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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 survey of higher education in Oregon by the U.S. Office of Education, includes all the state-supported institutions of higher education. The several institutions are 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, Oregon College of Education at Monmouth, Southern Oregon College of Education at Ashland, Eastern Oregon College of Education at La Grande, and Portland State College at Portland. The Medical School and the Dental School are located in Portland.

Each of the institutions provides the general studies fundamental to a well-rounded education. At the three colleges of education, students who do not plan to become teachers may devote their time to general studies or (at Southern Oregon and Eastern Oregon colleges of education) to approved lower-division programs in certain 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.

An interinstitutional booklet, Your Education, which outlines the curricula of the several institutions and contains other information, is available. For a copy, write to Division of Information, Board of Higher Education, Eugene, Oregon.
State Board of Higher Education*

Term Expires
A. S. Grant, Baker................................. 1956
Cheryl S. MacNaughton, Portland.............. 1957
Bernard Mainwaring, Salem......................... 1957
Herman Oliver, John Day.......................... 1958
Leif S. Finseth, Dallas............................ 1958
R. E. Kleinsorge, Silverton....................... 1959
William E. Walsh, Coos Bay....................... 1959
Henry F. Cabell, Portland......................... 1960
Charles Holloway, Jr., Portland................. 1961

Officers
R. E. Kleinsorge................................ President
Henry F. Cabell................................ Vice-President

John R. Richards, Ph.D., Chancellor

Office of the State Board of Higher Education
Eugene, Oregon

* Board members are appointed to six-year terms by the Governor of Oregon with confirmation by the State Senate.
Medical School Calendar, 1955-56

**Fall Term, 1955-56**
- October 3, Monday: Registration
- October 4, Tuesday: Instruction begins
- October 17, Monday: Last day to register for full credit or to change courses
- November 24, Thursday: Thanksgiving Day, holiday
- December 22, Thursday: Fall term ends

**Winter Term, 1955-56**
- January 3, Tuesday: Registration for graduate students and medical-technology students
- January 3, Tuesday: Instruction begins
- January 17, Tuesday: Last day to register for full credit or to change courses
- March 17, Saturday: Winter term ends

**Spring Term, 1955-56**
- March 26, Monday: Registration for graduate students and medical students
- March 26, Monday: Instruction begins
- April 9, Monday: Last day to register for full credit or to change courses
- May 30, Wednesday: Memorial Day, holiday
- June 15, Friday: Commencement
- June 15, Friday: Spring term ends

**Summer Term, 1956 (Graduate Students)**
- June 25, Monday: Registration
- June 25, Monday: Instruction begins
- July 4, Wednesday: Independence Day, holiday
- July 9, Monday: Last day to register for full credit or to change courses
- September 3, Monday: Labor Day, holiday
- September 8, Saturday: Summer term ends

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**General Information**

The University of Oregon Medical School has been in continuous operation since 1887, when it was granted a charter by the Board of Regents of the University of Oregon. In 1913, the medical department of Willamette University was merged with the Medical School; the alumni bodies of the two schools were also combined.

Although the Medical School, because of its location in a different city from other divisions of the University, has administrative and faculty autonomy, the academic position of the school as an integral part of the University of Oregon is established in its charter and is recognized under the organization plan of the Oregon State System of Higher Education.

Instruction in the Medical School includes a standard curriculum for undergraduate medical students, graduate work in basic and clinical sciences, training for interns and residents, a program of postgraduate medical education for practicing physicians, and curricula in nursing education, including both an undergraduate curriculum and advanced programs for graduate nurses. In addition to the work for doctors and nurses, the school offers courses in medical technology, X-ray technique, and dietetics.

Enrollment of undergraduate medical students is restricted to about 300; applications are received from all sections of the United States, but preference is given applicants from Oregon and the Pacific Northwest. Enrollment in nursing education totals approximately 400.

Research is conducted in all departments of the Medical School. Research achievements have brought national recognition to many members of the faculty and to the school. The research program is supported by grants from national, state, and private organizations, foundations, and societies, as well as by gifts from individuals.

The Medical School also performs a vital public service by assisting the physicians of the state, through its hospitals and clinics, in providing specialized medical treatment for the people of the state of Oregon. In its activities aimed at bringing better health to the people of the state, the school is affiliated with numerous civic, professional, and governmental health agencies.

In addition to its full-time staff of physicians, scientists, nurses, and technicians, nearly 400 physicians and surgeons practicing in Portland and the surrounding area donate a portion of their time to the teaching and research programs of the Medical School.

