

O R E G O N

State System of
Higher Education

B U L L E T I N



University of Oregon

Medical School

Catalog Issue

1947-48

Portland, Oregon

UNIVERSITY OF OREGON
MEDICAL SCHOOL

CATALOG

1947-48



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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1947

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ACADEMIC CALENDAR

Fall Term, 1947-48

September 29, *Monday*.....Examination for removal of deficiencies

September 30, *Tuesday*.....Registration

October 1, *Wednesday*.....Instruction begins

November 27, *Thursday*....Thanksgiving Day, holiday

December 20, *Saturday*.....Fall term ends

December 21 to January 1, *Sunday* through *Thursday*.....Christmas recess

Winter Term, 1947-48

January 2, *Friday*.....Instruction begins for medical students

January 2, *Friday*.....Registration for nursing and graduate students

January 5, *Monday*.....Instruction begins for nursing students

March 20, *Saturday*.....Winter term ends

March 21 to 28, *Sunday* through *Sunday*Spring recess

MEDICAL SCHOOL

Spring Term, 1947-48

March 29, *Monday*.....Instruction begins for medical students

March 29, *Monday*....Registration for nursing and graduate students

March 30, *Tuesday*.....Instruction begins for nursing students

May 31, *Monday*.....Memorial Day, holiday

June 17, *Thursday*.....Commencement Convocation for Department of Nursing Education

June 18, *Friday*....Commencement for Medical School

June 18, *Friday*.....Spring term ends

Summer Term, 1948 (Department of Nursing Education)

June 21, *Monday*.....Registration

June 22, *Tuesday*.....Instruction begins

July 5, *Monday*.....Independence Day, holiday

September 4, *Saturday*.....Summer term ends

1948

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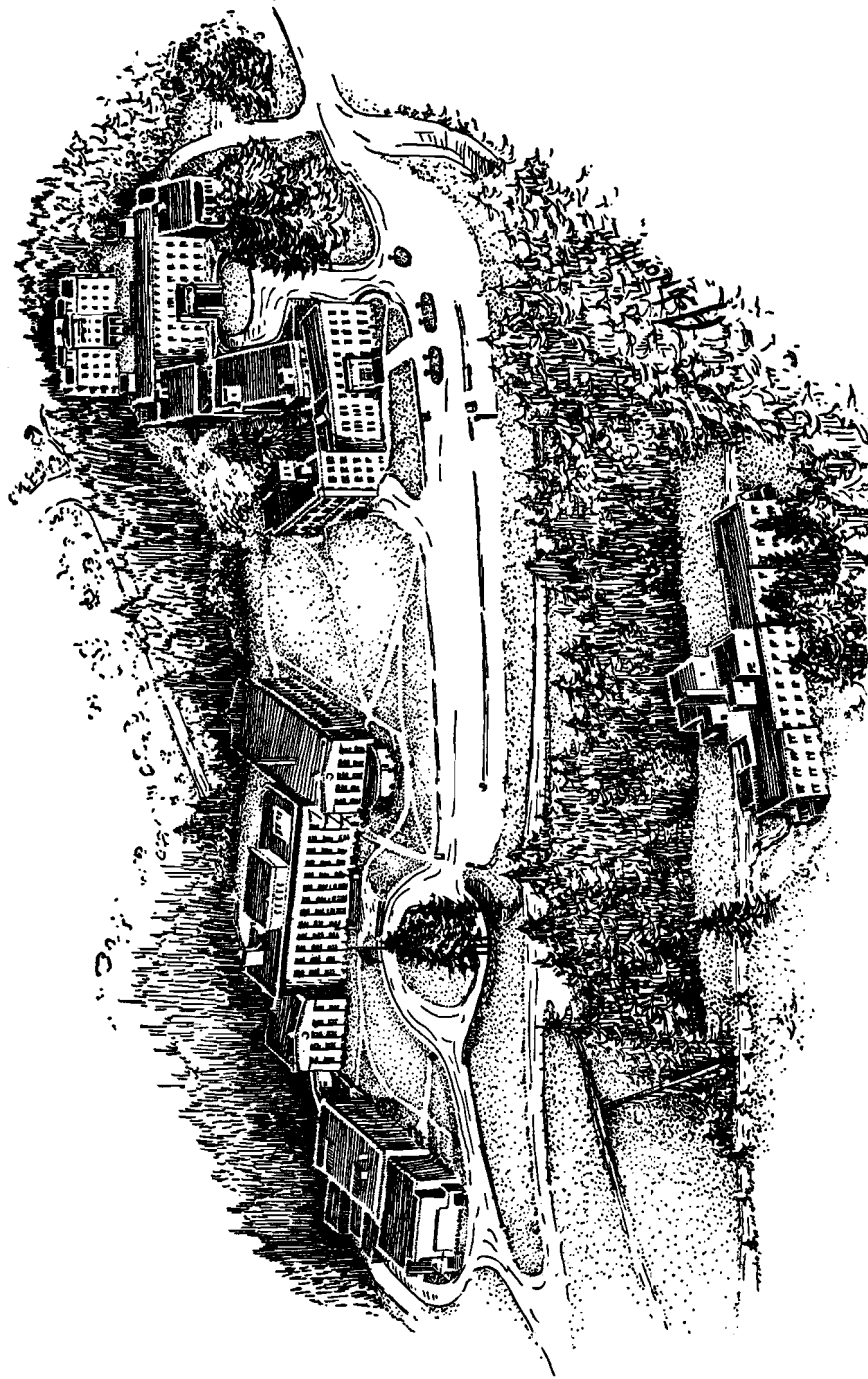
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The University of Oregon Medical School campus. Left: Medical School Library and Auditorium. Left center: Medical Science Building. Right: Doernbecher Memorial Hospital for Children; Outpatient Clinic; Multnomah Hospital; Nurses Home. Foreground: University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

University of Oregon Medical School

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 HARRY K. NEWBURN, Ph.D., President, University of Oregon.
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 WILLIAM A. ZIMMERMAN, B.S., Executive Secretary of the Medical School.
 CAROLINE O. HOOPMANN, B.S., Registrar of the Medical School.
 BERTHA BRANDON HALLAM, B.A., Librarian of the Medical School.

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 WILLIAM FITCH ALLEN, Ph.D., Sc.D., Professor Emeritus of Anatomy.
 HARRY R. CLIFF, M.D., Director Emeritus, Multnomah Hospital.
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 CHARLES RICHARD McCLURE, M.D., Professor Emeritus of Orthopaedic Surgery.
 GRACE PHELPS, R.N., Superintendent Emeritus, Doernbecher Hospital.
 LAURENCE SELLING, M.D., Professor Emeritus of Medicine.

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BARBARA INSKEEP, A.B., Technician.
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 ROGER HOLCOMB, M.D., Clinical Associate.

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Hematology

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 MARTIN F. GILMORE, M.D., Clinical Instructor.
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Neurology

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 PHILIP SELLING, M.D., Clinical Instructor.

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* Completed internship June 30, 1947.

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 JEAN TAYLOR, M.A., Frank Ralston Student Research Assistant.

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 JAMES WENDELL ROSENFELD, M.D., Associate Clinical Professor.
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 GERHARD B. HAUGEN, M.D., Psychiatrist.
 WENDELL H. HUTCHENS, M.D., Psychiatrist.
 LEON LASSERS, Ph.D., Instructor in Voice and Speech Disorders.
 ALLAN EAST, M.A., Social Service.

Crippled Children's Division

PAUL G. HAFNER, M.D., Director.
 ALYCE BLOOM, B.S., R.N., Orthopaedic Nurse Consultant.

JENNIE JACKSON, B.S., R.N., Orthopaedic Nurse Consultant.
 HYLAE FRALEY, B.A., Medical Social Consultant.
 DORIS J. SATRE, M.A., Medical Social Consultant.
 PAULINE SHEPHERD, B.S., Physical Therapist.
 MARY E. SNOOK, B.S., Physical Therapist.
 ROBERT AIREY, B.A., Assistant Accountant Auditor.
 MARIE MOONEY, Secretary.

The Medical School

THE University of Oregon Medical School has been in continuous operation since 1887, when it was granted a charter by the regents of the University of Oregon. Although the Medical School, because of its location in a different city from the other schools of the University, has administrative and faculty autonomy, the academic position of the school as an integral part of the University, established by its charter, has been strengthened by long-standing tradition, and 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 420,000), situated on the Willamette River near its junction with the Columbia, is a modern city of diverse business and industrial activities. Although 100 miles from the Pacific, Portland is an important seaport. The city is known for its beautiful homes, parks, and boulevards, and for its equable climate. The foothills of the Cascade Mountains rise on the outskirts of the city. Mount Hood, one of the major peaks of the range, towers on the southeastern horizon.

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

Campus and Buildings

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

of medical teaching and research. The campus was enlarged in 1924 by the addition of Sam Jackson Park, an adjoining tract of eighty-eight acres, a gift of Mrs. C. S. Jackson and Mr. Philip Jackson in behalf and in memory of the late Mr. C. S. Jackson. The entire campus of one hundred and nine acres occupies a site of exceptional scenic grandeur, at an elevation overlooking the city and the Willamette River, isolated from noise and smoke but within one and one-half miles of the business center. It affords an ideal setting for Medical School buildings and affiliated hospitals. In 1920 the University conveyed to Multnomah County nine acres on the campus for the construction of a general charity hospital. In 1926 a tract of twenty-five acres was deeded to the United States government as a site for a Veterans' Bureau 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 for children. It has exceptional facilities for the care of sick and disabled children committed to the Medical School by the counties of the state under the Children's Hospital Service Law.

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

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

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

The Library and the Auditorium (1939) were erected with funds provided through gifts of \$100,000 from Dr. John E. Weeks and \$100,000 from the Rockefeller Foundation, and through a grant of \$163,500 from the Public

Works Administration. The Library stacks provide shelving space for 100,000 volumes, and may be expanded to accommodate an additional 100,000. The Auditorium, with a seating capacity of 600, provides facilities for lectures and scientific meetings in the field of medicine for students in the Medical School and physicians of the state of Oregon and the Pacific Northwest.

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

Clinical and Special Facilities

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

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

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

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

Outpatient Clinic. Admissions, medical records, X-ray, laboratory, social service, and other such medical services are unified and coordinated in the Outpatient Clinic, housed in a unit connecting the Doerbecher 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 Portland Community Chest, 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, internes, 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 850 autopsies are performed a year.

Library

THE Medical School Library contains more than 42,000 volumes of books and bound periodicals and a large number of unbound periodicals. More than 650 current periodicals are received. Through the privileges of inter-library loan and microfilm service, it is possible to procure 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 to the Oregon State Medical Society and other friends of the Medical School. Material pertinent to participation by Pacific Northwest physicians in World War II is being collected by these agencies, with the aid of the editor of the *Service Bulletin* of the Oregon State Medical Society. Public acknowledgement of gifts to the Library is made by means of a printed list on the annual Commencement program.

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

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

(1) If a book borrowed from the reserve department is not returned when due, a fine of 25 cents is charged for the first hour and 5 cents for each succeeding hour, or fraction thereof, until the book is returned or reported lost. A maximum charge of \$1.00 per hour may be made in cases of flagrant violation of the rules.

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

(3) If a book, which has been reported lost and has been paid for, is returned within one year, refund will be made after deduction of the accumulated fines, plus a service charge of 50 cents.

Graduate Residency Program

ONE of the important functions of a medical school is the training of physicians in the medical specialties. The demand for such training has been greatly increased by the return of physicians from the armed services. In response, the Medical School residency program has been expanded to provide approximately 40 appointments.

Residency training follows one year of internship, and consists of a course of study for two or three years devoted entirely to one specialized field of medicine. Instruction is received both in the 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, internal medicine, obstetrics and gynecology, ophthalmology, orthopaedic surgery, otolaryngology, pathology, pediatrics, radiology, general surgery, thoracic surgery, and urology. 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 has made 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 Course. For physicians wishing a review of particular phases of medicine, an informal program is offered. Instruction is given by means of clinics, demonstrations, ward walks, and observations. The physician may select the types of instruction he desires and the length of time he wishes to attend. Individual instruction is given by members of the faculty. This program may be started at any time and continued as long as desired.

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

Short Intensive Courses. A series of short intensive courses, usually of five days duration, is offered for physicians who wish to pursue postgraduate studies by taking frequent short periods from their practice. These courses are devoted to special subjects and are scheduled throughout the year. Instruction is given by lectures and demonstrations, the method of presentation depending upon the subject covered. These courses, which are a permanent part of the Medical School program, 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 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 pre-

paration of not less than three years of full-schedule work in an accredited college or university.

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

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

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

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

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

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

The work in organic chemistry must include the chemistry of both aliphatic and aromatic compounds. Biochemistry will not be accepted toward meeting the requirement. Students electing additional work are advised to take a course in elementary physical chemistry. At least 25 per cent of all chemistry credit must be 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. The Medical School admits as candidates for graduate degrees in these fields only those students who are preparing for a professional career in medicine or allied fields, such as dentistry, nursing, and work as a medical or dental technician.

Fees and Deposits

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

REGULAR FEES

Resident tuition, per term.....	\$60.00
Laboratory and course fee, per term.....	\$55.00
Nonresident fee, per term (in addition to fees for resident student).....	\$20.00
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
⁴ Incidental fee	\$ 4.50
For graduate students registered for 6 term hours of work or less.....	\$4.00 per term hour (minimum, \$10.00 per term)

DEPOSITS

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

SPECIAL FEES

Registration and laboratory fee for special students registered for 6 term hours of work or less....	\$6.50 per term hour (minimum, \$10.00 per term)
Auditor's fee:	
Registration and course fee per term hour for lectures.....	\$ 4.00
Registration and course fee per term hour for laboratory courses..	\$ 6.50
An auditor is a person who has obtained permission to attend classes without receiving academic credit.	

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

² The incidental fee is for student health service.

³ Graduate students do not pay a nonresident fee.

⁴ See ADMISSION AND REQUIREMENTS.

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

Graduation fee (includes \$2.00 alumni dues).....	\$ 6.50
Transcript fee	\$ 1.00
A fee of \$1.00 is charged for each transcript of credits issued after the first, which is issued free of charge.	
Evaluation fee	\$ 5.00
The evaluation fee is charged for the evaluation of transcripts submitted with the application for admission.	
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 re-instatement.	

MICROSCOPES

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

FEE REFUNDS

Students who withdraw from the Medical School and who have complied with the regulations governing withdrawals are entitled to certain refunds of fees paid, depending on the time of withdrawal. The refund schedule has been established by the Oregon State Board of Higher Education, and is on file in the Business Office of the Medical School. All refunds are subject to the following regulations:

- (1) Any claim for refund must be made in writing before the close of the term in which the claim originated.
- (2) Refunds in all cases are calculated from the date of application for refund and not from the date when the student ceased attending classes, except in unusual cases when formal withdrawal has been delayed through causes largely beyond the control of the student.

REGULATIONS GOVERNING NONRESIDENT TUITION

The Oregon State Board of Higher Education has defined a nonresident student as a person who comes into Oregon from another state for the purpose of attending one of the institutions under the control of the Board.

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

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

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 \$20,500. Awards are made to students of promise in the field of medicine. Two-thirds of the scholarships are given to men students, one-third to women students. Application should be filed with the office of the dean of the Medical School not later than April 1. Scholarships will be awarded by the dean upon the recommendation of the Scholarship Committee of the Medical School.

State Scholarships. In accordance with special authorization from the Legislature, the State Board of Higher Education awards annually a limited number of scholarships to students in the institutions of the State System who rank high in scholastic attainment and who need financial assistance. These scholarships cover tuition. Recipients must pay the building fee, the incidental fee, and special fees. Award of State Scholarships to students at the Medical School is made by the Committee on High-School Relations of the State System of Higher Education, 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 annual income of 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 will be awarded by the dean upon the recommendation of the Scholarship Committee of the Medical School.

The Frank Ralston Research Student 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 Dean's Office.

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

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

Joseph Lipshutz Memorial Essay Award. An award of \$50.00 is made annually to the fourth-year medical student writing and presenting the best paper in the field of pediatrics. The award is supported by a \$600 fund, contributed by private donors as a memorial to Dr. Joseph Lipshutz, 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 at the Medical School are eligible for loans from University student loan funds on the same basis as students on the campus at Eugene. For loan regulations see the general University Catalog.

Endowment Funds

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

The Widmer Memorial Research Fund (1939) was made available through a gift from Gertrude E. and Margaret M. Widmer, residents of Eugene, in memory of their parents and brother. The invested capital amounts to \$16,000. The income from this fund is utilized for the purposes of research and treatment of cancer and heart disease.

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

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

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

E. C. Brown Trust Fund. The income from this fund, established under the will of the late Dr. E. C. Brown, supports a state-wide program of social-hygiene education. The program is administered by the President of the University of Oregon through the Division of Public Health and Preventive Medicine of the Medical School.

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

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

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

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

Student Health

THE student health service program at the Medical School is 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 securing 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, Phi Delta Epsilon, 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 1947-48 are:

DR. JOHN F. ABEL, Portland.....	President
DR. RUSSELL H. KAUFMAN, Portland.....	Vice-President
DR. GEORGE A. C. SNYDER, Spokane.....	Vice-President
DR. ROSWELL S. WALTZ, Forest Grove.....	Vice-President
DR. THOMAS A. MCKENZIE, Eugene.....	Vice-President
DR. RICHARD F. BERG, Portland.....	Secretary
DR. HERBERT E. MASON, Beaverton.....	Treasurer

Curriculum in Medicine

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

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

The prescribed and recommended subjects for the undergraduate ses-

sions—i.e., premedical instruction—are described under ADMISSION AND REQUIREMENTS. In the first, second, third, and fourth years at the Medical School there are 4,674½ 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.

