLY, R.N., Assistant Instructor; Evening Supervisor.

Multnomah Hospital

VERDA MITCHELL, B.S., R.N., Assistant Professor; Director of Nurses.
 VIRGINIA LEE, B.S., R.N., Instructor; Assistant Director of Nurses.
 DORIS B. HARRIS, R.N., Instructor; Evening Supervisor.
 DOROTHY MCREA, B.S., R.N., Instructor, Supervisor of Aides.
 EMMA HAMMOND MCWILLIAMS, R.N., Instructor; Night Supervisor.
 GRACE BLACK, B.S., R.N., Instructor; Occupational Therapy.
 DOROTHY ANDERSON, B.S., R.N., Assistant Instructor; Head Nurse.
 STELLA BOECK, B.S., R.N., Assistant Instructor; Head Nurse.
 RUTH FOSS, R.N., Assistant Instructor; Head Nurse.
 MARY ANN HAWKINS, B.S., R.N., Assistant Instructor; Head Nurse.
 BETTY HAY, R.N., Assistant Instructor; Head Nurse.
 DOROTHY ROBLEE, R.N., Assistant Instructor; Head Nurse.
 HELEN STAFF, 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.
 ERMA L. KLENK, R.N., Assistant Instructor; Head Nurse.
 NANCY RICHARDS, B.S., R.N., Assistant Instructor; Operating Room Supervisor.
 ETHA MORRIS, B.S., R.N., Assistant Instructor; Head Nurse.

Special Instructors and Lecturers

MARY BRENNAMAN, M.P.H., R.N., Director, Portland Visiting Nurse Association.
 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.
 JANE GAVIN, M.A., R.N., Consultant in Public Health Nursing, Oregon State Board of Health.
 MILDRED IVERSON, M.A., Medical Social Work Consultant, Crippled Children's Division.
 CORINNE PENNINGTON, B.S., R.N., Supervising Nurse, Washington County Health Department.
 NORMA QUEEN, M.A., Lecturer in Community Organization.
 JULIA SHELTON, B.S., R.N., Supervisor of Nursing Service, Multnomah County Health Department.
 HELEN TIBBETTS, M.A., Director, Division of Vital Statistics Section, Oregon State Board of Health.

CHEDWAH VAN TIJN, M.S., Lecturer in Nutrition.
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), EMMA BEEMAN, VERDA MITCHELL, JUANITA MURR, ELEANOR PALMQUIST, OLIVE SLOCUM, SHIRLEY THOMPSON, JOHANNA VREELAND, WINIFRED WOLFE.

Advisory Committee

HENRIETTA DOLTZ (chairman), EMMA BEEMAN, CHARLES HOLMAN, VERDA MITCHELL, JUANITA MURR, ELEANOR PALMQUIST, OLIVE SLOCUM, SHIRLEY THOMPSON, JOHANNA VREELAND, EDWARD WEST, WINIFRED WOLFE, WILLIAM ZIMMERMAN.

Committees

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

Curriculum and Schedule Committee—HENRIETTA DOLTZ (chairman), EVA DAVIS, 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—Supervisor of Clinical Instruction (chairman), Dietician, Instructors in Nursing Arts, Teaching Supervisors from Multnomah Hospital, Doernbecher Hospital, Tuberculosis Hospital, and Outpatient Clinic.

Executive Committee, Public Health Nursing Advisory Council—RUTH PEFFLEY (chairman), LILLIAN BIEHNER, AILEEN DYER, ELEANOR PALMQUIST, GERTRUDE PETERSON, JOHANNA VREELAND, NOVA YOUNG.

Student Health Committee—EVA DAVIS (chairman), CHARLES HOLMAN, VIRGINIA LEE.

Scholarship Committee—EMMA BEEMAN, DOREEN ERIKSON, ROMA KITTELSBY, AGNES MCCONNELL, GUHLI OLSON, LOUISE WASSON, WINIFRED WOLFE.

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—LUCILE GREGG (chairman), GRACE BLACK, EVA DAVIS, JOHANNA EGGERS, ELEANOR

LUTTRELL, DOROTHY McREA, BETTY MANN, GUHLI OLSON, VERDA MITCHELL, JUANITA MURR, ALICE SHARP.

Library Committee—GERTRUDE PETERSON (chairman), LUCILE GREGERSON, BERTHA HALLAM, ELEANOR LUTTRELL, DOROTHY McREA, JUANITA MURR, JOHANNA VREELAND, LOUISE WASSON.

Uniform Committee—BETTY MANN (chairman), DOREEN ERIKSON, AGNES McCONNELL.

Social Committee—EVA DAVIS (chairman), EMMA BEEMAN, ROMA KITTELSBY, VERDA MITCHELL, GUHLI OLSON, GERTRUDE PETERSON.

Faculty Representatives on Student Council—ROMA KITTELSBY, WINIFRED WOLFE, LOUISE WASSON.

General Information

THE Department of Nursing Education at the University of Oregon Medical School is organized on a collegiate basis. The department offers (1) an undergraduate curriculum designed to prepare young women for service as professional nurses in the care of the sick and in the promotion of community health; and (2) advanced programs of study for graduate nurses in the special fields of public health nursing, supervision, teaching, and medical and surgical staff 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 pro-

gram 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. In 1945 the prenursing curriculum was increased to a minimum of five terms.

In 1947 the W. K. Kellogg Foundation granted a fund of \$60,000 to the Department of Nursing Education to develop programs for graduate nurses that would contribute to developing and improving nursing service throughout Oregon.

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. Three halls of residence are provided for students enrolled in the Department of Nursing Education.

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.

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 by students enrolled in professional nursing curricula should be made to the director of the Department of Nursing Education.

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 year.

For Undergraduate Students. 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 Alumnae 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.

For Graduate Nurses. Graduate nurses may qualify for scholarships and loans from the national nursing organizations, as well as the W. K. Kellogg Foundation Loan Fund.

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.

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 advanced professional curricula, lack the requisite aptitude for work in their special field.

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.

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. The three-year diploma curriculum was established as a war emergency measure as stated above. 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 50 term hours of credit toward a Bachelor of Science degree with a major in nursing education.

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

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	\$ 5.00
1Evaluation fee (not refundable)	5.00
Degree or certificate fee	6.50
Transcript fee (one furnished without charge)	1.00
2Late-registration fee	1.00 to 5.00
3Penalty for late payment of tuition fees, per day	25 cents

Special Expenses

Room rent for first quarter only	\$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

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 a student in the diploma program at the Medical School is \$400.00.

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

Health Program

Before admission to the basic nursing curricula, students are required to have health examinations, including a chest X-ray, 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 curricula 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 curricula 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 allotment in each clinical area.

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	3	..	..
Psychology	1	1	3
Physical Education	1	1	1
Electives	2	5	2
	16	16	16

¹ Evaluation fee is charged for the evaluation of transcripts submitted with the application for admission.

² 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.

³ Registration is cancelled after one week, after which a \$2.00 fee is required for reinstatement.

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	6	....	....
Elementary Nursing Arts (Nur 210, 211, 212) .....	....	....	3	7
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	17

Third Year¹

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

Final Term

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	....	....	....

¹ A student takes a portion of her total vacation allowance during the spring term of her third year.

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.

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.

Courses in Basic Science

*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.

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

***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 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, 3 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 and assistants.

Undergraduate Courses in Nursing

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.

Nur 210. Orientation to Nursing Arts. 3 hours fall or spring.

Orientation of the student to campus and hospital facilities, to the interrelationship of community agencies, and to the basic principles and techniques used in giving supportive nursing care. Lectures, 2 hours; discussions, field trips, conferences, demonstrations, supervised practice. 4 hours. Miss Olson and Miss Mann.

Nur 211. Nursing Arts. 4 hours summer or winter.

Basic principles underlying more complicated nursing techniques, including therapeutic measures. Emphasis on planning individualized patient care and on the development of habits of observation, organization, and dexterity in nursing procedures. Lectures, 3 hours; demonstrations and supervised practice, 4 hours. Miss Olson and Miss Mann.

Nur 212. Clinical Practice in Nursing Arts. 3 hours summer or winter.

Eleven weeks of supervised clinical practice, applying the fundamental principles and techniques of nursing in total patient care. 18 hours a week, supervised ward practice and conferences. 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. Berghheim.

* 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.

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.

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 Davis.

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. Miss Luttrell and Mrs. Moser.

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. Miss Luttrell, Mrs. Moser, 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 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 487. Introduction to Child Behavior.** 3 hours any term.