**Location**

Portland (population approximately 400,000), situated on the Willamette River near its junction with the Columbia, is a 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 1895 as a campus for future development of a center of medical teaching and research. The campus was enlarged in 1924 by the addition of Sam Jackson Park, an adjoining tract of eighty-eight acres, given by Mrs. C. S. Jackson and the late Mr. Philip Jackson in behalf and in memory of the late Mr. C. S. Jackson. The entire campus of one hundred and eight acres occupies a site of exceptional scenic grandeur, at an elevation overlooking the city and the Willamette River, isolated from noise and smoke but within one and one-half miles of the business center. It affords an ideal setting for Medical School buildings and affiliated hospitals. In 1920 the University conveyed to Multnomah County nine acres on the campus for the construction of a general charity hospital. In 1926 a tract of twenty-five acres was deeded to the United States government as a site for a veterans' hospital.

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 F. S. Doernbecher. This fund was augmented by other gifts totaling $120,000. The hospital provides 73 beds, and has exceptional facilities for the care of sick and disabled children of the state of Oregon.

The Outpatient Clinic (1931), connecting with the Doernbecher Memorial Hospital for Children and the Multnomah Hospital, affords teaching facilities for the medical school 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.

Certain centralized services for all hospital and clinic units are housed in the Outpatient Clinic, including medical records, X-ray, clinical laboratory, physical medicine, social service, and pharmacy. Through this unified and coordinated arrangement, duplication is eliminated and the care of patients and the teaching of medical students greatly facilitated.

The history of the Outpatient Clinic began with the founding of the Portland Free Dispensary in 1907 by the People's 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 Multnomah Hospital (1923, 1950), constructed by the commissioners of Multnomah County, has a capacity of 310 beds, with facilities for general medical, surgical, and obstetrical patients. The Multnomah Hospital group includes also the Nurses Home (1927) and the Heating Plant (1923).

Under the terms of a contractual arrangement between the commissioners of Multnomah County and the Oregon State Board of Higher Education, the Medical School has access to the hospital for teaching purposes, and the director of the Hospital is a Medical School official. The professional staff of the hospital is appointed by the Medical School. The arrangement provides a most successful affiliation for teaching, research, and the care of the sick.

The University State Tuberculosis Hospital (1939) has an 80-bed capacity and a large outpatient unit. The hospital has medical and surgical facilities for teaching medical students, interns, residents, and nurses. Funds for the hospital were provided through a state appropriation of $110,000, a Public Works Administration grant of $130,900, and a gift from Mrs. Grace R. Meier, Mrs. Jack Meier, Mrs. Joseph Erhman, 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 Medical School Library contains more than 57,000 volumes of books and bound periodicals, and a large number of unbound periodicals. Approximately 1,100 current periodicals are received. Through the privileges of inter-library loan and microfilm service, it is possible to obtain within a few days materials not contained 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 fund.

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

Entering students are given a survey of the resources of the Library and instruction in their use.

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

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

The Physical Plant Shop and Warehouse (1953) provides shop facilities and a central warehouse for the Physical Plant Department. The building was financed by a state appropriation of $71,000.

The Crippled Children's Division Building (1954) provides modern office and clinical facilities for the statewide crippled children's service administered by the Medical School. The building was financed through a $280,000 appropriation approved by the 1953 Legislature.

University of Oregon Medical School Hospital. A 277-bed general hos-
Student Information

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 and scores on the Medical College Admission Test. Admission is on a competitive basis.

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

The applicant must have completed satisfactorily 138 term hours (92 semester hours) of college work, exclusive of military science.

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

<table>
<thead>
<tr>
<th>Subject</th>
<th>Term hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry</td>
<td>23</td>
</tr>
<tr>
<td>General inorganic, which may include qualitative analysis</td>
<td>12</td>
</tr>
<tr>
<td>Quantitative analysis, emphasis on volumetric analysis</td>
<td>3</td>
</tr>
<tr>
<td>Organic</td>
<td>8</td>
</tr>
<tr>
<td>Biology</td>
<td>15</td>
</tr>
<tr>
<td>General biology or zoology</td>
<td>9</td>
</tr>
<tr>
<td>Selections from general embryology, vertebrate anatomy, or general physiology (order of preference, embryology, vertebrate anatomy)</td>
<td>6</td>
</tr>
<tr>
<td>Physics</td>
<td>12</td>
</tr>
<tr>
<td>Mathematics</td>
<td>6</td>
</tr>
<tr>
<td><em>English</em></td>
<td>9</td>
</tr>
<tr>
<td>Electives</td>
<td>73</td>
</tr>
<tr>
<td>Total prescribed credit</td>
<td>138</td>
</tr>
</tbody>
</table>

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 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 requirements. Students electing additional work are advised to take a course in elementary physical chemistry. At least 25 per cent of all chemistry credit must be for laboratory work.