	Aggregate hours				Term hours	
	First Year	Lecture	Lab.	Clinic		Total
An 411, 412, 413.....Anatomy	99	297	---	---	396	18
An 414, 415.....Microanatomy	55	165	---	---	220	10
An 511.....Neurology	22	66	---	---	88	4
Bac 413.....Bacteriology	33	99	---	---	132	6
BCh 411, 412.....Biochemistry	77	165	---	---	242	12
Phy 412.....Physiology	33	66	---	---	99	5
Mil 411, 412, 413.....Military	33	---	---	---	33	3
	352	858	---	---	1,210	58
Second Year						
Bac 414.....Bacteriology	22	66	---	---	88	4
Pth 511, 512.....Pathology	66	198	---	---	264	12
Pth 511, 512.....Pharmacology	110	66	---	---	176	12
Phy 411, 413.....Physiology	66	132	---	---	198	10
Med 612, 613, 614.....Medicine (Phys. Diag.)	66	---	44	---	110	7
Med 511.....Medicine (Lab. Diag.)	33	99	---	---	132	6
Ps 611.....Neuropathology and Psychopathology	11	---	---	---	11	1
Sur 610.....First Aid	22	---	---	---	22	2
Sur 611.....Surgery	22	---	---	---	22	2
Mil 414, 415, 416.....Military	33	---	---	---	33	3
	451	561	44	---	1,056	59
Third Year						
PATHOLOGY:						
Pth 514.....Gynecological and Obstetrical Pathology	11	22	---	---	33	1½
Pth 515.....Laboratory Neuropathology	11	22	---	---	33	1½
MEDICINE:						
Med 617, 618, 619.....Clerkships	---	---	132	---	132	12
Med 620, 621, 622.....Medical Clinic	---	---	33	---	33	3
Med 665, 666, 667.....Medical Ward Rounds	---	---	33	---	33	1½
Med 668, 669, 670.....Practice of Medicine	198	---	---	---	198	18
Ps 613, 614.....Psychopathology	22	---	---	---	22	1
Der 611, 612, 613.....Dermatology and Syph. Clinic	---	---	33	---	33	1½
RADIOLOGY:						
Rad 611, 612, 613.....Radiographic Diagnosis	33	---	---	---	33	1½
PUBLIC HEALTH AND PREVENTIVE MEDICINE:						
PH 511.....Principles of Public Health	33	---	---	---	33	3
DENTAL AND ORAL MEDICINE:						
DM 612.....Dent. Facial Growth and Oral Path.....	11	---	---	---	11	1
SURGERY:						
Sur 612, 613.....Recitation	44	---	---	---	44	2
Sur 615.....Physiotherapy	11	---	---	---	11	½
Sur 640, 641, 642.....Clerkships	---	---	66	---	66	3
Sur 643, 644, 645.....Surg. Clinics	---	---	66	---	66	3
Sur 646, 647, 648.....Clerkship Clinic	33	---	---	---	33	1½
Sur 649.....Operative Surgery	22	---	---	---	22	1

	Aggregate hours				Term hours
	Lecture	Lab.	Clinic	Total	
Sur 661, 662..... Anaesthesia	22	.....	.....	22	1
Orp 611..... Orthopaedics	22	.....	.....	22	1
Orp 612, 613..... Surgery of Extremities .....	.....	.....	44	44	2
OPHTH., OTOL., RHIN., LARYN.:					
Eye 611..... Ophth. Lectures	11	.....	.....	11	½
Ent 611..... O. R. and L. Lectures	11	.....	.....	11	½
UROLOGY:					
Ur 611..... Lectures	11	.....	.....	11	½
OBSTETRICS:					
Obs 611..... Intro. Lect. and Demon.	22	.....	.....	22	1
Obs 612..... Lect. and Demon.	22	.....	.....	22	1
Obs 613..... Path. Preg., Labor, and Puerp.	22	.....	.....	22	1
Obs 614..... Five days' service in hospital .....	.....	.....	11	11	½
Obs 615..... Manikin	22	.....	.....	22	1
GYNECOLOGY:					
Gyn 611..... Lectures	22	.....	.....	22	1
Gyn 612..... Lectures	22	.....	.....	22	1
Gyn 613..... Clerkships .....	.....	.....	33	33	1½
PEDIATRICS:					
Ped 611, 612, 613... An. Ph. Hy. Inf. Ch. Clinic	22	.....	11	33	1½
Ped 614, 615, 616... Dis. of Inf. and Ch.	33	.....	.....	33	1½
Ped 617..... Clerkships .....	.....	.....	22	22	1
Ped 618..... Physical Diagnosis .....	.....	.....	11	11	½
	693	44	495	1,232	74½

Fourth Year

PATHOLOGY:					
Pth 613..... Gen. Path. Conf. ....	.....	.....	33	33	1½
Pth 615..... Tumor Clinic .....	.....	.....	33	33	1½
Pth 617..... Surgical Pathology .....	.....	.....	33	33	1½
MEDICINE:					
Med 624, 625, 626... Med. Outpatient Clinic .....	.....	.....	132	132	6
Med 627, 628, 629... Med. Clinic .....	.....	.....	33	33	1½
Med 635..... Tuberculosis Clinic .....	.....	.....	22	22	1
Med 636..... Diabetes, and Metabol. Outpatient Clinic .....	.....	.....	22	22	1
Med 645..... Cardiovascular-Renal Outpatient Clinic .....	.....	.....	22	22	1
Med 651..... Medical Jurisprudence	11	.....	.....	11	½
Med 658..... Allergy Clinic .....	.....	.....	11	11	½
Med 661..... Medical Economics	11	.....	.....	11	½
Med 664..... Tuberculosis Clerkship	5½	.....	.....	5½	¼
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 .....	.....	.....	11	11	½
Der 616..... Derm. Syph. Clinic .....	.....	.....	11	11	½
SURGERY:					
Sur 617..... Outpatient Clinic .....	.....	.....	33	33	1½
Sur 620..... Conference .....	.....	.....	11	11	½
Sur 621..... Gen. Surg. Clinic .....	.....	.....	11	11	½
Sur 622..... Gen. Surg. Clinic .....	.....	.....	11	11	½
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

	Aggregate hours				Term hours
	Lecture	Lab.	Clinic	Total	
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
Un 614..... Outpatient Clinic .....	.....	.....	33	33	1½
OBSTETRICS:					
Obs 616..... Clinic .....	.....	.....	22	22	1
Obs 617..... Outpatient Service (ten days' service in hospital and home deliveries) .....	.....	.....	33	33	1½
Obs 618..... Postnatal Clinic .....	.....	.....	5	5	¼
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
	126½	.....	1,050	1,176½	56

RECAPITULATION

	Aggregate hours			Total	Term hours
	Lecture	Laboratory	Clinic		
First Year	352	858	.....	1,210	58
Second Year	451	561	44	1,056	59
Third Year	693	44	495	1,232	74½
Fourth Year	126½	.....	1,050	1,176½	56
	1,622½	1,463	1,589	4,674½	247½

PRESCRIBED WORK BY DEPARTMENTS

Preclinical		Aggregate of hours
Anatomy	704	
Bacteriology	220	
Biochemistry	242	
Physiology	297	
Pharmacology	176	
Pathology	264	
Military Science	66	
Total hours, preclinical	1,969	
Clinical		
Pathology	165	
Medicine:		
General Medicine (including Preventive Medicine)	1,061½	
Nervous and Mental Diseases	33	
Psychiatry	66	
Dermatology and Syphilology	77	
Radiology	33	
Medical Jurisprudence	11	
Medical Economics	11	
Public Health	33	
Dental Medicine	11	
Surgery:		
General Surgery	451	
Orthopaedics	99	
Ophthalmology	55	
Otolaryngology, Laryngology	55	

Urology	66
Gynecology	110
Obstetrics	203
Pediatrics	165
Total hours, clinical	2,705½
Total hours, prescribed work	4,674½

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.** 6 hours fall, 8 hours winter, 4 hours spring. Lectures and quizzes, 3 hours; laboratory, 9 hours; 396 hours. Drs. Pearson, Stotler, and assistants.

An 414, 415. **Microanatomy.** 6 hours fall, 4 hours winter. Fall: lectures and quizzes, 3 hours; laboratory, 9 hours. Winter: lectures and quizzes, 2 hours; laboratory, 6 hours; 220 hours. Drs. Larsell, Tunturi, and assistants.

An 511. **Neurology and Organs of Special Senses.** 4 hours spring. Prerequisites: An 411-415. Lectures, 2 hours; laboratory, 6 hours; 88 hours. Drs. Larsell, Tunturi, and assistants.

ELECTIVE COURSES

An 416. **Microscope Technique.** 2 hours winter. Limited to 12 students. Registration only after consultation with instructor. Laboratory, 6 hours; 66 hours. Dr. Larsell and Mrs. Scott.

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

BACTERIOLOGY

REQUIRED COURSES

FIRST YEAR

Bac 413. **Medical Bacteriology and Immunology.** 6 hours spring. Lectures and recitations, 2 hours; laboratory, 6 hours; 88 hours. Drs. Sears, Frisch, and Veazie.

SECOND YEAR

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

ELECTIVE COURSES

- Bac 501. **Research in Bacteriology and Immunology.** Hours to be arranged. Drs. Sears and Frisch.
- Bac 505. **Reading and Conference.** Any term, hours to be arranged. Drs. Sears and Frisch.
- Bac 507. **Seminar in Bacteriology and Immunology.** 1 hour any term. Meetings of the departmental staff and assistants with a number of spe-

cially 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 and Todd.

BCh 505. Reading and Conference. Any term, hours to be arranged. Dr. West.

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. Dr. West.

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 and Todd.

Laboratory Diagnosis. Required for second-year students; see Med 511.

PATHOLOGY

REQUIRED COURSES

SECOND YEAR

Pth 511. General Pathology. 6 hours fall.

Study of prepared slides supplemented by experiments; fresh and museum specimens. Lectures and recitations, 3 hours; laboratory, 9 hours; 132 hours. Dr. Hunter or Dr. Sneeden.

Pth 512. General Pathology. 6 hours winter.

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

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 Sneeden.

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. Lidbeck, 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, and Obstetrics and Gynecology.

Pth 617. Surgical Pathology. 1½ hours.

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

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. Sneeden.

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

Drs. Hunter and Sneeden.

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

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

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

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

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

Dr. Hunter.

Pth 614. Attendance at Autopsies. Any term, hours to be arranged.

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

Pth 616. Tumor Clinic. ½ or 1 hour, one section each term.

Attendance at tumor clinic at U. S. Veterans' Hospital. Two hours a week for 5½ weeks, 11 hours; or two hours a week for 11 weeks, 22 hours. Dr. Menne.

PHARMACOLOGY

REQUIRED COURSES

SECOND YEAR

Phc 511. **Systematic Pharmacology and Prescription Writing.** 6 hours winter.
Lectures and quizzes, 5 hours; laboratory, 3 hours; 88 hours. Drs. David, Karr, and Dickinson.

Phc 512. **Systematic Pharmacology and Pharmacodynamics.** 6 hours spring.
Lectures and quizzes, 5 hours; laboratory, 3 hours; 88 hours. Drs. David, Karr, and Dickinson.

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

ELECTIVE COURSES

Phc 501. **Research.** Any term, hours to be arranged.
Students who are properly qualified and who can devote an adequate amount of time to the work are encouraged to pursue original investigations of pharmacological problems. Dr. David.

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

Phc 507. **Seminar.** 2 hours spring.
Open to third- and fourth-year students; 2 hours; 22 hours. Dr. David.

Phc 514. **Toxicological Analysis.** 2 hours spring.
(Second year.) Lectures and quizzes, 1 hour; laboratory, 3 hours; 44 hours. Limited to 16 students. Dr. David.

PHYSIOLOGY

REQUIRED COURSES

FIRST YEAR

Phy 412. **Digestive System, Endocrinology, Metabolism, and Renal Physiology.** 5 hours spring.
Lectures and recitations, 3 hours; laboratory, 6 hours; 99 hours. Drs. Youmans, Heller, and Renshaw, and assistants.

SECOND YEAR

Phy 411. **Blood, Circulation, and Respiration.** 5 hours fall.
Prerequisites: BCh 411, 412. Lectures and recitations, 3 hours; laboratory, 6 hours; 99 hours. Drs. Youmans, Heller, and Renshaw, and assistants.

Phy 413. **Nervous System and Senses.** 5 hours winter.
Prerequisites: An 411, 412, 413. Lectures and recitations, 3 hours; laboratory, 6 hours; 99 hours. Drs. Youmans, Heller, and Renshaw, and assistants.

ELECTIVE COURSES

Phy 414. **History of Physiology.** 1 hour winter.
One hour a week. Limited to 10 students. Dr. Youmans.

Phy 501. **Research.** Any term, hours to be arranged.
Drs. Youmans and Heller.

Phy 505. **Reading and Conference.** Any term, hours to be arranged.
Drs. Youmans and Heller.

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. Dr. Heller.

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. Dr. Youmans.

MILITARY SCIENCE AND TACTICS

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

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

Instruction is given by lectures, demonstrations, and quizzes.

REQUIRED COURSES

Mil 411, 412, 413. **Military Medicine (First Year).** 1 hour each term.

Mil 414, 415, 416. **Military Medicine (Second Year).** 1 hour each term.

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

ELECTIVE COURSES

Mil 417, 418, 419. **Advanced Military Medicine (Third Year).** 1 hour each term.

Mil 420, 421, 422. **Advanced Military Medicine (Fourth Year).** 1 hour each term.

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

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

Clinical Departments

MEDICINE

INTERNAL MEDICINE

REQUIRED COURSES

SECOND YEAR

- Med 511. **Laboratory Diagnosis.** 6 hours spring.
Lectures, 3 hours; laboratory, 9 hours; 132 hours. Drs. Osgood and Gron-dahl, and assistants.
- Med 612, 613, 614. **Physical Diagnosis.** 2 hours each term, fall and winter; 3 hours spring.
Lectures, 66 hours (total); demonstration, 44 hours (total); 110 hours. Drs. Lewis, Haney, Littlehales, Philip Selling, and Speros.

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, Coffen, Crommelin, Forster, Goodman, Krygier, Mathews, McCutchen, Joseph Miller, Robert Miller, Panton, Paquet, and Schwartz.
- Med 620, 621, 622. **Medical Clinic.** 1 hour each term.
Multnomah Hospital. One hour throughout the year, in sections; 33 hours. Drs. Gatewood, 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, Brill, Coffen, Conklin, Crommelin, Fitzgibbon, Goldsmith, Haney, Heller, Holcomb, Hollenbeck, Keane, Margason, Moore, Osgood, Riddle, Rush, Schwartz, Lawrence Selling, Speros, Stenzel, Swett, Underwood, Weinzirl, and Wilson.

FOURTH YEAR

- Med 624, 625, 626. **Medical Outpatient Clinic.** 2 hours each term.
Four hours throughout the fourth year; 132 hours. Drs. Baker, Browne, Cohen, Field, Fisher, Gilmore, Haney, Harvey, Littlehales, Lodmell, Long, McGovern, McMahan, Noehren, Paquet, Pierson, Seward, Schwartz, Scott, Philip Selling, Stenzel, Taylor, and Welch.

- Med 627, 628, 629. **Medical Clinic.** ½ hour each term.
Tuberculosis Hospital. Diseases of the chest. One hour throughout the year; 33 hours. Drs. Conklin and Speros.
- Med 635. **Tuberculosis Clinic.** 1 hour, one section each term.
Outpatient Clinic. Four hours a week for 5½ weeks, throughout the year, in sections; 22 hours. Drs. Cohen, Goodman, and Speros.
- Med 636. **Diabetes and Metabolism Division, Outpatient Clinic.** 1 hour, one section each term.
Outpatient Clinic, clinical conference. Two hours a week for one term; throughout the year, in sections; 22 hours. Drs. Blair Holcomb, Crommelin, Roger Holcomb, and Manville.
- Med 645. **Cardiovascular-Renal Disease Division, Outpatient Clinic.** 1 hour, one section each term.
Outpatient Clinic, clinical conference. Two hours a week for one term; throughout the year, in sections; 22 hours. Drs. Rush, Underwood, Brill, Coffen, Davis, Goldsmith, Haney, Paquet, Pierson, Schwartz, Stenzel, Swett, Welch, and Wilson.
- Med 651. **Medical Jurisprudence.** ½ hour spring.
Eleven hours. Drs. Hunter, Sneed, Richardson, and the district attorney of Multnomah County.
- Med 658. **Allergy Clinic.** 1 hour spring.
Outpatient Clinic. One hour a week; 11 hours. Dr. Benson.
- Med 661. **Medical Economics.** ½ hour.
Lectures on medical economics; 11 hours.
- Med 664. **Tuberculosis Clerkship.** ½ hour, one section each term.
Tuberculosis Hospital. One hour a week for 5½ weeks, throughout the year, in sections; 5½ 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.** ½ 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 conferences. Two hours a week for one term; throughout the year, in sections; 22 hours. Drs. Fitzgibbon, Hollenbeck, Boylston, DuBois, Field, Keane, Krygier, Littlehales, Lodmell, Long, Meienberg, 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, Vidgoff, Harvey, and McGovern.

Med 682. Chest Diseases Division, Outpatient Clinic. 1 hour, one section each term.

Outpatient Clinic, clinical conference. Two hours a week for one term; throughout the year, in sections; 22 hours. Drs. Conklin, Speros, Cohen, Samuel Diack, Goodman, and Hollingworth.

Med 683. Hematology Division, Outpatient Clinic. 1 hour, one section each term.

Outpatient Clinic, clinical conference. Two hours a week for one term; throughout the year, in sections; 22 hours. Drs. Osgood, Baker, Gilmore, Joseph Miller, and Riddle.

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, Materi, and Moore.

ELECTIVE COURSES

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

Dr. Osgood.

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

For third- and fourth-year students. Dr. Osgood.

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

Med 649. Tuberculosis-Control Clinic for Children. ½ hour any term.

(Fourth year.) 11 hours. Limited to 4 students. Dr. Speros.

Med 659. Electrocardiography. ½ hour fall.

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

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

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

NEUROLOGY

REQUIRED COURSES

FOURTH YEAR

Neu 614. Neurology Division, Outpatient Clinic. 1 hour, one section each term.

Outpatient clinic, clinical conference. Two hours a week for one term; throughout the year, in sections; 22 hours. Drs. Margason, Dow, Burns, Carter, and Philip Selling.

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

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

PSYCHIATRY

REQUIRED COURSES

SECOND YEAR

Ps 611. Lectures: Neuropathology and Psychopathology. 1 hour winter. A series of lectures covering: (1) organic diseases of the central nervous

system; (2) the fundamentals of psychopathology, including anxiety mental depression, obsessions, compulsions, pathological sleep, false belief, sensory imagination, pathological sex, pathological memory, etc.; 11 hours. Drs. Dixon and Dickel.

THIRD YEAR

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

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

Laboratory Neuropathology. (See Pth 515.)

FOURTH YEAR

Psy 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, Haskins, Haugen, Hutchens, and Kenin.

Ps 619. Psychoses. ½ hour fall.

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

ELECTIVE COURSE

Ps 618. Demonstration Course in Prepsychotic Cases. 1 hour any term. (Fourth year.) One hour a week for one term; 11 hours. Limited to 8 students. Dr. Dixon.