Study of normal child behavior. Events in childhood which contribute to normal adult adjustment; some of the deviations in normal development and behavior which result in problems of adjustment. Drs. Dickel and Haugen.

Programs for Graduate Nurses

THE Department of Nursing Education offers courses in nursing for graduates of accredited schools of nursing. These programs are planned to provide opportunities for a more thorough preparation in the fields of public health nursing, supervision, teaching, and professional bedside nursing.

Four groups of graduate nurses are served: (1) the full-time student who wishes to complete work toward a Bachelor of Science degree with a major in nursing education; (2) the nurse who is employed full- or part-time and wishes to register as a part-time student to work toward a Bachelor of Science degree with a major in nursing education; (3) the nurse who wishes preparation in a particular area of professional nursing, but does not wish to complete the requirements for the baccalaureate degree at the time she completes the nursing courses;

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

and (4) the nurse who is employed full time and wishes to obtain preparation in a specific area for immediate assistance to her in her position.

Admission Requirements

Graduation from a state-accredited school of nursing and current registered-nurse status is required for admission to all graduate-nurse programs. Students who wish to prepare for teaching in schools of nursing must have had at least one year of experience as a graduate nurse, preferably as a head nurse or assistant instructor.

It is recommended, where possible, that the student who has had no previous college work take some general university or college courses before beginning the nursing program. Courses in English composition, general sociology, and general psychology would be very helpful as general background for the advanced work in nursing.

The Committee on Admissions selects students on the basis of scholarship, personal qualifications, and professional experience and qualifications.

Students seeking admission to any of the graduate-nurse programs should file with the Department of Nursing Education: (1) an application, on an official application form, accompanied by a \$5.00 evaluation fee; (2) a record of a physical examination; (3) official transcripts of high-school, college or university, and school-of-nursing work completed at the time of application. Application and physical-examination forms will be furnished, on request, by the Department of Nursing Education. It is recommended that, if possible, these credentials be filed three months before the student expects to begin her graduate studies.

All entering students are required to take the National League of Nursing Education information test, which is given during the first week of the term. A fee of \$4.00 is charged for this test. The test must be taken before the student has completed 15 term hours of work in graduate nurse courses.

It is highly desirable that graduate-nurse programs be completed without interruption. If any program is not completed within a three-year period, the student's work will be reviewed in the light of current requirements.

Degree Requirements

The requirements for a Bachelor of Science degree with a major in nursing education include, in addition to the satisfaction of major requirements in the Department of Nursing Education, the completion of nonmajor courses providing a general educational background. These courses may be taken at the University of Oregon in Eugene, at Oregon State College in Corvallis, or at another accredited college or university. The University of Oregon requires 82 term hours of work outside the nursing major, Oregon State College 77 term hours outside the major.

Degree candidates who satisfy major requirements in the Department of Nursing Education receive their degrees from the University of Oregon, except that candidates who satisfy the general educational background requirement at Oregon State College receive their degrees from the State College. The University requires a total of 186 term hours of work for a bachelor's degree; the State College requirement is 192 term hours.

A minimum of 45 term hours in professional courses is required for the bachelor's degree, including:

	Term hours
1Educational Psychology (Ed 312)	3
Introduction to Case Work Methods (Nur 416)	3
Community Organization (Nur 418)	2
Principles of Teaching (Nur 451)	3
Field work in selected area	2-15

1 To be taken at the Portland Extension Center.

A student may receive from 40 to 60 term hours of credit toward the Bachelor of Science degree for work in the basic curriculum in a state-accredited school of nursing. This credit is determined according to the clinical services in which the student has had experience.

It is recommended that, if possible, students complete the required background work outside the major before beginning their major work.

Fees and Deposits

Regular Fees

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

Fees for 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

2Evaluation fee (not refundable)	5.00
Degree	6.50
Field experience fee for student in public health nursing	25.00
National League of Nursing Education test	4.00
Transcript fee (first one furnished without charge)	1.00
3Late-registration fee	1.00 to 5.00
4Penalty for late payment of tuition fees, per day	25 cents

Student Housing

Housing for graduate-nurse students is available in the nurses residence at 840 S.W. Gaines Road, on the Medical School campus. Rates are: \$20.00 a month per person for a double room; \$25.00 a month for a single room.

Health Program

Before admission as a full-time student to any of the programs for graduate nurses, an applicant is required to have a health examination by her family physician. A form for a report on this examination may be obtained from the Department of Nursing Education. Each student is given a complete physical examination by the Student Health Service the term before she begins her field work. A fee of \$4.50 a term is charged for health service.

A daily health clinic is held. In case of illness, students may be hospitalized for a limited period without charge.

Programs of Study

Public Health Nursing. The program of study in public health nursing is accredited by the National Organization for Public Health Nursing. The program is designed to give basic knowledge and understanding of public health and to prepare the nurse for responsibilities in the various services of public health nursing administered by city, county, state, and Federal agencies.

1 The incidental fee is for student health service.

2 The 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.

The curriculum is so arranged that if the student elects not to continue her studies beyond the professional program she will have completed the approved program of study recommended by the National Organization for Public Health Nursing. Sixty term hours, including field work, are required for the approved program. A minimum of 54 term hours should be selected with the assistance of the faculty adviser from the following courses:

	Term hours
1Educational Psychology (Ed 312)	3
Tuberculosis Nursing (Nur 336)	3
Clinics and Clinical Practice in Tuberculosis Nursing (Nur 350)	3-6
Seminar in Nursing (Nur 407)	4
Introduction to Case Work Methods (Nur 416)	3
Community Organization (Nur 418)	2
Nutrition for Public Health Nurses (Nur 444)	3
Mental-Hygiene Aspects of Public Health Nursing (Nur 445)	3
Principles of Teaching (Nur 451)	3
Introduction to Public Health Nursing (Nur 461)	4
Organization and Administration of Public Health (Nur 462)	3
Field Work, Interviewing and Work with Agencies (Nur 464)	5
Methods of Teaching Health (Nur 466)	3
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

It is highly recommended that students with no experience in public health nursing arrange for an observation period of at least one week with a public health nurse in their local health department or community nursing agency before beginning the program of study.

Four months of field experience are included in the public health program. The specific character of the field experience is determined by 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.

Arrangements for field work must be made in advance; application forms for field experience must be filed at least one term before field placement.

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

Supervision. This program may be completed in three terms. The student may elect medical nursing, surgical nursing or medical and surgical nursing as her area of clinical interest. The courses include:

	Term hours
1Educational Psychology (Ed 312)	3
Special Problems: Methods of Clinical Instruction (Nur 406)	3
Special Problems: Procedure Construction and Revision (Nur 406)	4
Seminar in Nursing (Nur 407)	4
Introduction to Case Work Methods (Nur 416)	3
Community Organization (Nur 418)	2
Advanced Principles in Medical and Surgical Nursing (Nur 420, 421)	4
2Field Work in Unit Personnel Administration (Nur 447)	2-6
Personnel Administration I (Nur 450)	3
Principles of Teaching (Nur 451)	3
Personnel Administration II (Nur 452)	3

Teaching. This program may be completed in four terms. The student may elect medical nursing, surgical nursing, medical and surgical nursing, or nursing arts as her area of teaching. The courses include:

¹ To be taken at Portland Extension Center.

² Field work experience is planned to meet the needs and interests of the individual student in the nursing units and clinics of her choice. The field work is done in the hospitals and clinics of the University of Oregon Medical School.