Human anatomy is not accepted toward meeting the minimum requirements in biology.

Students electing additional work are advised to take courses in embryology, vertebrate anatomy, histological technique, or general physiology.

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

The work in mathematics should be of standard college grade, and should include subjects such as algebra, elementary analysis, or trigonometry. Students electing additional mathematics are advised to take work in calculus or mathematical statistics.

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, in addition to training in the basic sciences of chemistry, physics, and biology.

* Students expecting to receive the bachelor's degree from the University of Oregon should include 9 hours of English composition and 9 hours of English literature in their premedical programs.
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. If this deposit is made prior to December 15, it is not refundable after January 15; should the student release his place in the class. If the deposit is made after December 15, 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.

Applications for admission should be submitted between July 1 and December 15. Application forms may be obtained from the Registrar of the Medical School.

Aptitude Test. Applicants for admission are expected to have taken the Medical College Admission 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. 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 in certain courses in the Medical School upon recommendation by the head of the department concerned, subject to the approval of the Committee on Admissions and the dean. Such students may not receive academic credit for work in clinical subjects and may not audit clinical courses.

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

Special students are required to submit credentials in support of their application for admission.

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 considered 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 in the upper fifty per cent of his class. An honorable dismissal and premedical preparation meeting the regular requirements for admission are also required. In general, only transfer to the third-year class is feasible. Only a limited number of students can be admitted with advanced standing.

Scholastic Regulations

Grading System. A numerical grading system of $I$ to $V$ is used at the Medical School. $I$ is the highest and $V$ is the lowest passing grade. If a course is not completed within the time allotted, the work must be finished satisfactorily within one year. Failure in a course requires repetition of the course.

Elective Courses. If a student registers for an elective course, he must complete the course unless he officially withdraws. A student may not withdraw from an elective course later than two weeks after the beginning of the term without special permission of the dean.

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 is determined by the Promotion Board. Third- and fourth-year students must receive satisfactory grades in all subjects. The faculty of the Medical School reserves the right to dismiss a student for reasons other than deficient scholarship.

Requirements for the Degree of Doctor of Medicine. A candidate for the degree of Doctor of Medicine must complete satisfactorily the curriculum prescribed by the faculty of the Medical School. All candidates for degrees are required to be present at the Commencement Exercises to receive their diplomas in person. The Doctor of Medicine degree is conferred by the University of Oregon upon the recommendation of the faculty of the Medical School.

Fees and Deposits

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

**REGULAR FEES**

<table>
<thead>
<tr>
<th>Item</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuition, per term</td>
<td>$60.00</td>
</tr>
<tr>
<td>Laboratory and course fee, per term</td>
<td>107.00</td>
</tr>
<tr>
<td>Building fee, per term</td>
<td>5.00</td>
</tr>
<tr>
<td>Incidental fee, per term</td>
<td>6.00</td>
</tr>
<tr>
<td></td>
<td>$178.00</td>
</tr>
</tbody>
</table>

Nonresident fee, per term (in addition to fees for resident students).................................................................................. $86.00

**GRADUATE FEES**

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

<table>
<thead>
<tr>
<th>Item</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuition</td>
<td>$10.00</td>
</tr>
<tr>
<td>Laboratory and course fee</td>
<td>30.00</td>
</tr>
<tr>
<td>Building fee</td>
<td>5.00</td>
</tr>
<tr>
<td>Incidental fee</td>
<td>6.00</td>
</tr>
<tr>
<td></td>
<td>$51.00</td>
</tr>
</tbody>
</table>

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

*Only those students pursuing programs of study toward the M.A., M.S., or Ph.D. degree are classified as graduate students. These students do not pay the nonresident fee.*
For graduate students registered for 6 term hours of work or less $8.00 per term hour (minimum, $16.00 per term)
For graduate students employed as graduate or research assistants or fellows, $11 per term
Building fees $5.00
Incidental fees $6.00

DEPOSITS
Deposit to reserve place in entering class (applied on tuition) $25.00
Breakage deposit, per year—first and second years 15.00
Breakage deposit, per year—graduate students 5.00