DERMATOLOGY AND SYPHILOLOGY

REQUIRED COURSES

THIRD YEAR

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

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

FOURTH YEAR

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

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

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

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

RADIOLOGY

REQUIRED COURSES

THIRD YEAR

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

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

ELECTIVE COURSE

Rad 614. **Radiographic Technique.** ½ hour any term.

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

PUBLIC HEALTH AND PREVENTIVE MEDICINE

REQUIRED COURSE

THIRD YEAR

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

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

ELECTIVE COURSES

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

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

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

DENTAL AND ORAL MEDICINE

REQUIRED COURSE

THIRD YEAR

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

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

SURGERY

GENERAL SURGERY

REQUIRED COURSES

SECOND YEAR

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

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

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

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

THIRD YEAR

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

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

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

Lectures and demonstrations; 11 hours. Dr. Jones.

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

Multnomah Hospital. Throughout the year; 66 hours. Drs. Chauncey, Kelsey, McKirdie, Nadal, Nichols, and Packard.

Sur 643, 644, 645. **Surgical Clinic.** 1 hour each term.

Multnomah Hospital. Two hours throughout the year, in sections, in connection with clerkships; 66 hours. Drs. Davis, Gardner, Gurney, Hand, Howard, McKelvey, Martzloff, Noall, Raaf, Smith, and Zeller.

Sur 646, 647, 648. **Clerkship Clinic.** ½ hour each term.

Conference course, covering surgical clerkship and assignments. 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. Boyden, Chauncey, Gius, Guiss, Hershey, Johnsrud, Kelsey, McKirdie, Nichols, Nisbet, Packard, Roberts, Swinney, and Zeller.

Sur 620. **Surgical Conference.** ½ hour, one section each term.

One hour a week throughout the year, in sections; 11 hours. Drs. Gius, Rocky, and St. Pierre.

Sur 621. **General Surgical Clinic.** ½ hour, one section each term.

One hour a week throughout the year, in sections; 11 hours. Drs. Dodson, Howard, and Poppe.

Sur 622. **General Surgical Clinic.** ½ hour, one section each term.

One hour a week throughout the year, in sections; 11 hours. Drs. Adams, Gambee, and St. Pierre.

Sur 623, 624, 625. **General Surgical Clinic.** 1 hour each term.
Multnomah Hospital. Two hours a week throughout the year; 66 hours.
Dr. Livingston.

ELECTIVE COURSES

- Sur 601. **Research.** Any term, hours to be arranged.
- Sur 627. **Proctology Lectures.** ½ hour spring.
(Third year.) Prerequisite to Sur 628; 11 hours. Dr. Laird.
- Sur 628. **Proctology.** ½ hour, one section each term.
(Fourth year.) A clinic of diseases of rectum and colon. Prerequisite:
Sur 627. 11 hours. Limited to 4 students. Drs. Bollam and Laird.
- Sur 630. **Surgical Lesions of the Gastro-Intestinal Tract.** ½ hour spring.
(Third year.) Lecture and demonstration course on diagnosis, pathology,
and treatment; 11 hours.
- Sur 631. **Surgery of the Visceral Nervous System.** ½ hour winter.
(Fourth year.) Lectures and demonstrations; 11 hours.
- Sur 633. **Pain: Its Relation to Diagnosis.** ½ hour winter.
(Fourth year.) 11 hours.
- Sur 634. **Minor Surgery.** ½ hour fall.
(Third year.) Lectures and demonstrations; 11 hours. Dr. Gius.
- Sur 635. **Differential and Regional Neurosurgical Diagnosis and Therapeutics.** ½ hour winter.
(Fourth year.) Lectures and demonstrations; 11 hours. Limited to 12
students. Dr. Raaf.
- Sur 636. **Acute Abdominal Lesions.** ½ hour spring.
(Fourth year.) Lectures; 11 hours. Dr. Gambee.
- Sur 660. **Outpatient Clinic.** Any term, hours to be arranged in accordance
with the requirements in the regular Outpatient Clinic course.
(Fourth year.) Elective credit for completion of clinical work in the de-
partment in addition to that required in the regular Outpatient Clinic
course.

ORTHOPAEDIC SURGERY

REQUIRED COURSES

THIRD YEAR

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

FOURTH YEAR

- Orp 616. **Orthopaedic Outpatient Clinic.** 1½ hours each term.
One hour three times a week for 11 weeks; throughout the year, in sec-

tions; 33 hours. Drs. Abele, Begg, Berg, Chuinard, Davis, Kimberley,
McKelvey, Noall, and Smith.

ELECTIVE COURSE

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

OPHTHALMOLOGY

REQUIRED COURSES

THIRD YEAR

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

FOURTH YEAR

- Eye 612. **Eye Outpatient Clinic.** 1½ hours, one section each term.
Six hours a week for 5½ weeks; throughout the year, in sections; 33
hours. Drs. Swan, Butler, Henton, 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 in the regular Outpatient Clinic course.
(Fourth year.) Elective credit for completion of clinical work in the de-
partment in addition to that required in the regular Outpatient Clinic
course.

OTOLOGY, RHINOLOGY, AND LARYNGOLOGY

REQUIRED COURSES

THIRD YEAR

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

FOURTH YEAR

- Ent 612. **Ear, Nose, and Throat Outpatient Clinic.** 1½ hours, one section
each term.
Practical instruction in examination and treatment of cases. Six hours a
week for 5½ weeks; throughout the year, in sections; 33 hours. Drs.
Adix, Beattie, Bolton, DeWeese, Jordan, Kuhn, Pulliam, Saunders,
Scovis, Ten Eyck, and Titus.

- Ent 613. **Ear, Nose, and Throat.** ½ hour winter.
Lectures, demonstrations, and quizzes at each lecture and operative clinic; 11 hours. Drs. Boyden and Bailey.

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 anaesthetics, 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. Hutton.

FOURTH YEAR

- Sur 663. **Clerkship in Anaesthesia.** ½ hour, one section each term.
Observation of anaesthetic procedures in the operating room, and directed supervision in assisting the administration of the various types of anaesthesia. Two hours a week for 5½ weeks; 11 hours. Dr. Hutton.

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. Hutton.

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; 1 hour, twice a week; 22 hours. Drs. Fearl, Ronald Neilson, and Seitz.
- Obs 612. **Lecture and Demonstration Course in Obstetrics.** 1 hour winter.
Mechanism of normal and abnormal presentation; manikin demonstration; care of the newborn child. Obstetrical technique; forceps, version, pubiotomy, cesarean section, and embryotomy; 1 hour, twice a week; 22 hours. Drs. Clancy, Fearl, Ronald Neilson, and Seitz.
- Obs 613. **Pathology of Pregnancy, Labor, and the Puerperium.** 1 hour spring.
Lecture and demonstration; 1 hour, twice a week; 22 hours. Drs. Fearl, Ronald Neilson, Seitz, and Wilson.
- Obs 614. **Attendance at Deliveries.** ½ hour any term.
Multnomah Hospital. Each student required to be in attendance and observe deliveries for a period of five days in Multnomah Hospital; prerequisite: Obs 611; 11 hours. Dr. Stearns.
- Obs 615. **Manikin.** 1 hour, one section each term.
Lectures and demonstrations; 2 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, Fearl, Kinzell, Lage, Duncan Neilson, Ronald Neilson, Nelson, Scales, and Whitely.
- Obs 617. **Outpatient Service.** 1½ hours any term.
Delivery of patients in the home and hospital, and attendance upon mother and child after delivery. Each student required to be in attendance at all deliveries in hospital and home during an assigned period of ten days; prerequisite: Obs 614; 33 hours. Dr. Stearns.
- Obs 618. **Postnatal Clinic.** ½ hour, one section each term.
Outpatient Clinic. One hour a week for 5 weeks; 5 hours. Drs. Stearns, Baker, Lage, Duncan Neilson, Ronald Neilson, and Wilson.

Obs 619, 620, 621. **General Clinic.** ½ hour each term.
Multnomah Hospital. One hour each week throughout the year; 33 hours. Drs. Nelson and Seitz.

Obs 622. **Clerkships.** ½ hour, one section each term.
Multnomah Hospital. Two hours a week for 5½ weeks; 11 hours. Dr. Fearl.

ELECTIVE COURSES

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

Obs 660. **Outpatient Clinic.** Any term, hours to be arranged in accordance with the requirements in the regular Outpatient Clinic course.
(Fourth year.) Elective credit for completion of clinical work in the department in addition to that required in the regular Outpatient Clinic course.

GYNECOLOGY

REQUIRED COURSES

THIRD YEAR

Gyn 611. **Gynecology.** 1 hour winter.
Lectures, demonstrations, and recitations, 2 hours; 22 hours. Dr. Stearns.

Gyn 612. **Gynecology.** 1 hour spring.
Lectures and recitations, 2 hours; 22 hours. Dr. Stearns.

Gyn 613. **Clinical Clerkships.** 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, DeAlvarez, Dowsett, Fearl, Frazier, Lage, Duncan Neilson, Ronald Neilson, and Wilson.

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 sections; 11 hours. Drs. Stearns and Fearl.

ELECTIVE COURSES

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

Gyn 618. **Postoperative and Gynecological Endocrinology.** 1 hour any term.
(Fourth year.) Outpatient Clinic. Attendance at Outpatient Clinic one two-hour period each week; 22 hours. Limited to 8 students. Drs. Stearns, DeAlvarez, Fearl, Lage, Duncan Neilson, and Ronald Neilson.

Gyn 660. **Outpatient Clinic.** Any term, hours to be arranged in accordance with the requirements in the regular Outpatient Clinic course.
(Fourth year.) Elective credit for completion of clinical work in the department in addition to that required in the regular Outpatient Clinic course.

PEDIATRICS

REQUIRED COURSES

THIRD YEAR

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

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

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

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

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

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

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

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

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

FOURTH YEAR

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

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

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

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

ELECTIVE COURSES

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

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

Outpatient Clinic; 11 hours. Limited to 5 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.
 ELNORA E. THOMSON, R.N., F.A.P.H.A., Professor Emeritus.
 *MAISIE V. WETZEL, M.S., R.N., F.A.P.H.A., Associate Professor.
 ELEANOR PALMQUIST, M.A., R.N., Associate Professor; Course Director of Public Health Nursing.
 JOHANNA VREELAND, M.S., R.N., Associate Professor; Course Director of Teaching and Supervision Programs.
 MARY JACKSON, B.S., R.N., Assistant Professor; Supervisor of Clinical Instruction.
 GUHLI 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 SLOCUM, M.A., R.N., Assistant Professor; Coordinator for the Preprofessional Curriculum.
 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).
 HELEN CRUIKSHANK, B.S., R.N., Instructor (Nursing Arts).
 EVA DAVIS, B.S., R.N., Instructor (Public Health Nursing).
 PAULINE FISCHER, B.S., R.N., Instructor (Dietetics).
 RITA KAITZ, B.S., R.N., Instructor (Tuberculosis Nursing).
 ROMA KITTLESBY, B.S., R.N., Instructor (Medical Nursing).
 AGNES McCONNELL, B.S., R.N., Instructor (Obstetrical Nursing).
 ALICE SHARP, R.N., Instructor (Operating Room).
 KATHERINE VETSCH, B.S., R.N., Instructor (Pediatric Nursing).
 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.
 HARRY JOHNSON SEARS, Ph.D., Professor of Bacteriology.
 ADOLPH WEINZIRL, M.D., Professor of Public Health and Preventive Medicine.
 EDWARD STAUNTON WEST, Ph.D., Professor of Biochemistry.
 WILLIAM BARTON YOUNG, M.D., Professor of Physiology.
 ARTHUR W. FRISCH, Ph.D., M.D., Associate Professor of Bacteriology.
 CARL GEORGE HELLER, M.D., Associate Professor of Physiology.
 LAWRENCE NOALL, M.D., Associate Professor of Orthopaedic Surgery.
 LONDON HOWARD SMITH, M.D., Associate Clinical Professor of Pediatrics.
 JOHN H. BENWARD, M.D., Assistant Professor of Pediatrics.
 HERMAN S. DICKEL, M.D., Assistant Clinical Professor of Psychiatry.
 WENDELL H. HUTCHENS, M.D., Assistant Clinical Professor of Psychiatry.
 JAMES T. SPEROS, M.D., Assistant Professor of Medicine.

* Leave of absence effective Dec. 22, 1947.

JOHN T. VAN BRUGGEN, Ph.D., Assistant Professor of Biochemistry.
 LYLE VEAZIE, Ph.D., Assistant Professor of Bacteriology.
 ALLEN M. BOYDEN, M.D., Clinical Associate in Surgery.
 GEORGE B. LONG, M.D., Associate in Medicine.
 WERNER E. ZELLER, M.D., Clinical Associate in Surgery.
 INEZ BROWNLEE, M.S., Instructor in Bacteriology.
 CHARLOTTE LOUISE CLANCY, M.D., Clinical Instructor in Obstetrics and Gynecology.
 SHERMAN J. DEUR, M.D., Clinical Instructor in Urology.
 DAVID D. DEWEESE, M.D., Clinical Instructor in Otolaryngology.
 TERENCE COCHRAN, M.D., Resident in Pathology.
 GEORGE C. MCCALLUM, M.D., Resident in Ophthalmology.
 DONALD E. OLSON, M.D., Teaching Fellow in Anatomy.
 ALFRED F. HEWITT, M.S., Student Assistant in Physiology.

Hospitals and Clinics Teaching Staff

Doernbecher Children's Hospital

SHIRLEY M. THOMPSON, M.S., R.N., Assistant Professor; Superintendent.
 EVELYN JORDAN BARTON, R.N., Instructor; Night Supervisor.
 BLANCHE CHELEWSKI, R.N., Assistant Instructor; Head Nurse.
 WINNIFRED DE WITT, B.S., R.N., Assistant Instructor; Operating Room Supervisor.
 PHYLLIS TAW NELSON, B.S., Assistant Instructor; Dietitian.
 JEWEL NEUENFELDT, B.S., R.N., Assistant Instructor; Head Nurse.
 ELAINE R. TEUTSCH, B.S., R.N., Assistant Instructor; Head Nurse.

Multnomah Hospital

E. KATHERINE SEARS, B.S., R.N., Assistant Professor; Director of Nurses.
 DOROTHY McREA, B.S., R.N., Instructor; Night Supervisor.
 HONORA COYLE, R.N., Assistant Instructor; Head Nurse.
 DORIS B. HARRIS, R.N., Assistant Instructor; Evening Supervisor.
 VIRGINIA LEE, B.S., R.N., Assistant Instructor; Head Nurse.
 LUELLE M. LUDEMAN, R.N., Assistant Instructor; Head Nurse.
 CLARA MCPHERSON, R.N., Assistant Instructor; Head Nurse.
 EMMA HAMMOND McWILLIAMS, R.N., Assistant Instructor; Head Nurse.
 MAE RAWLINSON, B.S., R.N., Assistant Instructor; Head Nurse.
 DOROTHY M. ROBLEE, R.N., Assistant Instructor; Head Nurse.
 RUTH E. STUCKER, R.N., Assistant Instructor; Head Nurse.

General Outpatient Clinic

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

Tuberculosis Hospital

LAVELLA PHELPS, B.S., R.N., Assistant Professor; Superintendent.
 DOREEN ERIKSON, B.S., R.N., Assistant Instructor; Evening Supervisor.
 DORTHA HEARN, R.N., Assistant Instructor; Head Nurse.
 ERMA L. KLENK, R.N., Assistant Instructor; Head Nurse.
 ALICE MCCOY MADDOCK, B.S., R.N., Assistant Instructor; Operating Room Supervisor.
 ETHA MORRIS, B.S., R.N., Assistant Instructor; Head Nurse.

Instructors and Lecturers from Health and Social Agencies

ALICE M. BAHR, Ph.D., Lecturer in Nutrition.
 HARRIETT BRENESTALL, B.S., R.N., Supervising Nurse, Venereal Disease Clinic, Portland City Bureau of Health.
 ELIZABETH CURTIS, M.A., R.N., F.A.P.H.A., Nursing Consultant in Tuberculosis, Oregon State Board of Health.
 SAIDIE ORR DUNBAR, Executive Secretary, Oregon Tuberculosis Association.
 AILEEN DYER, M.P.H., R.N., F.A.P.H.A., Director, Division of Public Health Nursing, Oregon State Board of Health.
 GORDON EDWARDS, M.D., Director, Venereal Disease Control Section, Oregon State Board of Health.
 HAROLD M. ERICKSON, M.D., State Health Officer, Oregon State Board of Health.
 HELEN FISHER, R.N., Director of School Nursing, School Hygiene Division, Portland City Bureau of Health.
 HYLAE FRALEY, B.A., Medical Social Consultant, Crippled Children's Division.
 JANE GAVIN, M.A., R.N., Consultant in Public Health Nursing, Oregon State Board of Health.
 LAURA HARSTAD, B.S., R.N., Nursing Consultant in Maternal and Child Health, Oregon State Board of Health.
 ELIZABETH MARTIN, M.A., R.N., Director, Portland Visiting Nurse Association.
 ALFRED MASTEN, M.D., Director, Tuberculosis Control Section, Oregon State Board of Health.
 CHARLES M. MCKILL, M.D., Surgeon, U.S.P.H.S.; Acting Director, Industrial Hygiene Division, Oregon State Board of Health.
 CORINNE PENNINGTON, B.S., R.N., Supervising Nurse, Washington County Health Department.
 JULIA SHELDON, B.S., R.N., Supervisor of Nursing Service, Multnomah County Health Department.
 MAURICE VEST, M.D., Director, Maternal and Child Health Division, Oregon State Board of Health.
 KATHERINE 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), MARY JACKSON, ELEANOR PALMQUIST, LAVELLA PHELPS, KATHERINE SEARS, OLIVE SLOCUM, SHIRLEY THOMPSON, JOHANNA VREELAND, MAISIE WETZEL.

Advisory Committee

HENRIETTA DOLTZ (chairman), CHARLES HOLMAN, MARY JACKSON, ELEANOR PALMQUIST, LAVELLA PHELPS, KATHERINE SEARS, OLIVE SLOCUM, SHIRLEY

THOMPSON, JOHANNA VREELAND, EDWARD WEST, MAISIE WETZEL, WILLIAM ZIMMERMAN.

Committees

Admissions—OLIVE SLOCUM (chairman), HENRIETTA DOLTZ, CHARLES HOLMAN, CAROLINE HOOPMANN, MARY JACKSON, ELEANOR PALMQUIST, KATHERINE SEARS, MAISIE WETZEL, ADOLPH WEINZIRL.