	Term hours
1Educational Psychology (Ed 312)	3
Special Problems: Procedure Construction and Revision (Nur 406)	4
Special Problems: Methods of Clinical Instruction (Nur 406)	3
Special Problems: Methods of Teaching Nursing (Nur 406) or Teaching Nursing Arts (Nur 433)	3
Seminar in Nursing (Nur 407)	4
Introduction to Case Work Methods (Nur 416)	3
Community Organization (Nur 418)	2
Advanced Principles in Medical and Surgical Nursing (Nur 420, 421)	4
Administration in Schools of Nursing (Nur 422)	2
2Field Work in Unit Personnel Administration (Nur 447)	2-6
2Supervised Teaching (Nur 448)	2-6
Personnel Administration I (Nur 450)	3
Principles of Teaching (Nur 451)	3
Personnel Administration II (Nur 452)	3
Curriculum Construction in Schools of Nursing (Nur 458)	3
Physical and Emotional Growth (Nur 482)	3

Medical and Surgical Staff Nursing. This program may be completed in three terms. The following courses prepare the student to become a fully contributing staff-nurse member in the health team which helps individuals promote, maintain, or regain health:

	Term hours
1Educational Psychology (Ed 312)	3
Special Problems: Procedure Construction and Revision (Nur 406)	4
Special Problems: Methods of Clinical Instruction (Nur 406)	3
Seminar in Nursing (Nur 407)	4
Introduction to Case Work Methods (Nur 416)	3
Community Organization (Nur 418)	2
Advanced Principles in Medical and Surgical Nursing (Nur 420, 421)	4
Advanced Field Work in Nursing (Nur 429)	4
Nutrition for Public Health Nurses (Nur 444)	3
Mental-Hygiene Aspects of Public Health Nursing (Nur 445)	3
Personnel Administration I (Nur 450)	3
Principles of Teaching (Nur 451)	3
Physical and Emotional Growth (Nur 482)	3

The following additional courses are open to a limited number of graduate nurses preparing for staff nursing:

Tuberculosis Nursing (Nur 336)	3
Clinics and Clinical Practice in Tuberculosis Nursing (Nur 350)	3-6
Advanced Field Work in Nursing (Nur 430)	5
Advanced Field Work in Nursing (Nur 431)	5

The student who wishes to take more than 5 term hours of field work, or to take work in tuberculosis nursing, should plan to devote four terms to this program. The hospitals and clinics of the University of Oregon Medical School provide the field experience. Field trips to the community agencies of Portland are a part of the student's total program. All field work is planned to meet the needs and interests of the individual student.

Courses for Graduate Nurses

Nur 336. Tuberculosis Nursing. 3 hours any term.

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.

1 To be taken at Portland Extension Center.

2 Field work experience is planned to meet the needs and interests of the individual student in the nursing units and clinics of her choice. This experience is obtained in the hospitals and clinics of the University of Oregon Medical School. The field work in supervised practice teaching consists of periods of observation and participation in the educational program offered to basic nursing students.

Nur 350. **Clinics and Clinical Practice in Tuberculosis Nursing.** 3-6 hours any term.

Six or thirteen weeks of experience in the nursing care of tuberculosis patients; conferences and clinics. Miss Erikson and staff.

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. Provides an opportunity for the study of problems related to nursing.

†Nur 416. **Introduction to Case-Work Methods.** 3 hours winter or summer.

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 Iverson.

†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.

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.** 4 hours fall.

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 summer.

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 Gregerson.

†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.

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

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

nursing or medical social service in which her interest lies. Field work, 165 hours each term. Miss Gregerson 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 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. Miss van Tijn.

†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. Dr. McNutt.

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. Miss Gregerson.

Nur 447. Field Work in Unit Personnel Administration. 2-6 hours any term.

Observation and guided practice in the nursing unit, including study of administration problems related to nursing service and nursing education; the responsibilities of the head nurse in the guidance of personnel. Prerequisite: Nur 450, Nur 452, or their equivalent, and consent of adviser. Miss Gregerson and staff.

Nur 448. Supervised Teaching. 2-6 hours any term.

Supervised practice in teaching in the student's area of major interest. Prerequisite: educational psychology, principles of teaching, and consent of adviser. Miss Gregerson and staff.

Nur 450. Personnel Administration I. 3 hours fall or spring.

The head nurse's responsibilities in planning for high-quality nursing care, through developing cooperation and maintaining morale of professional and nonprofessional workers; principles and methods of orientation, assignment, supervision, and instruction. Miss Vreeland and Miss Gregerson.

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. Personnel Administration II. 3 hours winter or summer.

Democratic leadership; developing staff participation in analysis and solution of nursing service problems; use of job-analysis techniques; staff-education programs as a means of maintaining high-quality nursing service; evaluation of staff performance and selection of personnel for promotion. Prerequisite: Nur 450 or consent of adviser. Miss Vreeland and staff.

Nur 453. Integration of the Social and Health Components of Nursing in the Basic Curriculum. (G) 2 hours.

Designed to familiarize the graduate nurse with the philosophy and principles

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

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 spring.

Modern principles and methods of curriculum making; aims, standards, sources, techniques, and planning the program of study. Lectures, 3 hours; 33 hours. Miss Vreeland.

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.

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. Weinzirol.

†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.

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.

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

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

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.

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, 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 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.

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

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

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.

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 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 spring.

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

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.

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

†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 508. **Public Health Nursing Supervision.** (G) 3 hours any term.

Philosophy and techniques of supervision; methods of evaluation; problems of the supervisor. Prerequisite: one year of experience in public health nursing. Miss Palmquist.

†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 1949

MEDICINE

DOCTOR OF MEDICINE

Neil Charles Alden, B.A., Portland
 Robert Erich Asmussen, B.S., Wendell, Idaho
 Stanley Alden Boyd, A.B., Portland
 Norman Francis Carrigg, B.S., Portland
 Bruce Robert Chenoweth, B.S., Portland
 Lew Sarett Cunningham, M.S., Palo Alto, Cal.
 Melvin Roger Davis, B.S., Port Orchard, Wash.
 Charles Raymond Downs, B.S., Davenport, Okla.
 J. Coleman Edwards, B.S., Portland
 Bernard J. Eggertsen, B.S., Salt Lake City, Utah
 Robert Reed Fife, B.S., Idaho Falls, Idaho
 William Arthur Fisher, B.S., Albany
 Leonard Berdine Hanson, B.S., Portland
 John Harder, B.A., Portland
 William Dale Harrison, B.S., Portland
 Richard Joseph Havel, M.S., Seattle, Wash.
 Edward Leo Hendricks, M.S., Portland
 Frank Richard Herman, B.S., Eugene
 S. Roger Hevel, B.S., Pendleton
 Alfred Frank Hewitt, M.S., Spokane, Wash.
 Reynolds Kay Hoover, B.S., Longview, Wash.
 Thomas Jeremiah Hurley, B.S., Minneapolis, Minn.
 Edwin Clement Jungck, Ph.D., Portland
 Kathryn Ann Kelley, B.S., Klamath Falls.
 Ruth Ilona Kokko, B.A., Portland
 Gerald James Lattig, B.S., Payette, Idaho
 Harry Lee, B.S., Portland
 Wendell Frederick Lienhard, B.S., San Antonio, Tex.
 Richard Jerome Mallett, B.S., Gresham
 Rolland Aldred Martin, B.S., Portland
 Morrie Mink, B.S., Portland
 Lester Wayne Mittelstaedt, B.S., Seattle, Wash.
 Don Rex Morrill, M.S., Corvallis
 Jasper Paul Munson, B.S., Groton, N. Y.
 Leonard Spencer Parkinson, B.S., Franklin, Idaho
 John Wesley Petty, B.S., Spokane, Wash.
 Philip Martin Porter, B.S., Normal, Ill.
 Jean Lucien M. Pouteau, B.A., Portland
 Archie Pendleton Ratliff, Jr., B.S., Everett, Wash.
 Charles Creighton Reberger, B.S., Tacoma, Wash.
 Walter Cornelius Reynolds, B.S., Portland
 Joseph Merle Ribar, B.S., Tacoma, Wash.
 Herbert Edwin Rosenbaum, B.S., Portland
 Ernesto Miranda Santos, B.A., Portland
 Robert William Sherwood, B.S., Monroe, Wash.
 Norris Dean Smith, B.S., Portland
 John David Steinbach, B.S., Tillamook
 Phillip Joseph Suver, B.S., Seattle, Wash.
 Jean Taylor, M.A., Eugene
 Bennett Weissglass, B.S., Butler, N. J.
 Philip Lee Westling, B.S., Malden, Wash.
 Kenneth Clark Wilhelmi, B.S., Tacoma, Wash.
 David Graham Whitlock, B.S., Portland
 Albert Edgar Wilkinson, B.A., Tigard
 Jack Stanley Wittleff, B.S., Astoria
 Ralph Dean Worthylake, B.S., Toledo
 Olive Adams Young, B.S., Eugene
 Louis Zamvil, B.A., Portland
 Henry Angus Zevely, B.S., Stevenson, Wash.

DOCTOR OF PHILOSOPHY

Edwin Clement Jungck, M.S., Portland

MASTER OF SCIENCE

Robert Harold Buckinger, B.S., Seattle, Wash.
 Leonard Christensen, M.D., Portland
 Richard Joseph Havel, B.A., Seattle, Wash.
 Charles Carlyle Henriques, B.S., Portland
 Doris Glenna Osborne, B.S., Beaverton
 Ellen Louise Talman, B.A., Portland

NURSING EDUCATION

BACHELOR OF SCIENCE

*Lucille M. Bellinger, Portland
 *Lorraine A. Bly, Shell Lake, Wis.
 *Kathleen Brady, The Dalles
 *Jean Marian Caldwell, Newberg
 *Anne Lenore Cassidy, Eugene
 *Hilda E. Eliasson, Portland
 *Helen Fisher, Portland
 *Wilma G. Fitzpatrick, Newport
 †Pauline Ann Herigstad, Silverton
 *Florence Belle Hoover, Longview, Wash.
 †Vivienne Hermanson Huffman, Portland
 *Mary Hiltje Hubbard, Baker
 †Delma Mae Jenks, Tangent
 *Elizabeth J. Kennedy, Vancouver, Wash.
 †Helen F. Meyers, Echo
 *Carol Virginia Pearson, McGill, Nev.
 *Betty Staab Porter, Salem
 †Cathryn F. Richardson, Portland
 *Elizabeth Everline Rose, Moro
 *Patricia Rush Siemens, Portland
 *Ramona R. Staska, Portland
 †Patricia LeRoy Stearns, Portland
 †Suzanne Bozorth Wittman, Portland

* Conferred through University of Oregon.

† Conferred through Oregon State College.

CERTIFICATE IN PUBLIC HEALTH NURSING

Lorraine Adelle Bly, Shell Lake, Wis.
 Susan Dove, Albany
 Hilda E. Eliasson, Astoria
 Ruth Hanna, Portland
 Elizabeth J. Kennedy, Vancouver, Wash.
 Mary McDermed, Chicago, Ill.

Lenore Mori, Holualoa, T.H.
 Teresa Owens, Portland
 Elizabeth Everline Rose, Moro
 Emily Catherine Smith, Portland
 Maxine Trivelpiece, Bishop, Cal.

Enrollment, 1948-49

MEDICINE

FIRST-YEAR CLASS

Anderson, Hjalmar, Jr., Turner
 University of Oregon, 1945-48
 Anderson, Hugh Vaux, Sidney, Mont.
 Oregon State College, 1945-48
 Beam, Charles William, Parkdale
 USN Navigation and Flight School, 1942-43
 University of Oregon, 1946-48
 Bennett, Thomas Tankerville, Portland
 University of Oregon, 1940-42, 1946-48
 Berg, Norma Solveig, Portland
 University of Oregon, 1945-48
 Bittick, Wilbur Howard, Pocatello, Idaho
 Idaho State College, 1942-43, 1945-48
 Bowerman, Walter Maurice, Portland
 Pasadena College, A.B., 1947
 Brokaw, Glenn Howard, Portland
 College of Puget Sound, 1946-48
 Brown, Stanley Allen, Jr., Salem
 University of Oregon, 1939-41
 Williamette University, 1947-48
 Burdic, Joseph Thorn, Ashland
 Southern Oregon College of Education, 1946
 University of Oregon, 1946-48
 Burgner, Paul R., Jr., Portland
 Vanport Extension Center, 1946-48
 Byers, Gilbert Waldo, Portland
 Oregon State College, 1946-48
 Calebaugh, David William, Portland
 University of Oregon, B.A., 1948
 Carson, Robert Scott, Rogue River
 Reed College, B.A., 1948
 Cederline, Irvin Murnane, Portland
 Lewis and Clark College, B.A., 1948
 Daugherty, Robert Irvin, Cottage Grove
 University of Oregon, 1945-48
 DeMaris, Harry Dean, Walla Walla, Wash.
 Whitman College, A.B., 1947
 Dyck, Abram Antone, Vancouver, Wash.
 University of Portland, B.S., 1948
 Findlay, Ronald Alexander, Portland
 University of Washington, 1945-46
 Reed College, 1946-48
 Flanery, John Richard, Springfield
 University of Oregon, B.S., 1948
 Gallagher, Edward Clement, Riddle
 University of Oregon, B.S., 1948
 Gallagher, Hugh Edward, Portland
 University of Oregon, B.A., 1948
 Gilbert, Allan Earl, Corvallis
 Oregon State College, 1945-48
 Greene, Robert Bronson, Jr., Portland
 Reed College, B.A., 1948
 Hatheway, James Gilbert, Portland
 University of Oregon, B.S., 1948
 Hogg, Thomas Vernon, Portland
 University of Oregon, B.S., 1948
 Hopping, Louis Raymond, Portland
 Vanport Extension Division, 1946-48
 Hughell, James Edward, Portland
 Oregon State College, B.S., 1948

John, Gregory George, Gig Harbor, Wash.
 Utah State Agricultural College, 1943
 University of Washington, 1946-48
 Jones, Neville Clegg, Kelowna, B. C.
 University of British Columbia, B.A., 1948
 Karnopp, Katherine, Portland
 Willamette University, A.B., 1948
 Kendall, Allan William, Jr., Astoria
 Willamette University, 1944-45
 Colorado College, 1945-46
 University of Oregon, 1946-48
 Kromer, Richard Carvel, Portland
 Reed College, 1942-43, 1946-48
 Central College, 1943-44
 Lee, Arthur Albert, Jr., El Cajon, Cal.
 University of Oregon, B.A., 1948
 McDaniel, Donald Wiley, The Dalles
 University of Oregon, 1945-48
 McGarvey, James Henry, Bend
 Wabash College, 1943-44
 Oregon State College, 1946-48
 Markee, Alan Sherman, Canby
 Oregon State College, 1945-48
 Mitchell, Joseph Carl, Portland
 Stanford University, 1945-48
 Montagne, James Raoul, Portland
 University of Oregon, 1944-45, 1947-48
 Mooers, Robert Raymond, Skamokawa,
 Wash.
 University of Oregon, 1945-48
 Moores, Madison Dabney, Seattle, Wash.
 University of Washington, 1945-47
 Seattle College, 1947-48
 Morgan, Clayton Calkins, Nyssa
 University of Oregon, 1945-48
 Morris, Thomas Edward, Jr., Portland
 Pacific University, B.A., 1938
 Mudge, Carl Edmund, Jr., Portland
 Reed College, 1942-43, 1946-48
 Nakagawa, Bunzo, Portland
 St. Louis University, 1944SS
 Harris Teachers College, 1944-45
 University of Portland, 1946-48
 Reed College, 1947SS
 Nunn, Josiah Joshua, Portland
 Lewis and Clark College, B.S., 1947
 Olwin, Thomas K., Great Falls, Mont.
 Northern Montana College, 1943SS
 University of Utah, 1943
 University of Oregon, 1946-48
 Payseur, Coyt Reed, Gastonia, N. C.
 Duke University, 1943-44
 University of North Carolina, 1946
 University of Idaho, 1946-48
 Perkins, Norris Humphrey, Portland
 University of Oregon, B.A., 1940
 Peterson, Elmo William, St. Helens
 Oregon State College, 1941-42, 1946-48

- Pflug, Amos Eugene, Turner
North Dakota State Teachers College,
1943-44
University of Idaho, 1946-48
- Powers, Joseph Frederick, Portland
University of Portland, 1945-48
- Purtzer, Frank John, Corvallis
Eastern Washington College of Education,
1945
Oregon State College, 1946-48
- Quickstad, Quentin Loring, Portland
University of South Dakota, 1945-46
University of Oregon, 1946-48
- Raglione, Ugo William, Portland
University of Portland, 1945-48
- Richanbach, Henry Secord, Portland
Reed College, B.A., 1948
- Rubens, Norman Lester, Portland
University of Oregon, 1943-44, 1946-48
- Semler, Herbert J., Portland
Reed College, 1946
University of Washington, 1946-48
- Sheller, Monna May, Canby
Reed College, B.A., 1948
- Sherman, William David, Portland
University of Oregon, 1943, 1946-48
- Smith, Louis John, East Helena, Mont.
Montana State College, 1946-48
- Stennfeld, Paul Theo, Fremont, Neb.
University of Oregon, 1945-48
- Stier, Alton Richard, Spokane, Wash.
Washington State College, 1941-42, 1946-48
- Swartley, John William, Portland
Willamette University, B.A., 1948
- Thomas, Denison Mauran, Portland
Oregon State College, 1942-43, 1946-48
- Tivey, Harold, Portland
Reed College, B.A., 1948
- Van Dermark, Harry Leland, Medford
University of Oregon, 1943, 1946-48
- Vreeland, Oliver Henry, Portland
University of Portland, 1939-40
University of Notre Dame, 1940-42
Mount Angel College, 1942-43
Reed College, 1947SS
- Weisel, John Thomas, Albion, Idaho
University of Oregon, B.A., 1948
- Weston, George Allen, Portland
Oregon State College, 1941-42, 1946-48
- Wever, Robert Charles, Portland
Illinois Institute of Technology, 1942-43
University of Oregon, 1943
Santa Clara University, 1943-44
Reed College, 1946-48
- Wilcox, Clifton Clark, Portland
University of Oregon, B.A., 1947
- Williams, David Wilson, Portland
Reed College, B.A., 1948
- Wilson, James Alexander, Ketchikan, Alaska
Willamette University, 1945-48
- Wong, Gilford Yuen, Portland
Oregon State College, 1943-44, 1946-48
- Zevely, John Bernard, Stevenson, Wash.
Lewis and Clark College, B.A., 1948