Curriculum and Schedule—HENRIETTA DOLTZ (chairman), CAROLINE HOOPMANN, MARY JACKSON, ELEANOR PALMQUIST, GERTRUDE PETERSON, LAVELLA PHELPS, KATHERINE SEARS, SHIRLEY THOMPSON, JOHANNA VREELAND, MAISIE WETZEL. Liaison members: CHARLES HOLMAN, OLOF LARSELL, HARRY SEARS, EDWARD WEST.

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

Public Health Nursing Advisory Committee—ELEANOR PALMQUIST (chairman), HARRIETT BRENESTALL, HENRIETTA DOLTZ, AILEEN DYER, HELEN FISHER, ELIZABETH MARTIN, CORINNE PENNINGTON, GERTRUDE PETERSON, JULIA SHELDON, IRENE SLADE, MAISIE WETZEL, BERNICE YEARY.

Scholarship Committee—MARY JACKSON (chairman), EMMA BEEMAN, ROMA KITLESBY, AGNES MCCONNELL, DOROTHY McREA, GUHLI OLSON, ALICE SHARP, SHIRLEY THOMPSON.

Committee on Integration of Social and Health Aspects in the Basic and Graduate Curricula—EVA DAVIS (chairman), MILDRED BERGHEIM, HELEN CRUIKSHANK, JOHANNA EGGERS, MARY JACKSON, RITA KAITZ, ROMA KITLESBY, AGNES MCCONNELL, ELEANOR PALMQUIST, GERTRUDE PETERSON, LAVELLA PHELPS, KATHERINE VETSCH, JOHANNA VREELAND, LOUISE WASSON, MAISIE WETZEL.

Committee for the Study of a Counseling and Guidance Program—JEANETTE BENEFIEL (chairman), HELEN CRUIKSHANK, MARY JACKSON, ROMA KITLESBY, DOROTHY McREA, LAVELLA PHELPS, ALICE SHARP.

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

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

Social Committee—EVA DAVIS (chairman).

Faculty Representatives on Student Council—MARY JACKSON, DOROTHY McREA.

General Information

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

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

HISTORY

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

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

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

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

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

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

BUILDINGS

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

LIBRARY

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

STUDENT HOUSING

Three residences are provided for students in the basic degree curriculum. A limited number of rooms are available at the rate of \$20.00 a month for a double room and \$25.00 a month for a single room, for students enrolled in the advanced curricula.

SCHOLARSHIPS, LOANS, AND PRIZES

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

Scholarships are also made available through the Oregon Federation of Women's Clubs, the Auxiliary of the American Legion, the Daughters of the American Revolution, 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.

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

Certain graduate nurses are also eligible for scholarships and loans from the national nursing organizations.

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

Under Title VI of the Social Security Act, a limited amount of money is available for the financial assistance of graduate nurses wishing advanced training in the field of public health nursing. Application should be made to the director of the Division of Public Health Nursing of the Oregon State Board of Health.

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

HEALTH PROGRAM

Before admission to the basic degree or basic diploma curriculum, the student is required to take a health examination, including a tuberculin test. She must be vaccinated against smallpox and inoculated against typhoid fever and diphtheria. After admission, all students receive a routine physical

examination, including an orthopaedic examination and X-ray of the chest. Students with negative tuberculin reactions are retested every six months, or as often as necessary. All students have chest X-rays directly preceding and six weeks following experience at the Tuberculosis Unit, and every six months thereafter until completion of their work in the department.

In case of illness, students 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.

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

ADMISSION AND REQUIREMENTS

Basic Degree Curriculum. The basic degree curriculum, which leads to a Bachelor of Science degree with a major in nursing education, consists of five terms in preprofessional work at an accredited college, plus eleven terms of professional work at the Medical School. For admission to the professional curriculum in the Department of Nursing Education, completion of the pre-professional curriculum as listed on page 69 is required.

A student seeking admission to the professional curriculum should: (1) send to the Department of Nursing Education an official transcript of her college record; (2) file an application (together with a report of pre-entrance physical and dental examinations) on forms provided by the department, at least three months prior to admission date; and (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.

Basic Diploma Curriculum. This program leads to the graduate nurse diploma and carries 45 hours of credit toward the degree of Bachelor of Science, with a major in nursing education. High-school graduates meeting the general entrance requirements of the University of Oregon are eligible for admission. Preference is given to applicants who have had chemistry and mathematics in high school.

A student seeking admission to this curriculum must: (1) be 18 years of age; (2) rank in the upper third of her high-school class; (3) send to the Department of Nursing Education an official transcript of her high-school record; (4) file an application (together with a report of pre-entrance physical and dental examinations) on forms provided by the department, at least three months prior to the admission date; and (5) take the nursing-aptitude test given by the National League of Nursing Education, unless excused by the Committee on Admissions. The Committee on Admissions selects students on the basis of scholarship and personal qualifications.

Advanced Professional Curricula. The specialized curricula for graduate nurses are outlined on pages 71-73. Credits earned in any of these curricula may be applied toward a Bachelor of Science degree, with a major in nursing education, provided the student has satisfied the requirements of the University of Oregon or Oregon State College for admission with freshman standing.

Admission is selective, with preference being given to graduate nurses

from schools of recognized standing, whose personal and professional qualifications meet the requirements of the field they wish to enter.

A student seeking admission must: (1) file an application (together with a record of a physical examination) on forms provided by the Department of Nursing Education, (2) send to the department official transcripts of high-school, college, and school-of-nursing records, and (3) take American Public Health Association student tests I and II.

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.

SCHOLASTIC 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.

FEES AND DEPOSITS

Preprofessional Course (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	10.50
Building fee, per term	5.00
Nonresident fee, per term (in addition to fee for resident students)	50.00

Basic Degree Curriculum

(For students at the Medical School)

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

Basic Diploma Curriculum

(For students at the Medical School)

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

Graduate Nurse Programs

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

¹ The incidental fee is for student health service.

Part-Time Students and Auditors

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

Special Fees and Penalties

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

Special Expenses
(For basic students only)

Room rent for first quarter	\$60.00
Uniforms and cape (shoes not included)	68.80
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 the entire diploma curriculum at the Medical School for a student who is an Oregon resident is \$400.00.

The student receives pay totaling \$190.00 during her clinical experience, which may be applied toward her tuition.

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 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 Examinations and Registration of Nurses. At least 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.

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

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

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

Diploma Curriculum. As a war emergency, the Department of Nursing Education instituted a three-year curriculum in nursing leading to a diploma as a graduate nurse. It is not anticipated that this curriculum will be maintained as a permanent part of the program of the Department of Nursing Education. The class work is in no way related to the degree curriculum until the student begins her clinical experience in the specialties in the hospital units of the University of Oregon Medical School hospitals and clinics.

BASIC DEGREE CURRICULUM**First Year**

Any accredited university or college

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

Second Year

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

	Term hours			
	Fall	Winter	Spring	Summer
Zoology	4	4	---	---
Sociology	3	3	---	---
Psychology	3	3	---	---
Nutrition	3	---	---	---
Physical Education	1	1	---	---
Electives	3	3	---	---
Elementary Nursing Arts (Nur 210, 211)	---	---	1	8
Elementary Pharmacology (Phc 213)	---	---	2	---
Anatomy (An 311)	---	---	4	---
Bacteriology (Bac 230)	---	---	5	---
Organic and Biochemistry (Ch 255)	---	---	5	---
Professional Adjustments (Nur 130)	---	---	---	1
Physiology (Phys 312)	---	---	---	4
Pathology (Pth 314)	---	---	---	2
Pharmacology (Phc 329, 330)	---	---	---	3
	17	17	17	18

Third Year**Medical School**

Clerkship (Nursing-Care Studies) (Nur 313)	2	---	---	---
Lectures and Nursing in Medical Diseases (Nur 314, 315)	2	2	---	---
Lectures and Nursing in Surgical Diseases (Nur 316, 317)	2	2	---	---
Lectures and Nursing in Surgical Specialties (Nur 318, 319)	3	2	---	---
Clinics and Clinical Practice in Medical and Surgical Diseases (Nur 351, 352)	4	6	---	---
Diet in Disease (Nur 369)	2	---	---	---
Operating-Room Technique (Nur 344)	---	1	---	---
Public Health and Communicable Diseases (Nur 335)	---	---	3	---
Clinical Practice in Diet Kitchen (Nur 368)	---	---	3	---
Obstetrical Nursing (Nur 412)	---	---	4	---
Behavior Aspects of Child Conduct (Nur 487)	---	---	3	---
Clinics and Clinical Practice in Operating-Room Technique (Nur 343)	---	---	---	4
Psychiatric Nursing (Nur 413)	---	---	---	3
Clinics and Clinical Practice in Obstetrical Nursing (Nur 442)	---	---	---	6
Introduction to Methods in Public Health Nursing (Nur 443)	---	---	---	3
	15	13	13	16

Fourth Year
Medical School

	Term hours			
	Fall	Winter	Spring	Summer
Pediatric Nursing (Nur 415)	4	---	---	---
Clinics and Clinical Practice in Pediatric Nursing (Nur 441)	6	---	---	---
Clinics and Clinical Practice in Medical and Surgical Diseases (Nur 353)	---	6	---	---
Clinics and Clinical Practice in Tuberculosis Nursing (Nur 350)	---	3	---	---
Seminar in Nursing (Nur 407)	---	---	2	---
History of Nursing (Nur 410)	---	---	3	---
Clinical Practice in Community Nursing (Nur 349)	---	---	---	3
Emergency Nursing (Nur 460)	---	---	---	2
Survey of Field and Related Professional Problems (Nur 414)	---	---	---	3
	10	9	5	8

One additional term is taken at the Medical School, during which the student spends full time in clinical practice on a service in which she has a special interest.

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	18	26
Surgery	24	28
Diet kitchen	6	6
Operating room	8	8
Dressing room	2	2
Obstetrics	13	13
Pediatrics	13	13
Tuberculosis	6	6
Community nursing	6	6
Nursing electives	13	13
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 term	27	---
Second term	22	18
Third term	14	30
Fourth term	14	34
Second Year:		
Two terms, per term	6	42
Third term	---	44
Fourth term	6	38
Third Year:		
First term	6	42
Second term	5	39
Third term	---	44

At no time does the student's work, including classes, total more than 48 hours per week. Every student has one full day each week off duty and one full day off for all holidays.

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

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

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

The University State Tuberculosis Hospital, devoted to the care of patients with tuberculosis. The unit has an 80-bed capacity and a large outpatient department which provides

both medical and surgical facilities for teaching. Students receive six weeks' experience in this unit.

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

Advanced Professional Curricula

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

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

CURRICULUM IN PUBLIC HEALTH NURSING

The public health nursing curriculum provides a sound educational program of study to prepare the graduate nurse for the field of public health nursing. It assists the nurse to acquire the knowledge, attitudes, interests, abilities, and professional skills which the public health nurse should have in order to function with professional competence in relation to the health needs of the individual, family, and community.

A close working relationship is maintained with the Oregon State Board of Health and other social and health agencies, including the City Bureau of Health, Visiting Nurse Association, and county health departments. These agencies assist in teaching, provide consultation service, and supervise field experience. United States Public Health Service personnel give valuable assistance. The program includes three terms of theory and four months of field experience. In planning student schedules, previous academic courses and field experience are given consideration. Prerequisites are one term each of sociology, psychology, and English composition. These courses may be taken concurrently with work at the Medical School if a longer period of time is allowed to complete the curriculum.

The student must furnish her own uniforms, as well as transportation, for the field-experience period. Field experience will be much more valuable for the student if she has an automobile. Mileage will be allowed by most agencies. All students must learn to drive and secure a driver's license before beginning field experience.

The student may carry full- or part-time work, but all requirements should be completed within a three-year period. If the work is not completed within this period of time, an application for re-admission must be submitted, and the student must fulfill all courses required at the time of re-admission.

	Term hours
Introduction to Case-Work Methods (Nur 416)	3
Community Organization (Nur 418, 419)	4
Nutrition for Public Health Nurses (Nur 444)	3
Mental Hygiene Aspects of Public Health Nursing (Nur 445)	3
Introduction to Public Health Nursing (Nur 461)	3
Organization and Administration of Public Health and Public Health Nursing (Nur 462)	3
Introduction to Public Health Nursing Supervision (Nur 463)	3
Field Work, Interviewing, and Work with Agencies (Nur 464)	5
Methods of Teaching Health (Nur 465, 466)	6

Field Work in Public Health Nursing (Nur 468)	5
Field Work in Public Health Nursing (Nur 469)	5
Systems in Public Health Nursing (Nur 470)	5
Vital Statistics (Nur 471)	2
Physical and Emotional Growth (Nur 482)	3
Advanced Public Health (Nur 490)	3
Electives	8
	<hr/>
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CURRICULUM IN WARD ADMINISTRATION

The curriculum in ward administration is designed to prepare the nurse for the position of head nurse in a hospital connected with a school of nursing. The required total of 48 term hours includes 35 term hours of primary courses and 13 term hours in the special field of choice.

	Term hours
Primary Courses:	
*General Psychology	6
*General Sociology	5
Introduction to Case-Work Methods (Nur 416)	3
*Educational Psychology; or Mental Hygiene Aspects of Public Health Nursing (Nur 445)	3
Technique in Ward Administration (Nur 450)	3
Principles of Teaching (Nur 451)	3
Principles of Supervision (Nur 452)	3
Introduction to Public Health Nursing (Nur 461)	3
Electives	6
	<hr/>
	35
Requirements for Pediatric Nursing:	
Primary courses	35
Clinical Pediatric Nursing (Nur 476)	6
Advanced Pediatrics for Nurses (Nur 480, 481)	4
Physical and Emotional Growth (Nur 482)	3
	<hr/>
	48
Requirements for Medical Nursing:	
Primary courses	35
Advanced Principles in Medical Nursing (Nur 420)	2
Advanced Principles in Medical Nursing Specialties (Nur 421)	2
Field Work in Nursing Supervision (Nur 447)	6
Pharmacology (Phc 329, 330) or electives	3
	<hr/>
	48
Requirements for Surgical Nursing:	
Primary courses	35
Advanced Principles in Surgical Nursing (Nur 426)	2
Field Work in Nursing Supervision (Nur 447)	6
Surgical Specialties (Nur 486)	2
Electives	3
	<hr/>
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CURRICULUM IN TEACHING AND SUPERVISION

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

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

	Term hours
Primary courses:	
*General Sociology	5
*General Psychology	6
*Educational Psychology; or Mental Hygiene Aspects of Public Health Nursing (Nur 445)	3

* To be taken at Portland Extension Center.

Technique in Ward Administration (Nur 450)	3
Introduction to Case-Work Methods (Nur 416)	3
Principles of Teaching (Nur 451)	3
Principles of Supervision (Nur 452)	3
Introduction to Public Health Nursing (Nur 461)	3
Electives	6
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	35

Requirements for Pediatric Nursing:

Primary courses	35
Curriculum Construction in Schools of Nursing (Nur 458)	3
Clinical Pediatric Nursing (Nur 476, 477)	12
Advanced Pediatrics for Nurses (Nur 480, 481)	4
Physical and Emotional Growth (Nur 482)	3
Electives	3
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Requirements for Medical Nursing:

Primary courses	35
Advanced Principles in Medical Nursing (Nur 420)	2
Advanced Principles in Medical Nursing Specialties (Nur 421)	2
Field Work in Nursing Supervision (Nur 477)	12
Curriculum Construction in Schools of Nursing (Nur 458)	3
Advanced Public Health (Nur 490)	3
Pharmacology (Phc 329, 330) or electives	3
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Requirements for Surgical Nursing:

Primary courses	35
Advanced Principles in Surgical Nursing (Nur 426)	2
Field Work in Nursing Supervision (Nur 447, 448)	12
Curriculum Construction in Schools of Nursing (Nur 458)	3
Surgical Specialties (Nur 486)	2
Electives	6
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CURRICULUM IN TEACHING NURSING ARTS

The curriculum in teaching nursing arts is designed to assist in the preparation of the nurse for the position of instructor in nursing arts. For admission, applicants must present evidence of at least one year's experience as a graduate nurse, preferably as a head nurse or assistant to an instructor in nursing arts. In the case of special students, this experience may run parallel with professional courses.

	Term hours
*General Psychology	6
*General Sociology	5
*Educational Psychology; or Mental Hygiene Aspects of Public Health Nursing (Nur 445)	3
Introduction to Case-Work Methods (Nur 416)	3
Teaching Nursing Arts (Nur 433)	3
Field Work in Teaching Nursing Arts (Nur 434)	6
Technique in Ward Administration (Nur 450)	3
Principles of Teaching (Nur 451)	3
Principles of Supervision (Nur 452)	3
Curriculum Construction in Schools of Nursing (Nur 458)	3
Introduction to Public Health Nursing (Nur 461)	3
Electives (to include Basic sciences, if necessary)	19
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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.

* To be taken at Portland Extension Center.

- 100-110. 200-210. Survey or foundation courses that satisfy the lower-division group requirements in the Language and Literature, Science, and Social Science groups.
 111-199. Other courses offered at first-year level.
 211-299. Other courses offered at second-year level.
 300-399. Upper-division courses.
 400-499. Upper-division courses primarily for seniors.
 500-599. Courses primarily for graduate students, but to which seniors of superior scholastic achievement may be admitted on approval of instructor and department head concerned.

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

- | | |
|--------------------------|--|
| 301, 401, 501. Research. | 305, 405, 505. Reading and Conference. |
| 303, 403, 503. Thesis. | 307, 407, 507. Seminar. |

Description of Courses

LOWER-DIVISION COURSES

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

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

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

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

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

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

***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 drugs commonly used as antiseptics and disinfectants. Lectures, 1 hour; laboratory, 2 hours; 33 hours. Mrs. Cruikshank.

***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. Application of these studies to the diagnosis, prevention, and treatment of infectious diseases. Lectures, 4 hours; laboratory, 4 hours; 88 hours. Dr. Sears and staff.

***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

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of the nurse's work in physiology, pharmacology, and other professional subjects. Various important 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 staff.

UPPER-DIVISION COURSES

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

A course in human anatomy adapted to the requirements of nurses. Lectures, 2 hours; recitation, 1 hour; laboratory, 3 hours; 66 hours. Dr. Larzell 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 staff.

†Nur 313. Clerkship (Nursing-Care Studies). 2 hours falls 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. Bergheim.

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.