SECOND-YEAR CLASS

- Bachman, Daniel Morton, Portland
Reed College, 1943-44, 1946-47
- Baley, Todd Duane, Burns
Oregon State College, 1939-41, 1946-47
- Bergman, Norman Akiva, Portland
Reed College, 1943-45, 1947
- Boyd, Bruce Adna, Portland
University of Oregon, B.S., 1943
- Brick, Francis Harold, Pocatello, Idaho
University of Idaho, Southern Branch,
B.S., 1940
- Callas, 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
- Chappell, Allan Kent, Aberdeen, Wash.
State College of Washington, 1942-43
1945-47
Reed College, 1945-46
- Cone, William Harlan, Grangeville, Idaho
University of Idaho, 1940-41, 1943-45,
1946-47
- 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, 1944SS
Oregon State College, 1944, 1945, 1947
- Fitch, Handly 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
- Fuller, Malcolm Eugene, Jacksonville, Fla.
University of Florida, B.S., 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
University of Oregon, B.S., 1948
- 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
- Hoover, Oaks Hooper, Parma, Idaho
University of Oregon, B.S., 1947
- Hough, John Donald, Courtenay, B. C.
University of British Columbia, 1944-47
- Jacobson, Frank Maurice, Portland
University of Oregon, B.S., 1946
- 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
- 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.
Seattle College, 1943-45
State College of Washington, 1945-47
- 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
- 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, Calmar, 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, 1942-43
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
- Saxe, 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
- Scholl, Virginia May, Vancouver, Wash.
University of Oregon, B.S., 1947
- Smith, Marthe Elisabeth, Eugene
University of Oregon, B.A., 1948
- Stanwood, John Ernest, Caldwell, Idaho
Oregon State College, 1943-44
College of Idaho, 1946-47
- Stubblebine, James Malcolm, Portland
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
- Toevs, 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, B.S., 1948
- Volstorff, Clifton Henry, Hood River
University of Oregon, B.S., 1946
- 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, Dorthea, 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
University of Oregon, B.S., 1948
- Wolfe, Peter Thomas, Jr., Corvallis
Oregon State College, B.S., 1946
- Woodward, Mack Garland, Baker
Oregon State College, B.S., 1947
- Zenger, Elmer, Portland
University of Chicago, 1943-44
University of Oregon, 1945-47

THIRD-YEAR CLASS

- Anderson, Edgar Harrison, Portland
University of Oregon, B.A., 1940
- Baxter, Roberta Gail, Portland
University of Oregon, B.S., 1948
- Beddow, Ralph Marlowe, Honolulu, T. H.
State College of Washington, B.S., 1944
- Beetem, Ksenia P., Portland
University of Oregon Medical School, Ph.D., 1944
- Blanchard, John A., Jr., Fairview, Mont.
Montana State College, B.S., 1941
- Bock, Max Mark, Portland
Oregon State College, M.S., 1938
- Brenneman, Eileen Marie, Albany
University of Oregon, B.A., 1946
- Brown, Charles Straub, Honolulu, T. H.
Stanford University, A.B., 1938
- Buckinger, Robert H., Seattle, Wash.
University of Washington, B.S., 1945
- Burgoyne, Frank Nelson, Kamloops, B. C.
University of Oregon, B.S., 1948
- Calkins, Mary Eileen, Portland
Linfield College, B.A., 1947
- Casey, Leroy Virgil, Portland
Willamette University, A.B., 1939
- Cassard, Frederick, 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
University of Oregon, B.S., 1948
- DeLorme, Robert Darrow, Portland
Reed College, B.A., 1948
- Dsham, Ray Samuel, Lewiston, Idaho
Stanford University, A.B., 1942
- Gilmer, Graham, Jr., Portland
Hamden-Sydney College, B.A., 1935
- Gustafson, Ivan John, Monroe, Wash.
State College of Washington, B.S., 1942
- Hanson, Victor Robert, Kelso, Wash.
University of Oregon, B.S., 1948
- Hargraves, Allen Pershing, Inkom, Idaho
Oregon State College, B.S., 1948
- Harlin, Allan Junior, Seattle, Wash.
University of Oregon, B.S., 1948
- Harlin, Vivian Krause, Seattle, Wash.
University of Washington, B.S., 1946
- 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
Highet, Doris M., Portland
University of Oregon Medical School,
Ph.D., 1945
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, B.A., 1948
Hunsaker, Robert Dale, Klamath Falls
Willamette University, B.S., 1946
Inahara, Toshiro, Payette, Idaho
University of Oregon, B.S., 1948
Jeppesen, Donald Martin, Eugene
University of Oregon, B.S., 1947
King, Charles Delson, Missoula, Mont.
Montana State University, B.A., 1943
Lawton, Raymond Edgar, Bremerton, Wash.
University of Washington, B.S., 1946
Leavitt, Elton David, Spokane, Wash.
University of Idaho, B.S., 1942
Martin, Kenneth Lassen, Portland
University of Oregon, B.S., 1948
Meyer, Robert Edwin, Portland
University of Washington, B.S., 1942
Mickel, Edwin Albert, Portland
University of Oregon, B.S., 1948
Moore, Kenneth Dabney, Seattle, Wash.
Whitman College, A.B., 1946
Myers, Gordon Carl, Portland
University of Oregon, B.S., 1948
Neary, Mark Rohde, Portland
Willamette University, B.S., 1948
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, B.S., 1948
Proud, Harry Stewart, Portland
University of Wyoming, B.A., 1934
Radmore, Barbara Joy, Springfield
University of Oregon, B.S., 1948
Schneider, Constance O., Salem
Willamette University, B.S., 1948
Senders, Wilbur L., Albany
Willamette University, B.S., 1947
Smith, Donald Dean, Portland
University of Portland, B.S., 1948
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
Reed College, B.A., 1948
Stampher, Joseph P., Portland
University of Oregon, B.S., 1948
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, B.S., 1948
Teipner, William Albert, Reno, Nev.
University of Oregon, B.S., 1948
Tyler, Donald Earl, Ontario
University of Oregon, B.S., 1948
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
Oregon State College, B.S., 1948

FOURTH-YEAR CLASS

Alden, Neil Charles, Portland
Reed College, B.A., 1947
Asmussen, Robert Erich, Wendell, Idaho
University of Idaho, B.S., 1946
Boyd, Stanley Alden, Portland
Willamette University, A.B., 1945
Carrigg, Norman Francis, Portland
University of Oregon, B.S., 1947
Chenoweth, Bruce Robert, Portland
University of Oregon, B.S., 1947
Cunningham, Lew S., Corvallis
University of Oregon Medical School,
M.S., 1948
Davis, Melvin Roger, Port Orchard, Wash.
University of Washington, B.S., 1946
Downs, Charles Raymond, Davenport, Okla.
University of Oregon, B.S., 1948
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., Kahlotus, Wash.
Whitman College, A.B., 1945
Harrison, William Dale, Portland
Willamette University, B.S., 1946
Havel, Richard Joseph, Seattle, Wash.
Reed College, B.A., 1946
Hendricks, Edward Leo, Portland

University of Oregon Medical School,
M.S., 1948
Herman, Frank Richard, Eugene
University of Oregon, B.S., 1946
Hevel, 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, Roland 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, Groton, N. Y.
 University of Oregon, B.S., 1948
 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
 Ratliff, 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.
 University of Oregon, B.S., 1948

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, Butler, 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
 Wittliff, 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

GRADUATE STUDENTS

Claycomb, Cecil K., M.S., LaGrande
 Davison, Kenneth B., M.S., Hillsboro
 Douglas, Lois S., B.A., Portland
 Everett, Frank G., M.D., D.M.D., Portland
 Geary, Louis L., B.A., Portland
 Gehrsitz, Leta B., M.S., Portland
 Hayel, Virginia J., B.A., Portland
 Hoffman, Barbara Lou, B.A., Portland
 Hackedorn, Howard M., M.D., Portland
 Hosty, Thomas S., M.A., Portland
 Hutchens, Tyra T., M.D., Newberg

Lindsey, Ruth H., B.S., Portland
 McKeown, Scott B., M.D., Salem
 Osborne, Doris G., B.S., Beaverton
 Para, Phyllis M., B.A., Portland
 Petersen, Arthur B., M.D., Portland
 Peterson, Ruth D., M. S., Portland
 Straumfjord, Jon V., Jr., B.A., Portland
 Talman, Ellen L., B.A., Portland
 Tarshis, Maurice S., M.S., Portland
 Vidgoff, Ben, M.D., Portland
 Wiley, James W., M.D., Portland

SPECIAL STUDENTS AND AUDITORS

Hoyt, Mildred C., Milwaukee
 Ort, Joan, B.S., Toledo, Ohio

Van Arsdell, Anita, B.S., Corvallis

NURSING EDUCATION

ADVANCED NURSING STUDENTS

Baer, Eleanor, Portland
 Bly, Lorraine A., Shell Lake, Wis.
 Case, Helen R., Portland
 Corcoran, Mary C., Portland
 Couper, Margaret J., Forest Grove
 Dove, Susan E., Wallum Lake, R. I.
 Finefrock, Ann U., Los Molinos, Cal.
 Fitzpatrick, Wilma G., Newport
 Galbraith, Margaret, Sacramento, Cal.
 Greenwood, Rosamæ, Union
 Haley, Kathleen M., Portland
 Jacobson, Verna M., Portland
 Keith, Virginia M., Talent
 Kell, Elithe S., San Francisco, Cal.
 Laumbach, Ruth E., Roy, N. M.

Lerty, Madeline V., San Francisco, Cal.
 McDermid, Mary Louise, Chicago, Ill.
 Miller, Martha P., Portland
 Mondloch, Mary L., Butte, Mont.
 Mori, Lenore, Honolulu, T. H.
 Parker, Lucille S., Portland
 Parker, Valeria G., Portland
 Parks, Virginia E., Tigard
 Penner, Elizabeth E., Salix, Iowa
 Pfenning, Arleen D., Dayton
 Plant, Florence G., Portland
 Smith, Emily C., Portland
 Telles, Frances A., Firebaugh, Cal.
 Towne, Dorothy A., Portland
 Trivelpiece, Maxine R., Bishop, Cal.

DEGREE STUDENTS

Alexander, Nancy Ann, Crescent City, Cal.
 Artz, Maureen A., Salem
 Averill, Joan P., Milwaukee
 Bailey, Burnice L., Portland
 Barrett, Elsie M., Caldwell, Idaho
 Belling, Lucille M., Portland

Berberet, Margaret K., Portland
 Blessinger, Io J., Emmett, Idaho
 Bodway, Nan A., Springfield
 Boozier, Mary Jane, Sherwood
 Bradbury, Mildred M., Challis, Idaho
 Bredice, Ruth J., Greenville, Mich.

Butler, Dessie D., John Day
 Caldwell, Jean M., Newberg
 Cassidy, Anne L., Eugene
 Cappa, Betty J. L., Tacoma, Wash.
 Carlson, Dorothy O., Portland
 Christensen, Dorothy Mae, McMinnville
 Church, Ruth P., Yuma, Ariz.
 Collins, Helen M., Eugene
 Cook, Letha L., Eugene
 Cram, Priscilla F., Portland
 Crow, Luella H., Roseburg
 Dahlberg, Betty M., Portland
 Dombkowski, Helen J., North Granby, Conn.
 Eberle, JoEllen R., Portland
 Eliasson, Hilda E., Astoria
 Erdmann, Mary R., Glenwood
 Feinberg, Hilda J., Portland
 Fischer, Anna E., Dallas
 Fossen, Shirley K., Bend
 Freet, Ruth P. A., Hollywood, Cal.
 Fujihara, Tamaye, Portland
 Hanna, Ruth Ann, Portland
 Harlow, Shirley J., Portland
 Herigstad, Pauline A., Silvertown
 Holten, Madeline E., Brockville, Ontario
 Hoover, Florence Belle, Longview, Wash.
 Howard, Haroldine Ann, Portland
 Hraskey, Rosella V., Portland
 Huffman, Vivienne A., Taft
 Ingle, Marguerite F., Portland
 Jenks, Delma Mae, Tangent
 Jenks, Shirley E., Tangent
 Johannsen, Betty L., Portland
 Jue, Janet C., Portland
 Kanchler, Ethelmae T., Ashland
 Kauffman, Josephine E., Portland
 Kennedy, Elizabeth J., Vancouver, Wash.
 Long, Virginia H., Prospect
 Lukich, Della, Portland
 Martin, Stella M., Longview, Wash.
 McDaniel, Janice A., Eugene
 McElfresh, Lois E., Eugene
 Meng, Donna J., Pontiac, Ill.

Meyers, Helen F., Echo
 Miller, Caroline L., Frenchglen
 Moeller, Elaine H., Pendleton
 Morris, Elna L., Vernonia
 Motomatsu, Toshiko, Portland
 Mulanax, Dorothy E., Portland
 Niedermeyer, Charlotte A., Medford
 Nordstrom, Evelyn M., Forbes, Minn.
 Panck, Elizabeth M., Tigard
 Patterson, Elouise E., Iloha
 Pearson, Carol Virginia, McGill, Nev.
 Pearson, Mary Anne, Eugene
 Peterson, Bernice A., Portland
 Phelps, Mary E., Portland
 Pomeroy, Marilee M., Sherwood
 Porter, Betty J., Salem
 Preston, Bettie A., Coquille
 Richardson, Cathryn F., Portland
 Rusher, Nancy Ann, Tillamook
 Satchfield, June O., Portland
 Schneider, Margaret K., Pocatello, Idaho
 Schou, Beverly K., Pocatello, Idaho
 Schultze, Betsey J., Portland
 Scagraves, Ann R., Milwaukie
 Siemens, Patricia Jane, Portland
 Simons, Marion F., Portland
 Skillingberg, Marjorie L., Portland
 Smiley, Mary Jo, Corvallis
 Smith, Elizabeth, Corvallis
 Spangler, Elizabeth V., Portland
 Staska, Romona R., Portland
 Stearns, Patricia Lee, Portland
 Sund, Jeanette E., Cannon Beach
 Sutton, Donna L., Aloha
 Torgeson, Lois C., Canby
 Vidricksen, Suzanne L., Weed, Cal.
 Wagner, Doris L., Portland
 Ward, Muriel R., Independence
 Welch, Elizabeth J., Kelso, Wash.
 Williams, A. Kolene, Carlton
 Wilson, Leonore C., Salt Lake City, Utah
 Wittmann, Suzanne J., Portland

DIPLOMA STUDENTS

Albright, Helen Kay, Glendale, Cal.
 Ambro, Mary Lou, Portland
 Anderson, Katherine M., Portland
 Austin, Olive Jane, Portland
 Baker, Pauline J., Sunny Valley
 Beardslee, Mary C., Sheridan
 Beers, Louise E., Vancouver, B.C.
 Brinks, Lois G., Denver, Colo.
 Cantway, Carol Ann, Salem
 Carrels, Anna R., Eugene
 Connor, Mary M., Ashland
 Dichtel, Dorothy J., Oregon City
 Durtschi, Hilda C., Portland
 Ferguson, Patricia A., Portland
 Fosner, Donna B., Sherwood
 Genge, Shirley M., Vancouver, B. C.
 Hackney, Gloria D., Portland
 Hartse, Donna Mae, Portland
 Hill, Marian L., Boise, Idaho
 Holdt, Jane C., Portland
 Holt, Virginia L., Lebanon
 Honey, LaVerne E., Portland
 Hoss, Mary M., Portland
 Huber, Betty Jean, Grants Pass
 Hurd, Wanda J., Oregon City
 Jannsen, Mary Lou, Estacada
 Jeans, Alice F., Eugene
 Keller, Jacquelynn E., Estacada
 Kemmerer, Joanne E., Milwaukie
 Kerns, Dorothea L., Vancouver, Wash.
 Kinney, Novia Annette, Hillsboro
 Knapp-Smith, Nancy C., Cherryville
 Kohlhoff, Gay, Beaverton
 Korschuh, Viola B., Cluney, Alberta
 Leinan, Jewel L., Newberg
 Main, Norma Jean, Salem