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

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

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

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

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

Designed to give the student an understanding of the causes, symptoms, prevention, and treatment of the diseases classed as surgical specialties, in order that she may give better nursing care to patients. Lectures, 2

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- hours; nursing class, 1 hour; 33 hours. Drs. Deur, DeWeese, Noall, and McCallum, Mrs. Beeman and Miss Wasson.
- *Nur 327. **Nutrition.** 2 hours any term.
This course is arranged to give the student a knowledge of the nutritive value of foods, their chemical combination, and their use for different age groups in health and in disease. Lectures, 2 hours; laboratory, 2 hours; 44 hours. Miss Fisher.
- *Phc 329. **Pharmacology.** 2 hours summer or winter.
Systematic study of important drugs: mode of administration, pharmacologic action, therapeutic use, idiosyncrasies, preparations, synonyms, and dosages. Reporting of results, untoward reactions, and danger signs. Introduction to prescription writing. Lectures, 2 hours; 22 hours. Dr. David.
- *Phc 330. **Pharmacology.** 1 hour summer or winter.
Study of the important drugs as they are used in the treatment of various diseases. Special emphasis on the points which are of greatest importance in connection with the nursing care of the patient. Lectures, 1 hour; 11 hours. Miss Kittlesby.
- Nur 332. **Clinics in Psychiatry.** 3 hours.
Lectures, 1 hour; clinic, 6 hours; 77 hours.
- *Nur 335. **Public Health and Communicable Diseases.** 3 hours fall or spring.
The aim of this course is to give the student a practical understanding of the symptoms and treatment of the communicable diseases. Lectures, 3 hours; 33 hours. Drs. Speros and Weinzirl, and Miss Kittlesby.
- Nur 343. **Clinics and Clinical Practice in Operating-Room Technique.** 4 hours any term.
Eight weeks of clinical practice and conferences in the operating room. Mrs. Sharf.
- Nur 344. **Operating-Room Technique.** 1 hour.
The scientific basis for aseptic operative technique and the more-common operative procedures. Mrs. Sharf.
- Nur 349. **Clinical Practice in Community Nursing.** 3 hours any term.
Six weeks' experience in the Outpatient Clinic, with field trips to health and social agencies, to help the student gain an appreciation of the role of the nurse in an organized community health program. Miss Davis and staff.
- Nur 350. **Clinics and Clinical Practice in Tuberculosis Nursing.** 3 hours any term.
Six weeks' clinical experience in the nursing care of patients with tuberculosis. Miss Kaitz and staff.
- Nur 351. **Clinics and Clinical Practice in Medical and Surgical Diseases.** 4 hours each term.
Clinical practice on medical and surgical services, with conferences and nursing-care studies. Mrs. Beeman, Miss Benefiel, Miss Kittlesby, and Miss Wasson.
- Nur 352, 353. **Clinics and Clinical Practice in Medical and Surgical Diseases.** 6 hours each term.
Clinical practice on the medical and surgical services, with conferences

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- and clinics dealing with the more advanced principles of nursing care. Mrs. Beeman, Miss Benefiel, Miss Kittlesby, and Miss Wasson.
- Nur 368. **Clinical Practice in Diet Kitchens.** 3 hours any term.
Diet preparation, management, and serving for hospital patients. Miss Fisher and staff.
- Nur 369. **Diet in Disease.** 2 hours fall or spring.
A brief review of the principles of normal nutrition, with emphasis on the principles and procedures in the care and preparation of foods. The student assists in the simple preparation of foods, and applies the general principles of diet therapy in the modification of the general diet. Lectures, 2 hours; laboratory, 2 hours. 44 hours. Miss Fisher.
- Nur 405. **Reading and Conference.** Any term, hours to be arranged.
- Nur 407. **Seminar in Nursing.** 2 hours each term.
Arranged for advanced students in nursing. Gives the student an opportunity to study problems related to nursing. Two hours; 22 hours each term.
- †Nur 410. **History of Nursing.** 3 hours.
A study of the rich heritage of the profession of nursing, and the development of hospitals and community responsibility for care of the underprivileged. Lectures, 3 hours; 33 hours. Miss Davis.
- †Nur 411. **Contemporary Trends in Nursing.** 3 hours.
Nursing education in Europe and America during the latter half of the nineteenth century; nursing in war since the Civil War; the background and leaders of national and international associations; nursing legislation and standards. Lectures, 3 hours; 33 hours.
- Nur 412. **Obstetrical Nursing.** 4 hours any term.
A study of the value of the individual family to the race. The importance of adequate medical and nursing care for maternity patients from the beginning of pregnancy through the puerperium. Physiology and hygiene of normal pregnancy, complications, treatment, care of patients in hospital or home. Lectures, 4 hours; 44 hours. Dr. Clancy and Miss McConnell.
- †Nur 413. **Psychiatric Nursing.** 3 hours.
A study of the changes which occur in the mental condition of physically ill patients. Observation of behavior on the same basis as observation of physical factors; consideration of abnormal behavior as a symptom of disease; the relation of childhood to adult life. Causes, prevention, and treatment in mental diseases. Lectures, 3 hours; 33 hours. Dr. Dickel.
- Nur 414. **Survey of Field and Related Professional Problems.** 3 hours.
An introduction to the various branches of nursing problems; responsibilities, professional organization, relation to other professions. Opportunities for further education. Lectures, 3 hours; 33 hours. Miss Doltz.
- Nur 415. **Pediatric Nursing.** 4 hours any term.
A study of the mental and physical development of the normal child from birth to puberty. Feeding of infants and older children. Symptoms of disease in children; prevention and treatment. Lectures, 2 hours, Dr. Smith; nursing class, demonstrations, and conferences, 4 hours, Miss Cline and Mrs. Vetsch; 66 hours.

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

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

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

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

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

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

Nur 420. **Advanced Principles in Medical Nursing.** 2 hours.

Review of principles of general medical nursing. Recent developments in the cause, treatment, and prevention of the more-common medical diseases; social and economic factors involved. Attention is given to the choice of material used in teaching student nursing. Lectures, discussions, demonstrations, 2 hours; 22 hours. Miss Kittlesby and staff.

Nur 421. **Advanced Principles in Medical Nursing Specialties.** 2 hours.

Review of the principles of dermatology and of communicable-disease nursing, including tuberculosis and venereal disease; recent developments concerning cause, treatment, and prevention; social and economic factors involved. Lectures, discussions, and demonstrations, 2 hours; 22 hours. Miss Kittlesby and staff.

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

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

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

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

Nur 426. **Advanced Principles in Surgical Nursing.** 2 hours any term.

Review of the principles of general surgical nursing. Special emphasis on the recent developments concerning the cause, symptoms, prevention, and treatment of general surgical diseases. Attention given to the choice of material used in teaching student nurses. Lectures, discussions, and demonstrations, 2 hours; 22 hours. Mrs. Beeman and staff.

Nur 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 develop-

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ments in the functional health areas of public health nursing service. Lectures, 2 hours; 22 hours.

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

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

Nur 433. **Teaching Nursing Arts.** 3 hours.

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

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

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

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

Nursing care of pediatric patients in the hospital. Includes clinics and discussions conducted by a physician. Mrs. Vetsch and staff.

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

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

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

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

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

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

†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. Miss Palmquist.

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

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

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

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

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

- Nur 450. **Technique in Ward Administration.** 3 hours fall or spring.
Responsibilities of the head nurse in ward management, teaching, and supervision. Lectures, 3 hours; 33 hours. Miss Mary Jackson.
- Nur 451. **Principles of Teaching.** 3 hours winter.
Principles underlying clinical and classroom teaching in schools of nursing. Lectures, 3 hours; 33 hours. Miss Vreeland.
- Nur 452. **Principles of Supervision.** 3 hours spring.
A study of the fundamental principles underlying supervision. Lectures, 3 hours; 33 hours each term. Miss Vreeland.
- Nur 453. **Integration of the Social and Health Components of Nursing in the Basic Curriculum.** (G) 2 hours winter.
Designed to familiarize the graduate nurse with the philosophy and principles underlying integration of the social and health components of nursing in the basic curriculum, with practical application in the major clinical services. Miss Davis.
- Nur 456, 457. **Advanced Obstetrics for Nurses.** 2 hours each term.
For students who are specializing in obstetrical nursing.
- Nur 458. **Curriculum Construction in Schools of Nursing.** 3 hours.
Modern principles and methods of curriculum making; aims, standards, sources, techniques, and planning the program of study. Lectures, 3 hours; 33 hours. Miss Doltz.
- Nur 460. **Emergency Nursing.** 2 hours any term.
Emergency treatment to be given before the arrival of a doctor, in cases of accident or physical injury. Lectures, 2 hours; 22 hours.
- Nur 461. **Introduction to Public Health Nursing.** 3 hours any term.
Background, development, and fundamental principles of public health nursing; general responsibilities of the public health nurse. Lectures, 3 hours; 33 hours. Miss Wetzel and Miss Palmquist.
- Nur 462. **Organization and Administration of Public Health and Public Health Nursing.** 3 hours winter or summer.
History, development, organization, administration, and relationships of Federal, state, local, and voluntary health agencies. Application of public health nursing principles in the administration of various types of public health nursing service. Lectures, 3 hours; 33 hours. Dr. Weinzirl and Miss Peterson.
- Nur 463. **Introduction to Public Health Nursing Supervision.** 3 hours fall or spring.
An introduction to supervision; its philosophy, methods, problems, and values. Lectures, 3 hours; 33 hours. Miss Palmquist.
- †Nur 464. **Field Work, Interviewing, and Work with Agencies.** 5 hours any term.
Application, during public health nursing field experience, of interviewing techniques and cooperative service with other community agencies in solving health problems. Field work, 165 hours. Miss Wetzel, Miss Palmquist, and Miss Peterson.
- †Nur 465. **Methods of Teaching Health.** 3 hours winter or summer.
The teaching functions of the public health nurse. The principles, meth-

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- ods, 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 any term.
Planned health instruction in nursing situations. Practical application of principles based upon individual, family, and community needs. Lectures and demonstrations, 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.** 5 hours fall or spring.
Health objectives and functions of the public health nurse in the major health areas. Includes morbidity, maternal and infant health, preschool and school health, industrial hygiene, tuberculosis and communicable diseases. Lectures, 5 hours; 55 hours. Miss Peterson.
- †Nur 471. **Vital Statistics.** 2 hours.
Lectures and recitations on the collection, the arrangement, and the uses of statistical data having a bearing upon practical public health. Lectures, 2 hours; 22 hours. Miss Peterson.
- Nur 472, 473. **Clinical Orthopaedic Nursing.** 7-9 hours each term.
Opportunity for experience with children and adults in the Outpatient Clinic of the Medical School and in the Shriners Hospital for Crippled Children. Lectures, 3 hours; clinic, 18 hours; 231 hours each term.
- Nur 474, 475. **Clinical Obstetrical Nursing.** 7-9 hours each term.
Practical experience in the hospitals affiliated with the Medical School, in the Outpatient Clinic, and in homes. Lectures, 3 hours; clinic, 18 hours; 231 hours each term. Dr. Stearns and Miss Eggers.
- Nur 476. **Clinical Pediatric Nursing.** 6 hours any term.
Experience in the care of infants and children. Includes experience as assistant to ward administrator. Designed to aid in preparing the nurse for head-nursing positions in a pediatric division or hospital. 18 hours per week; 216 hours. Miss Thompson, Mrs. Vetsch, and staff.
- Nur 477. **Clinical Pediatric Nursing.** 6 hours any term.
Experience in the care of infants and children. Opportunities to work with the pediatric instructor and obtain practice in supervision and teaching of student nurses on the wards, as well as a limited amount of supervised classroom teaching. Designed for the nurse wishing to prepare for the field of supervision in pediatric nursing. 18 hours per week; 216 hours. Miss Thompson, Mrs. Vetsch, and staff.
- Nur 480, 481. **Advanced Pediatrics for Nurses.** 2 hours each term.
Consideration of the latest developments in the medical and nursing care of the sick child in institution or home; the care and feeding of the normal infant; desirable attributes of a pediatric ward, division, or hospital. Designed for nurses who wish to specialize in the field of pediatric nursing. Lectures, clinics, nursing classes, 2 hours; 22 hours each term. Dr. Smith and Miss Thompson.

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- Nur 482. Physical and Emotional Growth.** 3 hours any term.
The physical and emotional development of the child. Lectures, 3 hours; 33 hours. Dr. Benward.
- Nur 483. Control of Genito-Infectious Diseases.** 3 hours any term.
The newer methods of control of these diseases, with particular reference to the functions of the public health nurse in these programs. Lectures, 3 hours; 33 hours. Dr. Edwards.
- 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. Mrs. Beeman.
- †**Nur 487. Behavior Aspects of Child Conduct.** 3 hours.
Study of child behavior in health and disease. Dr. Hutchens.
- †**Nur 489. Problems in Child Welfare.** 2 hours.
An intensive study of child dependency, including a consideration of physical and mental handicaps and juvenile delinquency. Intended primarily to meet the needs of persons now in the field, whose work involves problems of dependency. Lectures, 2 hours; 22 hours.
- †**Nur 490. Advanced Public Health.** 3 hours winter or summer.
A general survey of the methods of controlling communicable disease; environmental sanitation and hygiene. Lectures, 3 hours; 33 hours. Dr. Weinzirl.
- Nur 491. Industrial Hygiene for Nurses.** 2 hours.
To help the nurse develop the knowledge, attitudes, interests, abilities, and professional skill which the industrial nurse needs in order to function with professional competence in relation to the health requirements of the worker, his family, and community. Lectures, 2 hours; 22 hours. Mrs. Webster and staff.

GRADUATE COURSES

- †**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. Case-Work Seminar.** 2 hours.
A discussion course designed for supervisors and executives. Individual reports on and group discussions of problem cases. Lectures and discussions, 2 hours; 22 hours.
- †**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.

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Degrees Conferred, June 1947

MEDICINE

DOCTOR OF MEDICINE

Richard Mervin Abts, B.S., Hillsboro
Ernest Foss Adams, B.S., Victorville, Cal.
Dexter Roland Amend, B.S., Portland
Joseph Lynn Axling, B.S., Portland
G. Donald Beardsley, B.A., Eugene
Helen W. Beeman, B.S., Boise, Idaho
Mary Carolyn Beyer, B.A., Astoria
Fred Henry Bishop, B.S., Portland
Jules Frederick Bittner, B.S., Portland
Robert Owen Bloch, A.B., Portland
Donald Mackay Brinton, B.A., Baker
Robert Patrick Burns, B.S., Portland
Robert J. Carson, B.A., Portland
Vernon Arnold Cates, B.S., Seattle, Wash.
William John Cathey, B.A., Portland
Arthur Milton Clark, Jr., B.S., Bellingham, Wash.
Barton Edward Clemens, B.A., Medford
Phyllis Davis, B.A., Redmond, Wash.
Alfred Ewing Dodson, Jr., B.A., Medford
Raymond C. Ellis, B.S., Ellensburg, Wash.
Walter R. Enders, B.A., Medford
Donald Linklater England, B.A., Eugene
Henry K. Gong, B.S., Portland
Harold Victor Good, M.S., Portland
Ray Victor Grewe, B.S., Arlington, Wash.
Edmund Reed Gurney, B.A., Portland
John Folsom Hayes, B.A., Portland
William Harvey Heywood, B.S., Portland
Alan E. Holtzman, B.A., Portland
Wesley Wayne Hoskins, B.S., Dayton, Wash.
Robert Clinton Jackson, B.S., Hermiston
Maynard Lee Johnson, B.S., Mount Vernon, Wash.
Robert Donald Koler, B.A., Casper, Wyo.
Clarence John Kopp, B.S., La Grande
William Wright Krause, B.A., Portland
Lawrence Dale Lealie, Ph.D., Fall Creek
David Ieuan Livermore, B.A., Portland

Joseph Bert Marcusen, B.S., Nampa, Idaho
Georgia Townsend Mason, B.A., Portland
Murdoch Earl McIntyre, B.A., Vancouver, B.C.
Donald Warren Merkle, B.S., Monroe, Wash.
Samuel Miller, B.A., Portland
Ralph D. Odell, A.M., Portland
John David O'Hollaren, B.S., Portland
Donald Ernest Olson, M.S., Portland
Edmund Vincent Olson, B.S., Vaughn, Wash.
Samuel Robert Orr, B.S., Portland
Richard John O'Shea, B.S., Portland
Abe Oyamada, B.A., Portland
George Alan Peirson, B.A., Portland
Jefferson Taylor Person, B.S., Veradale, Wash.
Arthur B. Petersen, B.S., Portland
Donald R. Peterson, M.S., Portland
Charles Calvin Pixley, B.A., Grants Pass
Howard I. Popnoe, B.S., Winifred, Mont.
Gallerand Guillaume Pouteau, B.S., Portland
Arthur Stanley Rathkey, M.A., Tenmile
Oren Rogers Richards, Jr., B.A., Portland
Robert Drylie Rowan, B.S., Tacoma, Wash.
Richard R. Sackmann, B.S., Ritzville, Wash.
Robert Pettinger Schutt, B.S., Bremerton, Wash.
Lester William Scott, B.A., Ontario
John Willard Southworth, B.S., Albany
William Edward Spies, B.S., Eugene
Donald Edward Tatum, B.S., Portland
Willis J. Taylor, A.B., Kennewick, Wash.
Frank K. Thompson, Ph.D., Redlands, Cal.
John Keyomaro Uchiyama, M.A., Cornelius
Paul Frederick Wilson, B.S., Eugene

DOCTOR OF PHILOSOPHY

Marion Lyle Veazie, M.A., Portland

MASTER OF SCIENCE

Joan McKee Barnes, A.B., Portland
Edwin Clement Jungck, B.S., Portland
William Oscar Maddock, B.S., Portland

Donald Ernest Olson, B.A., Portland
Virginia Mount Rankin, A.B., Portland

NURSING EDUCATION

BACHELOR OF SCIENCE

*Dorothea Jean Barratt, Heppner
†Janet Charley, Medford
*Patricia Jean Contryman, Portland
*Dorothy E. Cooper, Sacramento, Cal.
*Luella Lois Derrett, Elmira, Ontario, Canada
*Doone Eccles, Hood River
*Dorothy Frances Elston, Leaburg
*Jean Alice Erickson, Longview, Wash.
*Elizabeth Jane Gearhart, Portland
*Patricia Ann Gholson, Tigard
*Mary Anne Hawkins, Seaside

*Ruth Margaret Herd, Newberg
†Kathryn Anne Hill, Salem
*Marjorie Noll Irvine, Portland
*Virginia Irwin, Canby
†Marie Virginia Jacobsen, Portland
†Irene Page Johnson, Chehalis, Wash.
†Dorothy Jean Kilpatrick, Eugene
*Marene Audrey Kjelmyr, Eugene
*Adeline Jean Korish, Portland
†Laura Bernice Lillie, Arago
*Gladys Ethel Lund, Eugene
†Mary Elizabeth McLellen, Oregon City

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

*Virginia McMullen, The Dalles
 *Mildred Bernice Mendenhall, Portland
 †Etha Lorraine Morris, Vernonia
 *Eileen V. Neal, Molalla
 †Frances Matilda Nordquist, Medford
 *Elvira Altheria Pantenburg, Portland
 †Dolores Louise Petite, Portland
 †Rosemarian Rauch, Portland
 *Constance C. Reed, Silvertown
 *Martha J. Reis, Portland
 *Rose M. Rinella, Portland
 †Jean Avalon Royse, Woodburn

CERTIFICATE IN PUBLIC HEALTH NURSING

Iris May Bothamley, Creston, B.C.
 Dorothy Elizabeth Cooper, Sacramento, Cal.
 Claudia May Donnelly, Woodburn
 Mildred Bernice Mendenhall, Portland
 Lucille Page, Orem, Utah
 Elvira Altheria Pantenburg, Portland
 Vivian Alene Pence, Portland

*Pearl Vollenweider Sayles, Corte Madera, Cal.
 *Alma F. Starvich, Coos Bay
 †Dorothy Jane Stone, Gresham
 *Marjorie Ora Stout, Portland
 †Gloria Anne Stuart, Portland
 *Genevieve Vandervlugt Tachella, Pendleton
 †Betty White Varner, Corvallis
 †Mary Louise Watt, Tillamook
 *Zella Mae Welch, St. Maries, Idaho
 *Bernice Veary, Salem
 *Nova B. Young, Portland

Martha Josephine Reis, Portland
 Rose Marie Rinella, Portland
 Caroline Schaffer, South Pasadena, Cal.
 Joan Kathryn Schneider, Yamhill
 Mary Clare Stebens, Reedsville, Wis.
 Martha Helen Tapanainen, Vancouver, Wash.