Mason, Esther C., Milwaukie
 May, Martha C., Bend
 McKinney, Audrey J., Dayton
 McMullen, Esther J., The Dalles
 Merrick, Leona M., Salem
 Miller, Verna L., Redmond
 Munson, Hazel W., Salem
 Nelson, Ruth E., Pilot Rock
 Nelson, Virginia A., Rathdrum, Idaho
 Osburn, Patricia L., Portland
 Parsons, Ruth E., Portland
 Partridge, Mary Irene, Garibaldi
 Peterson, Edith L., Lunds Valley, N. D.
 Post, Charlotte M., Salem
 Rankin, Mona M., Portland
 Rathjen, Lois J., Salem
 Reinke, Jean E., Portland
 Rogers, Crystal O., Portland
 Root, Betty Jean, San Jose, Cal.
 Rugg, Beverly G., Pilot Rock
 Russ, Mary E., Pueblo, Colo.
 Schuman, Beverly Jean, Portland
 Shakespeare, Mary L., Springville, Iowa
 Smith, Irma L., Portland
 Taylor, Daphne A., Kennewick, Wash.
 Thomason, Dorothy C., Eugene
 Tinker, Dorothy L., Goshen
 Tykeson, Ruby M., Sherwood
 Walters, Wilma J., Blockton, Iowa
 Watkins, Evalyn J., Medford
 Wheeler, Effie S., Portland
 Whitfield, Joan M., Salida, Cal.
 Williams, Shirley Mae, McMinnville
 Wilson, Marian E., Portland
 Zimmerman, Lorena G., Scio

PEDIATRIC AFFILIATES

Barry, Mary E., Pocatello, Idaho
 Bohannon, Dorothy E., Victoria, B. C.
 Brandon, Margaret E., Portland
 Brown, Florence M., Washougal, Wash.
 Budd, Hazel F., College Place, Wash.
 Conn, Hertha B., Leduc, Alberta
 Dedman, Peggy M., Twin Falls, Idaho
 Ekdahl, Mary E., Coahabamba, Bolivia
 Empey, Ardis E., Pocatello, Idaho
 Frost, Onalee M., Portland
 Genovese, Genevieve, Rome, N. Y.
 George, Mary M., South Bolton, Quebec
 Gepford, Marjorie A., Beaverton
 Hanson, Mary Lou, Hillsboro
 Heeren, Barbara Jean, Hayward, Cal.
 Johnson, Carol N., Escalon, Cal.
 Johnson, Edith M., Idaho Falls, Idaho
 Jones, Audrey B., Wallowa
 Jones, Vesta M., Rockland, Idaho
 Karinen, Norma E., Lead, S. D.
 Kittleson, Audrey D., Portland
 Klovano, Patricia Anne, Portland
 Koch, Lydia, Portland
 Kolbensvik, Marilyn J., Portland
 Kusznieryk, Rose Marie, Portland
 Lee, Flora A., Portland
 Maynard, Hazel L., Gresham
 Melnychuk, Ethel R., Beauvallon, Alberta
 Mudge, Virginia R., Vancouver, Wash.
 Muhonen, June P., Boise, Idaho
 Nightengale, Lillian M., Portland
 Pearson, Lloyd A., Red Deer, Alberta
 Person, Bernice M., Coeur d'Alene, Idaho
 Reiersen, Ruth I., Hillsboro
 Roseman, Mildred L., Sherwood
 Samuelson, Anne Marie, Shelley, Idaho
 Saylor, Doris L., Albert Park, Alberta
 Schafer, Evelyn A., Edmonton, Alberta
 Schaffner, Lois G., National City, Cal.
 Scheresky, Grace D., Benedict, N. D.
 Sherman, Johnita B., Napa, Cal.
 Schultz, Frances L., Warrenton
 Smith, Olga, Kitchener, Ontario
 Spenst, Zipporah L., Auburn, Wash.
 Stirland, Yvonne, Pocatello, Idaho
 Tanaka, Kathleen T., College Heights, Alberta
 Vilen, Eugenia M., Escalon, Cal.
 Wareham, Goldie E., Portland
 Warneke, Irma C., Portland
 Wenger, Ellen E., Centralia, Wash.
 Williams, Marion C., Sheridan
 Zimmers, Helen, Vancouver, B. C.

SPECIAL STUDENTS

Adams, Myrtle B., The Dalles
 Anderson, Vernita A., Tacoma, Wash.
 Bickford, Clara E., Hillsboro
 Bloom, Alyce E., Portland
 Clementson, Nora L., Menomonie, Wis.
 Danielson, Alice H., Bend
 Dombrosky, Rosemary T., The Dalles
 Duerksen, Tina, Salem
 English, Jean O., Toledo
 Foster, Irene C., Portland
 Franz, Vesta L., Dallas
 Guy, Mary W., Eugene
 Heidel, Alice A., Gooding, Idaho
 Hoffman, Naida F., Portland
 Hussett, Olive A., Portland
 Kelly, Esther E., Salisbury, Md.
 Kernen, Irene, Del Norte, Colo.
 Komar, Olga J., Portland
 Lakin, Catherine, Portland
 Litzinger, Blanche E., The Dalles
 Luttrell, Eleanor F., Vancouver, Wash.
 Mitchell, Verda, Dakota, Ill.
 Overlin, Mary Louise, Portland
 Patterson, Shirley E., Olympia, Wash.
 Rasaka, Laila S., Dayton
 Reeve, Laurabel, Wendom, Minn.
 Richter, Roberta L., Portland
 Robinson, Mathilda S., Portland
 Ruge, Myrna E., Twin Falls, Idaho
 Sharf, Alice R., Portland
 Simpson, Margaret B., Portland
 Sorenson, Lillian M., Plentywood, Mont.
 Steyaert, Helen E., Sherwood
 Steube, Dorothea C., Portland
 Tachella, Genevieve V., Pendleton
 Taylor, Phyllis A., Glenwood, Iowa
 Tucker, Wanda F., Ambler
 Van Schuyver, Margaret F., Portland
 Webster, Catherine, Portland
 Weible, Betty L., Camas, Wash.
 Zara, Anne M., Portland
 Zerwas, Elaine T., Seattle, Wash.

Enrollment, Summer 1948

MEDICINE

GRADUATE STUDENTS

Buckinger, Robert H., B.S., Seattle, Wash.
 Christensen, Leonard, M.D., Portland
 Douglas, Lois S., B.A., Portland
 Everett, Frank G., M.D., Portland
 Gilmer, Graham, Jr., B.A., Portland
 Hackedorn, Howard M., M.D., Oswego
 Havel, Richard J., B.A., Seattle, Wash.
 Henriques, Charles C., B.S., Portland
 Hosty, Thomas S., M.A., Portland
 Huckins, Alva R., Jr., B.A., Portland
 Jungck, Edwin C., B.S., Portland
 Lewis, Laurence J., B.A., Portland
 Livingstone, Ernest T., B.A., Oswego
 Osborne, Doris G., B.S., Beaverton
 Para, Phyllis M., B.A., Portland
 Peterson, Frank R., B.A., Tacoma, Wash.
 Straumfjord, Jon V., Jr., B.A., Astoria
 Talman, Ellen L., B.A., Portland
 Vidgoff, Ben, M.D., Portland
 Whitlock, David G., B.S., Portland

SPECIAL STUDENT

Thompson, Catherine D., Portland

NURSING EDUCATION**ADVANCED NURSING STUDENTS**

Colburn, Helen L., Rainier
Dove, Susan E., Albany
Gearhart, Elizabeth J., Portland
Hanna, Ruth A., Portland
McDermid, Mary L. J., Chicago, Ill.

Mori, Lenore, Hualaloa, Kona, T. H.
Owens, Teresa V., Vancouver, Wash.
Smith, Emily C., Portland
Trivelpiece, Maxine R., Bishop, Cal.