Enrollment, 1946-47

MEDICINE

FIRST-YEAR CLASS

Baxter, Roberta Gail, Portland
 University of Oregon, 1943-46
 Beddow, Ralph Marlowe, Honolulu, T.H.
 State College of Washington, B.S., 1944
 Blanchard, John A., Jr., Fairview, Mont.
 Montana State College, B.S., 1941
 Bocek, Max Mark, Portland
 Oregon State College, M.S., 1938
 Boyd, Bruce Adna, Portland
 University of Idaho, 1938-41
 University of Oregon, 1941-43
 Brenneman, Eileen Marie, Albany
 University of Oregon, B.A., 1946
 Brown, Charles Straub, Honolulu, T.H.
 Stanford University, A.B., 1938
 Burgoyne, Frank Nelson, Kamloops, B.C.
 University of British Columbia, 1944-46
 Calkins, Mary Eileen, Portland
 Linfield College, 1943-46
 Carney, William Anthony, Portland
 University of Oregon, 1931-34, 1945-46
 Casey, Leroy Virgil, Portland
 Willamette University, A.B., 1939
 Cassard, Fredrick, Seattle, Wash.
 University of Washington, 1943-46
 Chloupek, Tom Vidger, Pendleton
 Northwestern University, B.A., 1937
 Christopher, John R., Camas, Wash.
 Willamette University, A.B., 1942
 Cram, John Woodrow, Portland
 Albany College, 1938-41
 University of Oregon, 1941-42, 1945-46
 Crombie, Charles William, McMinnville
 Linfield College, B.A., 1944
 DeLorme, Robert Darrow, Portland
 Illinois College of Chiropractic, 1937-40
 Reed College, 1942-44, 1945-46
 Durham, Ray Samuel, Lewiston, Idaho
 Stanford University, A.B., 1942
 Gilmer, Graham, Jr., Lynchburg, Va.
 Hampden-Sydney College, B.A., 1935
 Gustafson, Ivan John, Monroe, Wash.
 State College of Washington, B.S., 1942

Hanson, Victor Robert, Kelso, Wash.
 Bemidji State Teachers College, 1937-41
 Oregon State College, 1946
 Hargraves, Allen Pershing, Inkom, Idaho
 University of Idaho, Southern Branch,
 1937-39
 Oregon State College, 1945-46
 Harlin, Allan Junior, Seattle, Wash.
 University of Washington, 1942-43
 State College of Washington, 1943-44
 University of Oregon, 1944
 Harris, Bernice G., Seattle, Wash.
 University of Washington, M.S., 1946
 Harris, John Edward, Toledo, Ohio
 State University of Iowa, Ph.D., 1940
 Hastings, Ben Karyl, Portland
 Central College, B.A., 1944
 Honig, Emanuel M., Brooklyn, N.Y.
 Brooklyn College, B.S., 1935
 Honodel, Robert C., Bremerton, Wash.
 State College of Washington, B.S., 1942
 Huckins, Alva Ray, Jr., Portland
 Reed College, 1938-40, 1945-46
 Hunsaker, Robert Dale, Klamath Falls
 Willamette University, B.S., 1946
 Inahara, Toshio, Payette, Idaho
 University of Oregon, 1938-41
 University of Wisconsin, 1944-46
 Jeppesen, Donald Martin, Eugene
 University of Oregon, 1943-44
 Willamette University, 1944-45
 Johnson, Berkeley Halden, College Place,
 Wash.
 State College of Washington, B.S., 1942
 King, Charles Delson, Missoula, Mont.
 Montana State University, B.A., 1943
 Krause, Vivian E. J., Seattle, Wash.
 University of Washington, B.S., 1946
 Lawrence, Maurice William, San Diego, Cal.
 San Diego State College, A.B., 1937
 Lawton, Raymon Edgar, Bremerton, Wash.
 University of Washington, B.S., 1946
 Leavitt, Elton David, Spokane, Wash.
 University of Idaho, B.S., 1942

Martin, Kenneth Lassen, Portland
 Reed College, 1943
 Central College, 1943-45
 Meyer, Robert Edwin, Portland
 University of Washington, B.S., 1942
 Mickel, Edwin Albert, Portland
 University of Oregon, 1941-44
 Rensselaer Polytechnic Institute, 1945
 Oregon State College, 1946
 Millican, Douglas Elmos, Portland
 University of Oregon, 1940-43
 Moores, Kenneth Dabney, Seattle, Wash.
 Whitman College, A.B., 1946
 Myers, Gordon Carl, Portland
 Pacific University, 1942-43
 Willamette University, 1943-44
 Neary, Mark Rohde, Portland
 Willamette University, 1937-40
 Reed College, 1945-46
 Niece, William Kenyon, Sedro-Woolley,
 Wash.
 University of Washington, B.S., 1942
 Peterson, Frank Richard, Tacoma, Wash.
 Willamette University, A.B., 1946
 Pittenger, Robert Glenn, Medford
 University of Oregon, 1943-46
 Proud, Harry Stewart, Portland
 University of Wyoming, B.A., 1934
 Putnam, Roger Ky, Salem
 Lewis & Clark College, 1934-35
 University of Oregon, 1935-36
 Oregon State College, 1936
 Willamette University, 1937-40, 1945-46
 Radmore, Barbara Joy, Springfield
 University of Oregon, 1943-46
 Retzlaff, Ernest Walter, Corvallis
 Oregon State College, B.S., 1945
 Ringrose, Neil M., Seattle, Wash.
 University of Washington, B.S., 1940
 Schneider, Constine O., Salem
 Willamette University, 1937-40, 1945-46
 Senders, Wilbur L., Albany
 Oregon State College, 1943-44
 Willamette University, 1944-45
 Smith, Donald Dean, Portland
 University of Portland, 1941-43

Alden, Neil Charles, Portland
 Reed College, 1941-45
 Anderson, Edgar Harrison, Portland
 University of Oregon, B.A., 1940
 Ashford, Thomas Phillip, Boise, Idaho
 College of Idaho, 1943-44
 Willamette University, 1944-45
 Asmussen, Robert Erich, Wendell, Idaho
 University of Idaho, B.S., 1946
 Beetem, Kaenia P., Portland
 University of Oregon Medical School,
 Ph.D., 1944
 Boyd, Stanley Alden, Portland
 Willamette University, A.B., 1945
 Buckinger, Robert H., Seattle, Wash.
 University of Washington, B.S., 1945
 Carrigg, Norman Francis, Portland
 Reed College, 1941-43
 Central College, 1943-44
 Chenoweth, Bruce Robert, Portland
 Oregon State College, 1942-43
 University of Oregon, 1943-44
 Davis, David Russell, REXBURG, Idaho
 Willamette University, B.S., 1946
 Davis, Melvin Roger, Port Orchard, Wash.
 University of Washington, B.S., 1946
 Downs, Charles Raymond, Davenport, Okla.
 University of Oregon, 1943-44

Snider, Howard Roy, Bellingham, Wash.
 Western Washington College of Educa-
 tion, 1938-40, 1942
 University of Washington, 1940-41, 1945-46
 Snyder, D'Annette, Petersburg, Alaska
 Reed College, B.A., 1942
 Stalder, Marvin Paul, Portland
 Pacific University, 1935-36
 Reed College, 1943-46
 Stampfer, Joseph P., Portland
 Linfield College, 1937-40
 University of Oregon, 1945-46
 Stephenson, George William, Seal Rock
 University of Oregon, B.A., 1939
 Stern, Thomas Lee, Portland
 Willamette University, 1943-45
 Stice, Virgil E., Lehi, Utah
 Brigham Young University, 1933-35, 1937
 U. S. Naval Academy, 1935-37
 University of Oregon, 1945-46
 Sullivan, Robert Brooks, Portland
 Oregon State College, B.S., 1938
 Taylor, Carolyn Francis, Portland
 University of Oregon, 1943-46
 Teipner, William Albert, Reno, Nev.
 Colorado College, 1944-45
 University of Nevada, 1946
 Tyler, Donald Earl, Ontario
 University of California at Los Angeles,
 1944-45
 Volstorff, Clifton Henry, Hood River
 University of Oregon, 1936-41, 1945-46
 Wade, Harland Albert, Seattle, Wash.
 University of Washington, 1942-44
 Wedel, Elmer Paul, Salem
 Willamette University, A.B., 1941
 Weholt, Theodore Bjorn, Spokane, Wash.
 State College of Washington, B.S., 1945
 Whitmer, John Harrison, McMinnville
 Montana State College, 1941-43
 Oregon State College, 1944-46
 Witmer, Frank Joseph, Portland
 Multnomah College, 1941-42
 Reed College, 1942
 Denver University, 1945-46
 Wolfe, Peter Thomas, Jr., Corvallis
 Oregon State College, B.S., 1946

SECOND-YEAR CLASS

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 Idaho, Southern Branch,
 1943-45
 Harder, John N., Jr., Kahlotus, Wash.
 Whitman College, A.B., 1945
 Harrison, William Dale, Portland
 Lewis and Clark College, 1942-44
 Willamette University, 1944-45
 Herman, Frank Richard, Eugene
 University of Oregon, B.S., 1946
 Hevel, Shirley Roger, Pendleton
 University of Oregon, 1943
 Carroll College, 1943-44
 University of Washington, 1944-45
 Hoover, Reynolds K., Jr., Longview, Wash.
 University of Oregon, B.S., 1946
 Hurley, Thomas Jerry, Portland
 University of Oregon, B.S., 1946
 Johnson, Geraldine Maree, Yakima, Wash.
 University of Washington, B.S., 1945
 Kelley, Kathryn Ann, Klamath Falls
 Oregon State College, B.A., 1944

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

King, Harvey Eng, Seattle, Wash.
University of Washington, 1943-45
Kokko, Ruth Ilona, Portland
Reed College, B.A., 1944
Krasnopolsky, Urick Michael,
Long Island, N.Y.
University of Idaho, 1943-44
Lattig, Gerald James, Payette, Idaho
University of Idaho, B.S., 1944
Lee, Harry, Portland
University of Oregon, 1942-45
Lienhard, Wendell Frederick,
San Antonio, Tex.
University of Oregon, B.S., 1946
Mallett, Richard Jerome, Gresham
Willamette University, 1943-45
Mink, Morrie, Portland
University of Oregon, 1942-45
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.
Montana State College, 1943-44
University of Idaho, 1944
Parkinson, Leonard Spencer, Franklin,
Idaho
University of Idaho, Southern Branch,
1943-45
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, 1937-39, 1942-44
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

THIRD-YEAR CLASS

Asbury, George Francis, Puyallup, Wash.
University of Oregon, B.S., 1946
Bahrs, Alice Matilda, Loomis, Cal.
University of Oregon, Ph.D., 1930
Baker, George Richard, Yakima, Wash.
University of Washington, B.S., 1945
Bass, Myron Albert, Cheney, Wash.
University of Oregon, B.S., 1947
Bowers, Cyril Yarling, Longview, Wash.
University of Oregon, B.A., 1946
Burgoyne, Ben Ross, Newberg
University of Oregon, B.S., 1948
Carter, Charles Conrad, Seattle, Wash.
Reed College, B.A., 1946
Carter, James Marion, Seattle, Wash.
University of Washington, B.S., 1943
Casterline, Vernon Dale, Vida, Mont.
Willamette University, A.B., 1941
Christerson, John Willis, Corvallis
Oregon State College, B.S., 1946
Cohen, Rodney Lynn, Seattle, Wash.
University of Washington, B.S., 1944
Crabill, Robert Philander, Baker
Oregon State College, B.S., 1945
Earl, Eugene Wilde, Seattle, Wash.
University of Oregon, B.S., 1946
Eaton, Wilma Ruth, Oregon City
Linfield College, B.A., 1944
Fell, Alfred, Portland
Reed College, B.A., 1946
Fischer, David Armin, Portland
Reed College, B.A., 1946

Rockstrom, Albert Raymond, Zillah, Wash.
University of Washington, 1936-41
State College of Washington, 1945
Rosenbaum, Herbert Edwin, Sterling, Colo.
University of Nebraska, 1942-43
Loyola University of Los Angeles, 1943-44
University of California at Los Angeles,
1944
Santos, Ernesto Miranda, Portland
University of Oregon, B.A., 1945
Sherwood, Robert William, Monroe, Wash.
Brigham Young University, 1943-44
University of California at Los Angeles,
1944
Smith, Norris Dean, Pilot Rock
University of Oregon, B.S., 1946
Steinbach, John David, Tillamook
Oregon State College, B.S., 1946
Taylor, Jean, Eugene
University of Oregon, M.A., 1941
Voorhees, Richard Leo, Great Falls, Mont.
University of Washington, B.S., 1945
Weissglass, Bennett, Butler, N.J.
University of Oregon, B.S., 1946
Westling, Philip Lee, Malden, Wash.
State College of Washington, B.S., 1944
Wilhelmi, Kenneth Clark, Tacoma, Wash.
University of Washington, B.S., 1946
Wilkinson, Albert Edgar, Butte, Mont.
Montana State University, B.A., 1945
Wonderlick, Margaret Eugenia, Portland
Reed College, B.A., 1944
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
Zeitlin, Austin Burt, Chicago, Ill.
Wilbur Wright Junior College, 1943
University of San Francisco, 1943-44
Stanford University, 1944
Zevely, Henry Angus, Stevenson, Wash.
University of Oregon, B.S., 1946

Fox, Don, Eugene
Willamette University, B.A., 1946
Franklin, Richard Wilbur, Pocatello, Idaho
University of Oregon, B.S., 1940
Frederick, Joseph Paul, Puyallup, Wash.
State College of Washington, B.S., 1940
Gianelli, Thomas Joseph, Tacoma, Wash.
University of Washington, 1941-42
College of Puget Sound, 1942-43
Syracuse University, 1943-44
Goldstein, William Philip, Portland
University of Oregon, B.S., 1946
Gourley, Edward Wayne, Seattle, Wash.
University of Oregon, 1942-44
Guyer, John Jacob, Portland
Reed College, B.A., 1946
Hanson, Leonard Berdine, Newberg
Oregon State College, B.S., 1946
Havel, Richard Joseph, Seattle, Wash.
Reed College, B.A., 1946
Heinemann, Harold Eugene, Ritzville,
Wash.
Eastern Washington College of Education,
B.A., 1937
Henderson, Philip Harold, Jr., Longview,
Wash.
University of Washington, B.S., 1945
Hendricks, Edward Leo, Portland
Oregon State College, B.S., 1946
Hewitt, Alfred Frank, Portland
Whitworth College, M.S., 1940

Hyde, Albert Marshall, Eugene
University of Oregon, B.S., 1946
Irvine, Willis James, Portland
University of Oregon, B.S., 1946
Jepson, Bruce Carl, Lewiston, Idaho
University of Idaho, B.S., 1946
Johnson, Douglass Sherman, Cottage Grove
Oregon State College, B.S., 1946
Jones, Warren Lester, Portland
University of Oregon, B.S., 1946
Jungck, Edwin Clement, Portland
State College of Washington, B.S., 1946
Kingsley, Buell Chapin, Port Washington,
N.Y.
Dartmouth College, A.B., 1944
Koelsch, Malone William, Boise, Idaho
University of Oregon, B.S., 1946
Kuge, Toshiaki, Portland
Oregon State College, B.S., 1941
Landreth, Eugene Williams, Pendleton
University of Oregon, B.S., 1946
Larsen, Marion Carolyn, Yakima, Wash.
University of Washington, B.S., 1944
Lewis, Fred Richard, Poulsbo, Wash.
Reed College, B.A., 1944
Lyons, Mary Louise, Salt Lake City, Utah
Linfield College, B.A., 1944
McBride, Paul Patrick, Portland
University of Oregon, B.S., 1946
McCullough, William Francis, Portland
University of Washington, B.S., 1944
McLean, Rickard William, Petaluma, Cal.
University of Oregon, B.S., 1946
Manning, Robert LeRoy, Boise, Idaho
University of Idaho, B.S., 1944
Martin, Leo Ivan, Washougal, Wash.
Oregon State College, B.A., 1944
Massar, John Clifton, Mt. Vernon, Wash.
University of Washington, B.S., 1945
Mueller, Robert Louis, Klamath Falls
University of Oregon, B.S., 1946
Mundhenk, Alvin Robert, Portland
Linfield College, A.B., 1940
Nash, George Austin, Portland
University of Oregon, B.S., 1946
Ovregaard, Arthur Leonard, Caldwell, Idaho
College of Idaho, B.A., 1944
Pennington, Jack Rhodes, Eugene
University of Oregon, B.S., 1946
Pritchard, William Christian, Pullman,
Wash.
State College of Washington, B.S., 1946
Puziss, Irving, Portland
University of Oregon, B.S., 1946
Renn, Ada Claire, Woodburn
University of Oregon, B.S., 1946
Robertson, Lewis Campbell, Lakeview
University of Oregon, B.S., 1946
Robuck, Jesse DeLoach, Seattle, Wash.
University of Oregon, B.S., 1946
Rogers, Norman Roakeach, Portland
University of Vienna Medical School,
1932-38
Selling, Ben, Portland
Yale College, B.A., 1944
Siemens, John Lloyd, Seattle, Wash.
University of Oregon, B.S., 1946
Smith, Charles Robert, Seattle, Wash.
University of Washington, B.S., 1945
Stack, Richard Fewer, Portland
Oregon State College, B.S., 1946
Stack, Roger D., Portland
Oregon State College, B.S., 1946
Stack, Thomas James, Marshfield
University of Oregon, B.S., 1946
Summers, Vernon Lloyd, Portland
Willamette University, B.A., 1945
Thistlewaite, Edward Albert, Portland
Reed College, B.A., 1946
Townsend, Lawrence DeWitt, Portland
University of Washington, M.S., 1935
Trueblood, Samuel Edmund, Oswego
University of Washington, B.S., 1945
Whitlock, David Graham, Portland
Oregon State College, B.S., 1946
Yand, Clarence Taylor, Seattle, Wash.
University of Washington, B.S., 1944

FOURTH-YEAR CLASS

Abts, Richard Mervin, Hillsboro
University of Portland, B.S., 1942
Adams, Ernst Foss, Pullman, Wash.
Washington State College, B.S., 1940
Amend, Dexter Roland, Portland
Pacific University, B.S., 1944
Axling, Joseph Lynn, Longview, Wash.
University of Washington, B.S., 1932
Beardsley, Grant Donald, Eugene
University of Oregon, B.A., 1945
Beyer, Mary Carolyn, Astoria
Oregon State College, B.A., 1945
Bishop, Fred Henry, Portland
Oregon State College, B.S., 1945
Bittner, Jules Frederick, Portland
University of Oregon, B.S., 1945
Bloch, Robert Owen, Portland
Whitman College, A.B., 1944
Brinton, Donald Mackay, Baker
University of Oregon, B.A., 1945
Burns, Robert Patrick, Portland
University of Portland, B.S., 1945
Carson, Robert Jean, Portland
Reed College, B.A., 1945
Cates, Vernon Arnold, Seattle, Wash.
University of Washington, B.S., 1943
Cathay, William John, Portland
Reed College, B.A., 1944
Clark, Arthur Milton, Jr., Bellingham,
Wash.
University of Oregon, B.S., 1945
Clemens, Barton Edward, Medford
University of Oregon, B.A., 1945
Cunningham, Lew S., Corvallis
Oregon State College, B.A., 1945
Davis, Phyllis Gloria, Redmond, Wash.
Linfield College, B.A., 1942
Dodson, Alfred Ewing, Medford
University of Oregon, B.A., 1945
Ellis, Raymond C., Ellensburg, Wash.
University of Oregon, B.S., 1945
Enders, Walter Rudolf, Medford
University of Oregon, B.A., 1945
England, Donald Linklater, Springfield
University of Oregon, B.A., 1945
Gong, Henry Kiang, Portland
University of Oregon, B.S., 1944
Good, Harold Victor, Trout Lake, Wash.
University of Washington, M.S., 1939
Grewe, Ray Victor, Arlington, Wash.
University of Washington, B.S., 1945
Gurney, Edmund Reed, Portland
University of Oregon, B.A., 1945
Hayes, John Folsom, Brooks
Oregon State College, B.A., 1945
Heywood, William Harvey, Portland
University of Portland, B.S., 1945
Holtzman, Alan, Portland
Reed College, B.A., 1945
Hoskins, Wesley Wayne, Dayton, Wash.
University of Washington, B.S., 1945
Jackson, Robert Clinton, Hermiston
University of Oregon, B.S., 1945

Johnson, Maynard Lee, Anacortes, Wash.
University of Washington, B.S., 1945
Koler, Robert Donald, Los Angeles, Cal.
University of Oregon, B.A., 1945
Kopp, Clarence John, La Grande
University of Oregon, B.S., 1943
Krause, William Wright, Portland
Reed College, B.A., 1945
Leslie, Lawrence Dale, Fall Creek
Stanford University, Ph.D., 1939
Livermore, David Ieuan, Portland
Reed College, B.A., 1945
McIntyre, Murdock Earl, Eugene
University of Oregon, B.A., 1945
Maddock, William Oscar, Seattle, Wash.
University of Washington, B.S., 1945
Marcusen, Joseph Bert, Nampa, Idaho
College of Idaho, B.S., 1943
Mason, Georgia Townsend, Portland
University of Washington, B.A., 1943
Merkle, Donald Warren, Monroe, Wash.
University of Washington, B.S., 1944
Miller, Sam, Portland
Reed College, B.A., 1945
Odell, Ralph Dudley, Chicago, Ill.
Northwestern University, B.S., 1940
O'Hollaren, John David, Portland
University of Portland, B.S., 1945
Olson, Edmund Vincent, Gig Harbor, Wash.
University of Washington, B.S., 1945
Olson, Donald Ernest, Portland
Reed College, B.A., 1943
Orr, Samuel Robert, Portland
Oregon State College, B.S., 1945
O'Shea, Richard John, Portland
Oregon State College, B.S., 1945
Oyamada, Abe, Portland
Reed College, B.S., 1942
Peirson, George Alan, Portland
Oregon State College, B.A., 1945

GRADUATE STUDENTS

Barnes, Joan McKee, A.B.
Everett, Frank George, M.D.
Gehrsitz, Leta B., B.S.
Geiser, Patricia B., B.S.
Hackedorn, Howard M., M.D.
Kirchhof, Anton C., M.D.
Layton, Rosellen M., B.A.

Lucas, Robert J., D.M.D.
Peterson, Ruth D., B.S.
Rankin, Virginia Mount, A.B.
Talman, Ellen L., B.A.
Veazie, Lyle, M.A.
Vidgoff, Ben, M.D.
Watkins, Elton, M.D.

SPECIAL STUDENTS AND AUDITORS

Binkley, Wade E.
Bosworth, Evelyn M.
Bradley, Norma
Brock, Wesley M., M.D.
Eilers, Lois M.
Hight, Doris M., Ph.D.

Lage, George H., M.D.
Losli, Ernest, M.D.
Ploeger, Ernst O., Jr.
Reanier, Francis I.
Stehlik, Velma E.

NURSING EDUCATION

ADVANCED NURSING STUDENTS

Albee, Naomi I., Buffalo, N.Y.
Belleville, Mary A., Portland
Bothamley, Iris M., Creston, B.C.
Brooks, Nina Bird, Dalhart, Tex.
Brooks, Norma N., Dalhart, Tex.
Cattron, Patricia M., Hillsboro
Cole, Mary B., Needham, Mass.
Coulter, Faye G., Boise, Idaho
Donnelly, Claudia, Woodburn
Furber, Helen D., Portland
Gavin, Margaret Mary, Oakland, Calif.
Gerry, Doris L., Portland
Griffeth, Kathryn L., Cushing, Okla.
Henderson, Helen M., Poplar Bluff, Mo.
Indseth, Anna Margaret, Portland

Lester, Gladys Beele, Butte, Mont.
Melka, Mary Louise, Palo Alto, Cal.
Mulloy, Mercedes, Alsea
Page, Lucille F., Orem, Utah
Pence, Vivian, Portland
Sandberg, Dorrienne E., Portland
Schaffer, Caroline, South Pasadena, Cal.
Smout, Phyllis Mae, Ogden, Utah
Starr, J. Lucile, Portland
Stebens, Mary C., Reedsville, Wis.
Steyert, Helen E., Sherwood
Stowell, Julia, Hillsboro
Tapiainen, Martha H., Vancouver, Wash.
Wangagard, Helen, Ogden, Utah

Person, Jefferson Taylor, Veradale, Wash.
Washington State College, B.S., 1945
Petersen, Arthur Berg, Portland
Oregon State College, B.S., 1943
Peterson, Donald Richard, Portland
Oregon State College, B.A., 1944
Pixley, Charles Calvin, Grants Pass
University of Oregon, B.A., 1945
Popnoe, Howard Ivan, Winifred, Mont.
University of Oregon, B.S., 1945
Pouteau, Gallerand Guillaume, Portland
University of Oregon, B.S., 1945
Rathkey, Arthur Stanley, Tenmile
Willamette University, A.B., 1942
Richards, Oren Rogers, Portland
Reed College, B.A., 1945
Rowan, Robert Drylie, Tacoma, Wash.
College of Puget Sound, B.S., 1945
Sackmann, Richard Rubin, Ritzville, Wash.
University of Washington, B.S., 1943
Schutt, Robert Pettinger, Bremerton, Wash.
University of Washington, B.S., 1945
Scott, Lester William, Ontario
Oregon State College, B.A., 1945
Southworth, John Willard, Albany
University of Oregon, B.S., 1945
Spies, William Edward, Eugene
University of Oregon, B.S., 1945
Tatum, Donald Edward, Portland
University of Oregon, B.S., 1945
Taylor, Willis Junior, Kennewick, Wash.
Whitman College, A.B., 1944
Thompson, Frank Koehler, Portland
University of Oregon Medical School,
Ph.D., 1943
Uchiyama, John Keyomaro, Portland
University of Oregon, M.A., 1941
Wilson, Paul Frederick, Eugene
University of Oregon, B.S., 1945
Wiltshchko, Helen M., Tacoma, Wash.
College of Puget Sound, B.S., 1941

DEGREE STUDENTS

Abderhalden, Elizabeth, Sheridan
Andrews, Ruth A., Longview, Wash.
Bailey, Juanita J., Eugene
Barratt, Dorothea W., Heppner
Bellinger, Lucille M., Portland
Birch, Mae L., Southgate, Cal.
Bodeker, Betty Jean, Lyons
Bozorth, Suzanne J., Eugene
Brady, Kathleen, John Day
Browne, Barbara Jean, Nyssa
Buhler, Elva W., Dallas
Burrus, Huretta B., Waterloo, Iowa
Caldwell, Jean M., Newberg
Campbell, Phoebe Jane, Sewickley, Penn.
Carter, Vada L., Portland
Cassidy, Anne L., Eugene
Chase, Genevieve I., Long Beach, Cal.
Clark, Jean E., Dayton
Clark, Norma E., Summer
Connor, Evelyn H., Portland
Cooper, Dorothy E., Sacramento, Cal.
Corum, Helen May, Silverlake
Cox, Marie Jean, Bend
Derrrett, Luella L., Elmira, Ontario
Dober, Gloria Jean, Cornelius
Douglas, Lois E., Boise, Idaho
Elston, Dorothy F., Leaburg
Engelbrechtsen, Clara O., Portland
Erickson, Jean A., Longview, Wash.
Everts, Vida Mae, Portland
Fearn, E. Joyce, Tacoma, Wash.
Fisher, Helen M., Portland
Forbes, Ruth E., Puyallup, Wash.
Gattens, Aline M., Baltimore, Md.
Gearhart, Elizabeth Jane, Portland
Hakanson, Helen M., Oakland
Hansen, Marjorie M., Aurora, Neb.
Happel, Barbara B., McMinnville
Harris, Julia G., Boise, Idaho
Harvey, Helen R., Bucyrus, Ohio
Hetikka, Edith E., Longview, Wash.
Hendricksen, Lorna V. M., Portland
Herd, Ruth Margaret, Newberg
Herrigstad, Pauline Ann, Silverton
Hermanson, Vivienne A., Taft
Hiatt, Barbara G., Lakeview
Hinegardner, Ruth C., McMinnville
Hoover, Florence B., Longview, Wash.
Hiff, Frances E., Independence
Irvine, Marjorie N., Portland

Jenks, Delma Mae, Tangent
Johnson, Irene P., Kelso, Wash.
Kain, Mary P., Algona, Iowa
Kjelmyr, Marlene A., Portland
Koch, Frances S., Ashland
Kohles, Joan Elizabeth, Twin Falls, Idaho
Korish, Jean A., Portland
Lee, Margaret Ellen, Eugene
Lehman, Reba F., Portland
LeValley, Merle V., Portland
Libby, Alice R., Albany
Lund, Gladys E., Eugene
McLellen, Mary Elizabeth, Portland
Macke, Betty Lou, Shelton, Wash.
Matheny, Marv, Tyler, Tex.
Mendenhall, Mildred B., Portland
Meyers, Helen Frances, Echo
Miller, Helen L., Omaha, Neb.
Mockmore, Regina T., Corvallis
Musselman, Erin Mae, Corvallis
Neal, Eileen V., Molalla
Nordquist, Francis M., Medford
Pantenburg, Elvira A., Portland
Pearson, Carol V., McGill, Nev.
Peffly, Ruth I., St. Helens
Petite, Dolores L., Portland
Pukas, Elizabeth N., Portland
Rauch, Rosemarian, Portland
Reis, Martha J., Portland
Richardson, Cathryn F., Portland
Richardson, Trullis W., Missouri Valley
Iowa
Rinella, Rose Marie, Portland
Roysse, Jean, Woodburn
Runte, Vivien E., Portland
Rush, Patricia Jane, Oswego
Sayles, Pearl V., Corte Madera, Cal.
Schmidt, Helen, Cornelius
Schutz, Virginia Ann, Aurora
Setere, Bernice Ann, Vancouver, Wash.
Simonson, Eleska, Albert Lea, Minn.
Sroufe, Anna May, Walton
Staab, Betty Jean, Salem
Starvich, Alma F., Coos Bay
Stearns, Patricia L., Portland
Stone, Dorothy M., Gresham
Stout, Marjorie Ora, Portland
Tachella, Genevieve V., Pendleton
Watt, Mary Louise, Tillamook
Young, Nova B., Salem

DIPLOMA STUDENTS

Anderson, Gladys M., Lewiston, Idaho
Anklin, Virginia June, Independence
Barrington, Bonnie L., Ophir
Beardslee, Mary C., Sheridan
Boundy, Bonnie C., McMinnville
Bovington, Rebecca R., Oakland
Burris, Felita L., Cobden, Ill.
Case, Frances L., Vancouver, Wash.
Case, Helen R., Portland
Connor, Mary Margaret, Ashland
Corson, Lois I., Portland
DeVinna, Lorna M., Deering, N.D.
Dichtel, Dorothy G., Oregon City
Ferguson, Patricia Ann, Portland
Genge, Shirley M., Vancouver, B.C.
Gregg, Phoebe Eloise, Redmond
Herald, Doris M., Portland
Holdt, Jane Clare, Portland
Hopper, Marylu, Eugene
Hoss, Mary M., Portland
Huber, Betty J., Portland
Jackson, Evelyn C., Portland
Jacobs, Geraldine Mae, Albany
Jannsen, Mary Lou, Estacada
Jeans, Alice F., Eugene

Jefferies, Rebecca J., Eugene
Kloepfer, Carma, Rupert, Idaho
Knight, Georgia L., Coquille
Leinan, Jewel L., Newberg
Lennon, Shirley M., Prairie City
Lermo, Bonnie I., Silverton
Lewis, Mary E., Battle Ground, Wash.
McKinney, Audrey J., McMinnville
McMullen, Esther, The Dalles
Mason, Esther C., Corvallis
Mathers, Virgil J., Twin Falls, Idaho
Matthews, Dorothy P., Hanover, N.M.
Merry, Viola M., Colfax, Wash.
Midford, Dagmer M., Estacada
Miller, Verna I., Redmond
Nelson, Constance A., Rathdrum, Idaho
Niskanen, Margaret Ann, Bend
Nunn, Renita C., Grants Pass
Osburn, Patricia L., Portland
Pirtle, Patricia J., Eugene
Rankin, Gale S., St. Helens
Rankin, Ramona Mae, Springfield
Root, Betty Jean, San Jose, Cal.
Roth, Carol D., Portland
Shekey, Helen K., Steubenville, Ohio

Snyder, Shirley V., Coquille
 Staff, Helen May, Baltimore, Md.
 Staub, Maurine, Portland
 Still, Audrey Jean, Eagle Creek
 Taylor, Daphne A., Kennewick, Wash.
 Terry, Ardeth Sue, Portland
 Thierman, Rosemary E., Portland
 Thoenes, Virginia H., Portland

PEDIATRIC AFFILIATES

Allen, Barbara Ann, Portland
 Ashling, Ada D., Albany
 Baird, Maxine, Salt Lake City, Utah
 Barr, Florence G., Crawfordsville
 Barr, Hattie E., Crawfordsville
 Bates, Laura Jean, Salem
 Bell, Doris Mae, Pendleton
 Bell, Sharieen G., Portland
 Bergh, Lois Jean, Gresham
 Best, Phyllis E., Portland
 Borchert, June J., Coos Bay
 Boyce, Betty L., Salem
 Brice, Olive E., Portland
 Brock, Sue E., John Day
 Brooke, Lois C., Portland
 Brooks, Shirley J., Wallowa
 Buckner, Grace E., Rieth
 Burdick, Joan E., Oakland, Cal.
 Butler, Helen O., Astoria
 Calkins, Harriet E., Portland
 Campbell, Elma Mae, Pendleton
 Chamberlain, Gwenith A., Portland
 Chandler, Flora Mae, Redmond
 Chitwood, Dolores J., Stayton
 Clark, Clair, Portland
 Clark, Georgia R., Hood River
 Cochran, Dorris I., Bellingham, Wash.
 Cooper, Barbara M., Sherman Oaks, Cal.
 Davis, Roberta T., Walla Walla, Wash.
 Devlin, Dorothy Mae, Portland
 Dobler, Jean I., Linton, N.D.
 Dyczewski, Arcadia C., Saginaw, Mich.
 Epperly, Eileen M., Hubbard
 Fine, Rachel A., Tennant, Cal.
 French, Betty J., Portland
 Funk, Mary Elizabeth, Vancouver, Wash.
 Gewecke, Barbara M., Portland
 Goins, Dorothy, Portland
 Goodnight, Marian T., Walla Walla, Wash.
 Hanson, Shirley Lee, McMinnville
 Heidenstrom, Betty L., Silverton
 Hellman, Thilda A., Portland
 Heston, Esther E., Portland
 Huntington, Elizabeth A., Fossil
 Ianziti, Mary A., Napa, Cal.
 Jacobs, Betty J., Eugene
 Janzen, Marion L., Dallas
 Jones, Cleone Ruth, Newberg
 Keyes, Patricia Jean, Portland
 Kom, Maxine M., Willamina
 Lambert, B. Virginia, Gaston
 Lee, Irene F., Portland
 Lee, Marian E., Silverton