DEGREE STUDENTS

Artz, Maureen A., Salem
Bellinger, Lucille M., Portland
Bly, Lorraine A. Shell Lake, Wis.
Butler, Dessie D., John Day
Caldwell, Jean M., Newberg
Cappa, Betty J. L., Tacoma, Wash.
Carlson, Dorothy O., Portland
Cassidy, Anne L., Eugene
Christensen, Dorothy M., McMinnville
Eliasson, Hilda E., Astoria
English, Jean O., Toledo
Erdmann, Mary R., Glenwood
Feinberg, Hilda J., Portland
Herigstad, Pauline A., Silverton
Hoover, Florence B., Longview, Wash.
Huffman, Vivienne A., Taft
Jenks, Delma M., Tangent
Kauffman, Josephine E., Portland
Kennedy, Elizabeth J., Vancouver, Wash.
McDaniel, Janice A., Eugene
Meyers, Helen F., Echo

Miller, Caroline L., Frenchglen
Motomatsu, Toshiko, Portland
Niedermeyer, Charlotte A., Medford
Pearson, Carol V., McGill, Nev.
Porter, Betty J., Salem
Preston, Bettie A., Coquille
Richardson, Cathryn F., Portland
Rose, Elizabeth E., Hillsboro
Rusher, Nancy A., Tillamook
Satchfield, June O., Portland
Schneider, Margaret K., Pocatello, Idaho
Schou, Beverly R., Pocatello, Idaho
Seagraves, Ann R., Milwaukie
Siemens, Patricia J., Portland
Skillingberg, Marjorie L., Portland
Spangler, Elizabeth V., Portland
Stearns, Patricia L., Portland
Welch, Elizabeth J., Kelso, Wash.
Williams, A. Kolene, Carlton
Wittmann, Suzanne J., Portland

DIPLOMA STUDENTS

Albright, Helen Kay, Portland
Ambro, Mary Lou, Portland
Austin, Olive Jane, Portland
Baker, Pauline J., Sunny Valley
Beardslee, Mary C., Sheridan
Beers, Louise E., Vancouver, B. C.
Cantway, Carol Ann, Salem
Carrels, Anna R., Eugene
Condit, Janice N., Kelso, Wash.
Connor, Mary M., Ashland
Dichtel, Dorothy J., Oregon City
Durtschi, Hilda C., Portland
Emmons, Kathleen W., Salem
Ferguson, Patricia Ann, Portland
Fosner, Donna B., Sherwood
Genge, Shirley M., Vancouver, B. C.
Hackney, Gloria D., Portland
Hill, Marian L., Boise, Idaho
Holdt, Jane C., Portland
Honey, La Verne E., Portland
Hoss, Mary M., Portland
Huber, Betty Jean, Grants Pass
Hurd, Wanda J., Oregon City
Jannsen, Mary Lou, Estacada
Jeans, Alice F., Eugene
Keller, Jacquelynne E., Estacada
Kemperer, Joanne E., Milwaukie
Kerne, Dorothea L., Vancouver, Wash.
Kinney, Novia Annette, Hillsboro
Knapp-Smith, Nancy C., Cherryville
Lee, Mary Gem, Hazelton, Idaho

Leinan, Jewel L., Newberg
Main, Norma Jean, Salem
Mason, Esther C., Milwaukie
May, Martha C., Bend
McKinney, Audrey J., McMinnville
McMullen, Esther J., The Dalles
Miller, Verna I., Redmond
Munson, Hazel W., Salem
Nelson, Ruth E., Pilot Rock
Osburn, Patricia L., Portland
Parsons, Ruth Ellen, Portland
Partridge, Mary I., Garibaldi
Peterson, Barbara L., Independence
Peterson, Edith L., Lunds Valley, N. D.
Post, Charlotte M., Salem
Rankin, Mona M., Portland
Rathjen, Lois J., Salem
Reinke, Jean E., Portland
Root, Betty Jean, San Jose, Cal.
Russ, Mary E., Pueblo, Colo.
Shakespeare, Mary L., Portland
Smith, Irma L., Portland
Smith, Lois M., Portland
Taylor, Daphne A., Kennewick, Wash.
Thomason, Dorothy C., Eugene
Tinker, Dorothy L., Goshen
Tykeson, Ruby M., Sherwood
Walters, Wilma J., Blockton, Iowa
Wheeler, Effie, Portland
Whitfield, Joan M., Portland
Wilson, Marian E., Portland

PEDIATRIC AFFILIATES

Crawford, Ethele F., Denver, Colo.
 Darling, H. Maxine, Salem
 Fisher, Jane C., Portland
 Hardt, Marjory P., Newberg
 Hermanson, Edna L., Woodburn
 Hussey, Audrey H., Pocatello, Idaho
 Lawson, Beverly J., McMinnville

MacPhail, Madeline M., Lacombe, Alberta
 Miller, Ruth E., Prosser, Wash.
 Poole, Vieth L., Melstone, Montana
 Tatum, Vena I., Portland
 Thurston, Mildred E., Payette, Idaho
 Turner, Mildred J., Portland

SPECIAL STUDENTS AND AUDITORS

Allen, Arlene W., Silverton
 Barrett, Mayme B., American Lake, Wash.
 Bartell, Glen M., Portland
 Bearss, Jack H., Portland
 Bickford, Clara E., Hillsboro
 Borum, Vaunda M., Vancouver, Wash.
 Brick, Sister M. Cuniberta, Baker
 Collier, Sister Mary, B.A., Pendleton
 Davis, Lois C., Vancouver, Wash.
 Dike, Barbara, Salem
 Erdmann, S. Roberta, Glenwood
 Faraday, Maxine E., Portland
 Fisher, Helen M., Portland
 Frisbie, Blanche E., Medford
 Ganiere, Ruth, Portland
 Gartin, Electa G., Couer d' Alene, Idaho
 Gavin, Jane D., Portland
 Grondahl, Joan K., Portland
 Hubbard, Alice, Salt Lake City, Utah
 Huys, Garibelle H., Baker
 Hyslop, Kathleen M., Portland
 Ingle, Marguerite F., Portland
 Jones, Audrey E., Toledo
 Kingston, Emma Louise, Vancouver, Wash.
 Kitzmiller, Annette V., Condon

Lee, Gertrude M., Heron, Montana
 Littler, Ethel C., Albany
 McRea, Dorothy G., Portland
 Miller, Naomi Belle, Klamath Falls
 Oechsler, Dorothy A., Portland
 Parker, Valeria G., Portland
 Penlick, Victoria, Walla Walla, Wash.
 Plett, Erma E., Grants Pass
 Pollard, Ellen M., Lake Stevens, Wash.
 Reed, Constance C., Silverton
 Roberts, Olga B., Portland
 Runte, Vivien E., Milwaukie
 Schuier, John S., Portland
 Smith, Audrey M., Salem
 Stewart, Charlotte O., Portland
 Ullman, Florence J., Seattle, Wash.
 Unterreiner, Ann L., Vancouver, Wash.
 Vreeland, Viola M., Boise, Idaho
 Webster, Catherine, Portland
 Weisser, Florence E., Portland
 Williams, Bessie, Portland
 Wilson, Marie A., O'Brien
 Yeary, Bernice, Aurora
 Young, Nova B., Portland

Summary of Enrollment and Degrees, 1948-49

SUMMARY OF ENROLLMENT, MEDICINE, 1948-49

	Men	Women	Total
First year.....	73	3	76
Second year.....	70	4	74
Third year.....	54	10	64
Fourth year.....	55	4	59
Total, regular students.....	252	21	273
Graduates.....	13	9	22
Specials and auditors.....	—	3	3
Total.....	265	33	298

SUMMARY OF ENROLLMENT, NURSING EDUCATION, 1948-49

Diploma students.....	71
Degree students.....	97
Advanced certificate students.....	30
Pediatric affiliates.....	52
Special students.....	42
Total.....	292

SUMMARY OF ENROLLMENT, SUMMER, 1948

Medicine graduates.....	20
Medicine special.....	1
Nursing education:	
Diploma students.....	62
Degree students.....	41
Advanced certificate students.....	9
Pediatric affiliates.....	13
Special students.....	49
Total, nursing education.....	174

SUMMARY OF DEGREES AND CERTIFICATES GRANTED, 1948-49

Medicine*	
Doctor of Medicine.....	59
Doctor of Philosophy.....	1
Master of Science.....	6
Nursing Education†	
Bachelor of Science.....	23
Certificate in Public Health Nursing.....	11

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

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

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 Blatchford, R. C., 22
 Bloom, Alyce, 27
 Bocek, Max, 12
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 Bollam, D. C., 19
 Bolton, W. M., 21
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 Bouvy, H. M., 21
 Boyd, Zola, 25, 62
 Boyden, A. M., 19
 Boyden, G. L., 21, 23, 24, 26
 Boylston, G. A., 14, 16
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 27, 60
 Brandon, S. A., 18
 Breese, M. W., 22, 61
 Brennaman, Mary, 62
 Brice, Gwynn C., 24, 25
 Bridgeman, M. L., 22
 Brill, I. C., 13, 15
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