SPECIAL STUDENTS

Barfoot, Frishia G., Delake
 Biehner, Lillian L., Portland
 Brindle, Elizabeth I., Mechanicsburg, Penn.
 Capman, Laura P., Portland
 Clink, Frances J., Ashland
 Cooper, Jessie D., Portland
 Courtney, Marian F., The Dalles
 Cumberland, Virginia R., Clackamas
 Douglas, Lois L., Parma, Idaho
 Farmer, Elizabeth R., Hugoton, Kan.
 Foster, Ella A., Portland
 Gavin, Jane D., Portland

Tiller, Carol Y., Seattle, Wash.
 Toevs, Maxine K., Salem
 Wark, Betty Jean, Eliot Rock
 Wiens, Shirley L., Portland
 Wilson, Marion E., Portland
 Wood, Norma E., Lostine
 Wright, Bebe A., North Bend

McBride, Dorothy I., Stevenson, Wash.
 McCarthy, Patricia N., Burnt Ranch, Cal.
 McClenahan, Echo Jean, Walla Walla, Wash.
 McEnroe, Mary Margaret, Baker
 McGee, Mary Elizabeth, Nyssa
 McGill, Marion G., White Rock, B.C.
 MacDonell, Rae E., Richmond, Cal.
 Mandigo, Phyllis Ann, Dayton
 Marshall, Lorene J., Multnomah
 Miller, Maxine F., Long Beach, Wash.
 Mobley, Evelyn, Portland
 Moehring, Stella V., Plato, Minn.
 Moore, Eveleene L., Banks
 Nelson, Elsie A., Scappoose
 Ogle, Jean W., Lakeview
 Olds, La Von, Grants Pass
 Orr, Vera L., Portland
 Otto, Mary Jane, Camas, Wash.
 Owens, Jeanne E., Portland
 Pearson, Donna Lee, Portland
 Perry, Vivian M., Williston, N.D.
 Petersen, Doris Mae, Portland
 Petersen, Letha K., Eugene
 Pool, Margaret E., Eagle Point
 Rasaka, Laili S., Dayton
 Rentschler, Bernice L., Salem
 Roadarmel, Jane Marie, Hebo
 Roosma, Anne E., Lonepine, Mont.
 Runkle, Maxine E., Albany
 Russell, Alma Ruth, Lyle, Wash.
 Sailor, Ethelyn V., Portland
 Schrotke, Lois Mae, Portland
 Schuster, Margaret L., Chehalis, Wash.
 Scoles, Beryl J., Grand Canyon, Ariz.
 Scott, Myrel C., Avon, Idaho
 Sharp, Leonna L., Filer, Idaho
 Shill, Barbara F., Longview, Wash.
 Simons, Virginia M., Los Angeles, Cal.
 Smith, Dorothy M., Oregon City
 Snader, Jean, Ontario
 Stoner, Bernice K., Redmond
 Strauch, Estelle F., Portland
 Swanson, Edwina B., Milwaukie
 Swanson, Viola June, Milwaukie
 Vogt, Ruth J., Blackfoot, Idaho
 Wallin, Helen P., Willmar, Minn.
 Watson, Bernice Mae, Hanna, Wyo.
 Watts, Barbara R., Oregon City
 Weible, Betty L., Camas, Wash.
 Welch, Gloria Anne, Portland
 Whitten, V. Kathleen, Dufur
 Zamora, Aurora, Nyssa

Giles, Elizabeth A., Gresham
 Gillespie, Nance G., Eugene
 Gillis, Margaret, Heppner
 Gordon, Mary V., Great Falls, Mont.
 Grunow, Emma L., Woodland, Cal.
 Halvorsen, Mildred, Portland
 Hearn, Angela G., Portland
 Heitkemper, Jean M., Portland
 Hewitt, Carol R., Portland
 Howard, Lydia F., Portland
 Hunsaker, Patricia R., Portland
 Jeanne, Caroline M., Eugene

Johnson, Hanna K., Portland
 Kavet, Mary T., Portland
 Kingery, Helen M., Portland
 Littler, Ethel C., Albany
 Lorentz, Josephine A., Oregon City
 Lytle, Hazel B., Portland
 Mitchell, Metta A., Bellingham, Wash.
 Mouser, Elizabeth P., Portland
 Mulkey, Ruth E., Hillsboro
 Neely, Aura Johnson, Portland
 Oleson, Olive, Portland
 Parker, Dorothy, Portland
 Platt, Erma E., Hood River
 Pomeroy, Vera A., Portland
 Prigmore, Ethel, Portland

Redinger, Barbara G., Seal Rock
 Ross, Elizabeth Mary, Winnipeg, Canada
 Scovell, Ora Frances, Corvallis
 Simpson, Margaret B., Portland
 Sister M. Orelia, Pendleton
 Sister M. Barbara Ann, Baker
 Sister Zita Maria, Tacoma, Wash.
 Sister Margaret Catherine, Tacoma, Wash.
 Sister M. Columba, Pendleton
 Sister M. Celine Magdalen, Tacoma, Wash.
 Sprague, Myra Charlotte, Portland
 Taylor, Ruth F., Portland
 Utz, Sarah W., Portland
 Webster, Catherine V., Portland
 West, Milicent H., Merrill

Enrollment, Summer 1946

MEDICINE

FOURTH-YEAR STUDENTS

Cunningham, Lew S., Corvallis
 Oregon State College, B.A., 1945
 Good, Harold Victor, Arlington, Wash.
 University of Washington, M.S., 1939
 Holtzman, Alan, Portland

Reed College, B.A., 1945
 Koler, Robert Donald, Los Angeles, Cal.
 University of Oregon, B.A., 1945
 Miller, Sam, Portland
 Reed College, B.A., 1945

GRADUATE STUDENTS

Amend, Dexter R., B.S.
 Burns, Robert P., B.S.
 Fischer, D. Armin, B.A.
 Gehraitz, Leta, B.S.
 Hendricks, Edward L., B.S.
 Jungck, Edwin C., B.S.

Maddock, William O., B.S.
 Mittelstaedt, Lester, B.S.
 Mount, Virginia P., A.B.
 Olson, Donald E., B.A.
 Whitlock, David G., B.S.

SPECIAL STUDENTS AND AUDITORS

Bradley, Norma
 Eilers, Lois M.

Mountjoy, Freda P.

NURSING EDUCATION

ADVANCED NURSING STUDENTS

Bothamley, Iris May, Creston, B.C.
 Brooks, Nina B., Dalhart, Texas
 Donnelly, Claudia, Woodburn
 Foster, Ella A., Portland
 Gerry, Doris L., Portland
 Griffith, Kathryn, El Monte, Cal.
 McLeod, Dorothy E., Kelso, Wash.

Melca, Mary Louise, Palo Alto, Cal.
 Pence, Vivian A., Portland
 Schaffer, Caroline, South Pasadena, Cal.
 Stebens, Mary C., Reedsville, Wis.
 Steyaert, Helen E., Sherwood
 Tapanainen, Martha H., Vancouver, Wash.

DEGREE STUDENTS

Andrews, Ruth A., Longview, Wash.
 Bodeker, Betty Jean, Lyons
 Bozorth, Suzanne J., Portland
 Brady, Kathleen, Mt. Vernon
 Brenner, Laura A., Portland
 Browne, Barbara Jean, Nyssa
 Buhler, Elva W., Dallas
 Burrus, Huretta T., Waterloo, Iowa
 Charley, Janet, Brownsboro
 Clark, Jean E., Dayton
 Contryman, Patricia J., Portland
 Cooper, Dorothy E., Sacramento, Cal.
 Cortum, Helen M., Silver Lake
 Cox, Marie Jean, Bend
 Derrett, Luella L., Elmira, Ontario
 Dober, Gloria I., Cornelius
 Douglas, Lois E., Boise, Idaho
 Eccles, Doone, Hood River
 Eliasson, Hilda E., Astoria
 Elston, Dorothy F., Leaburg
 Erickson, Jean A., Longview, Wash.

Everts, Vida Mae, Portland
 Fearn, E. Joyce, Tacoma, Wash.
 Forbes, Ruth E., Puyallup, Wash.
 Gattens, Aline M., Baltimore, Md.
 Gholson, Patricia Ann, Tigard
 Gibbs, Barbara E., Lakeview
 Greene, Lurlene S., Portland
 Happel, Barbara B., McMinnville
 Harris, Julia G., Boise, Idaho
 Hawkins, Mary Ann, Seaside
 Heikka, Edith E., Longview, Wash.
 Hendricksen, Lorna V. M., Portland
 Herd, Ruth M., Newburg
 Hermanson, Vivienne A., Taft
 Hill, Kathryn Anne, Salem
 Hoover, Florence B., Longview, Wash.
 Irwin, Virginia M., Canby
 Jacobsen, Marie V., Portland
 Johnson, D. Juanita, Eugene
 Johnson, Irene P., Kelso, Wash.
 Kilpatrick, Dorothy J., Eugene

Kjelmyr, Marene, Eugene
 Kohles, Joan E., Twin Falls, Idaho
 Korish, Adeline J., Portland
 Lee, Margaret Ellen, Eugene
 Lehman, Reba F., Portland
 LeValley, Merle V., Portland
 Libby, Alice R., Canby
 Lillie, Laura Bernice, Arago
 Lund, Gladys E., Eugene
 McLellen, Mary E., Oregon City
 McMullen, Virginia G., The Dalles
 Macke, Betty Lou, Shelton, Wash.
 Mendenhall, Mildred B., Portland
 Mockmore, Regina T., Corvallis
 Morris, Etha L., Vernonia
 Neal, Eileen V., Molalla
 Noll, Marjorie H., Portland
 Nordquist, Frances M., Medford
 Pantenburg, Elvira A., Portland
 Petite, Dolores L., Portland
 Rauch, Rosemarian, Portland
 Reed, Constance C., Silverton

Reis, Martha J., Portland
 Richardson, Cathryn F., Portland
 Richardson, Trullis W., Tacoma, Wash.
 Rinella, Rose M., Portland
 Roysse, Jean, Woodburn
 Runte, Vivien E., Ajo, Arizona
 Rush, Patricia J., Oswego
 Sayles, Pearl V., Corte Madrea, Cal.
 Schmidt, Helen, Cornelius
 Schutz, Virginia A., Aurora
 Setere, Bernice Ann, Vancouver, Wash.
 Sroufe, Anna May, Walton
 Staab, Betty Jean, Salem
 Starvich, Alma F., Coos Bay
 Stearns, Patricia L., Portland
 Stout, Marjorie O., Portland
 Stuart, Gloria A., Portland
 Towne, Louise, Meridian, Idaho
 Watt, Mary Louise, Tillamook
 Welch, Zella Mae, St. Maries, Idaho
 White, Betty A., Corvallis
 Yeary, Bernice, Aurora

DIPLOMA STUDENTS

Barr, Jean I., Milwaukie
 Connor, Mary Margaret, Ashland
 Dichtel, Dorothy Jean, Oregon City
 Genge, Shirley M., Vancouver, B.C.
 Grove, Beatrice Olson, Portland
 Jackson, Evelyn C., Portland
 Jacobs, Geraldine Mae, Albany
 Linan, Jewel L., Newburg
 Lennon, Shirley M., Prairie City
 Matthews, Dorothy P., Pinos Altos, N.M.
 McMullen, Esther J., The Dalles
 Miller, Edith A., Portland
 Nelson, Constance A., Rathdrum, Idaho

Niskanen, Margaret Ann, Bend
 Osburn, Patricia L., Portland
 Rankin, Gale S., St. Helens
 Rankin, Ramona Mae, Eugene
 Reynolds, Dorothy Dora, Ophir
 Shekey, Helen K., Steubenville, Ohio
 Staub, Maurine, Portland
 Taylor, Daphne A., Kennewick, Wash.
 Thoennes, Virginia H., Portland
 Tiller, Carol Y., Seattle, Wash.
 Voss, Betty Jean, Albany
 Wilson, Marian E., Portland
 Wood, Norma E., Lostine

PEDIATRIC AFFILIATES

Barton, Claire S., Seattle, Wash.
 Becker, Betty Jean, College Place, Wash.
 Bratton, Mary E., Wallowa
 Briggs, Eleanor L., Vancouver, Wash.
 Burgett, Thersa M., Wallowa
 Cargill, Norma A., The Dalles
 Chapman, Patricia L., Portland
 Cook, Marjorie, Clackamas
 Danielson, Alice H., Bend
 DeLong, Virginia F., St. Helens
 Dick, Florence H., Hillsboro
 Drake, Mary M., Amity
 Farrington, Barbara P., Portland
 Fey, Arlene R., Port Angeles, Wash.
 Goodman, Nancy N., Aberdeen, Wash.
 Griggs, Josephine, Pendleton
 Howell, Norma Rae, Oregon City
 Isaac, Marianne E., Gladstone

Johnson, Betty June, Boring
 Joyce, Barbara C., Juntura
 Joyce, Patricia E., Juntura
 Kanschuh, Viola B., Cluny, Alberta
 Krohn, Irene L., Washougal, Wash.
 Lee, LaVerne N., Portland
 Nance, Virginia Lee, Spokane, Wash.
 Nelson, Betty E., Newburg
 Nielsen, Jean L., The Dalles
 Pearson, Annie F., Caldwell, Idaho
 Read, Rosemary, Hillsboro
 Rupp, Aileen L., Spokane, Wash.
 Sadley, Angelina T., Saybrook, Penn.
 Schultz, Verla F., Aurora
 Sibley, Maxine S., Mt. Angel
 Vogt, Loleta C., Pendleton
 Waggoner, Margaret, Vancouver, Wash.
 Wood, Pearl L., Portland

SPECIAL STUDENTS

Barrett, Mary Ann, Roseburg
 Broyles, Lucille S., Portland
 Burns, Dorothy L., Portland
 Cline, G. Elizabeth, Forest Grove
 Davis, Eva Ann, Portland
 Deutsch, Gertrude E., Portland
 Dwyer, Maxine D., Albany
 Emerson, Germaine A., Vancouver, Wash.
 Furman, Hazel, Seattle, Wash.
 Gavin, Jane D., Portland
 Gibson, Laura G., Seattle, Wash.
 Gough, Ruth E., Portland
 Hamilton, Jean E., Salem
 Harstad, Laura C., Portland
 Huys, Gabrielle H., Baker
 Jackson, Martha L., Portland
 Jackson, Mary A., Portland
 Jennings, Theresa H., Portland
 Kaitz, Rita S., Mt. Vernon, N.Y.
 Lillsjo, Maria, Vancouver, Wash.
 MacKrell, Helen Mae, Portland
 McRea, Dorothy G., Portland

Miller, Dorothea Seebers, Astoria
 Patterson, Lillian B., Auburn, Wash.
 Sanger, Audrey W., Spokane, Wash.
 Sarber, Alice E., Milwaukie
 Scovell, Ora F., Corvallis
 Simpson, Margaret B., Portland
 Sister Elizabeth Clare, Portland
 Sister Josefa, La Grande
 Sister M. Barbara Ann, Baker
 Sister M. Margaret Catherine, Tacoma, Wash.
 Sister Mary, Portland
 Sister Mary Columban, Tacoma, Wash.
 Sister Paul Miki, Portland
 Sister Rita Marie, La Grande
 Slade, Irene E., Portland
 Smith, Audrey M., Salem
 Stevens, Ernestine M., Portland
 Waples, Genevieve W., Portland
 Whiteside, Norma F., Glendale, Cal.
 Young, Lucy C., Spokane, Wash.
 Zara, Anne Mary, Portland

Summary of Enrollment and Degrees, 1945-46

SUMMARY OF ENROLLMENT, MEDICINE, 1946-47

Class	Men	Women	Total
First year	66	8	74
Second year	54	7	61
Third year	66	5	71
Fourth year	67	4	71
Total, regular students	253	24	277
Graduates	6	8	14
Specials and auditors	5	6	11
Total	264	38	302

SUMMARY OF ENROLLMENT, NURSING EDUCATION, 1946-47

Diploma students	65
Degree students	99
Advanced certificate students	29
Pediatric affiliates	105
Special students	54
Total	352

SUMMARY OF ENROLLMENT, MEDICAL SCHOOL, SUMMER 1946

	Men	Women	Total
First year	---	---	---
Second year	---	---	---
Third year	---	---	---
Fourth year	4	---	4
Total, regular students	4	---	4
Graduates	9	2	11
Specials and auditors	---	3	3
Total	13	5	18

SUMMARY OF ENROLLMENT, NURSING EDUCATION, SUMMER 1946

Diploma students	26
Degree students	86
Advanced certificate students	13
Pediatric affiliates	36
Special students	44
Total	205

SUMMARY OF DEGREES AND CERTIFICATES GRANTED, 1946-47

Medicine*	
Doctor of Medicine	69
Doctor of Philosophy	1
Master of Science	5
Nursing Education†	
Bachelor of Science	46
Certificate in Public Health Nursing	13

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

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

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 Butler, J. B. V., 19
 Byrne, C. D., 6, 7
 Campbell, I. M., 16
 Carr, L. Bernice, 24
 Caniparoli, S. D., 18
 Carlson, C. E., 19
 Carlson, W. H., 7
 Carrico, Bernadine, 22
 Carruth, H. E., 19
 Carter, R. R., 16
 Cattle, A. B., 20
 Chamberlain, G. E., 20
 Chambers, G. F., 6
 Chance, A. W., 17, 23, 25
 Chauncey, L. K., 18
 Chelewski, Blanche, 23, 61
 Christensen, Leonard, 19
 Chainard, E. G., 19
 Clancy, Charlotte L., 20, 61
 Cliff, H. R., 11
 Clisby, K. M., 18
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 Coen, R. A., 16, 25
 Coffen, T. W., 14, 15
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 Cohen, William, 14, 15
 Collins, R. L., 7
 Conklin, W. S., 13, 15, 18, 24
 Cooke, D. O., 12
 Cottrell, G. W., 19
 Cramer, J. E., 24
 Crammer, J. E., 24
 Crommelin, R. M., 13, 15
 Cruikshank, Helen, 60, 68
 Crynes, S. F., 12
 Curtis, Elizabeth, 62
 Dahl, Joyce, 16
 David, N. A., 12, 14, 21, 22, 60
 Davis, A. M., 13, 15
 Davis, Eva, 60, 63
 Davis, Frederic, 12
 Davis, H. E., 19
 Davis, Isabel, 7
 Davis, J. B., 18
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