SPECIAL FEES
Registration and laboratory fee for special students registered for 6 term hours of work or less $15.00 per term hour (minimum, $30.00 per term)
Auditor's fee for lectures, per term hour $5.00
An auditor is a person who has obtained permission to attend classes without receiving academic credit.
Transcript fee $1.00
One transcript is issued free; a fee of $1.00 is charged for each additional transcript.
Evaluation fee $5.00
The evaluation fee is charged for the evaluation of transcripts submitted with the application for admission; not refundable.
Late-registration fee, per day $1.00
Students registering after the scheduled registration day of any term pay a late-registration fee of $1.00 per day. The first penalty day for graduate students is one week after the scheduled registration day.
Penalty for late payment of tuition and fees, per day 25 cents
If tuition is not paid two weeks after registration day; a $2.00 fee is required for reinstatement.
Graduate qualifying-examination fee $1.00 to $15.00
Cap-and-gown rental fee $2.00

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

FEE REFUNDS
Students who withdraw from the Medical School and who have complied with the regulations governing withdrawals are entitled to certain refunds of fees paid, depending on the time of withdrawal. The refund schedule has been established by

1 Part-time special students (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 See ADMISSION AND REQUIREMENTS.

1
2

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 $5000 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 $32,000. 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 March 15. Scholarships are awarded by the dean upon the recommendation of the Scholarship Committee of the Medical School.

State Scholarships. In accordance with special authorization from the Legislature, the State Board of Higher Education awards annually a limited number of scholarships to students in the institutions of the State System who are residents of Oregon, who rank high in scholastic attainment, and who need financial assistance. These scholarships cover tuition. Recipients must pay the building fee, the incidental fee, and special fees. Award of state scholarships to students at the Medical School is made upon recommendation of the dean and the Scholarship Committee of the Medical School. Application should be sent to the dean of the Medical School not later than March 15.

George H. Strowbridge Memorial Scholarship. This scholarship consists of the income from a bequest of $5,000 from Mary S. Muehlhaupt 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 March 15. Scholarships are awarded by the dean upon the recommendation of the Scholarship Committee of the Medical School.

Frank Ralston Research Student Assistantship. This assistantship was made available in 1946 through a gift of $5,000 from Dr. Frank Ralston. Since that time additional gifts have increased the principal of the fund to approximately $11,000. The funds are devoted to research in glaucoma under the direction of the head of the Department of Ophthalmology.

Henry Waldo Coe Prize. This prize, established 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.

George T. Gerlinger Memorial Graduation Gift. An annual award of $100 is presented to an outstanding senior from Benton, Linn, or Polk County. The award is supported through a gift presented by Mrs. George T. Gerlinger in 1952 in memory of her husband.

Joseph Lipschutz Memorial Essay Award. An award of $50 is made annually to the fourth-year medical student who writes and presents the best paper in the field of pediatrics. The award is supported by a $600 fund contributed by private donors as a memorial to Dr. Joseph Lipschutz, graduate of the Medical School who gave his life for his country in World War II.

National Foundation for Infantile Paralysis Fellowships. Six fellowships for medical students are provided each year by the National Foundation for Infantile Paralysis. Two fellowships are available in each of the following fields: research in the biological and physical sciences related to medicine, physical medicine and rehabilitation, and public health and preventive medicine. Each grant is for $600 for research during the summer vacation period. Further information may be obtained in the office of the dean.

Lederle Medical Student Research Fellowships. The Lederle Laboratories Division of the American Cyanamid Company provides fellowships for outstanding students for research in the basic sciences. The annual grant from the Lederle Laboratories is $1,200, to be distributed among not more than three students. Further information may be obtained in the office of the dean.

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

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

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

F. E. Jacobs Memorial Loan Fund. This loan fund was established in 1950 through gifts from relatives and friends of the late Dr. F. E. Jacobs, a 1929 graduate of the University of Oregon Medical School. Loans are made to senior medical students. The fund at present totals approximately $600.

University of Oregon Loan Funds. Medical school students are eligible for loans from the University of Oregon student loan funds on the same basis as students on the campus at Eugene.

Student Health

A STUDENT health service program at the Medical School is carried on under the direction of a committee of the faculty appointed by the dean. In order to safeguard the health of all medical students, physical examinations, chest X-rays, inoculations, and other preventive measures are given. A dispensary service, located in the student health office, is conducted by a student health physician and a registered nurse, who maintain regular office hours during the day. Emergencies and treatment of acute diseases are also cared for by the health service. A fee of $6.00 per term is charged each student for this 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 Beta Pi, 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 Williamette 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 1955-56 are:

- Dr. Harry G. Blair, Portland, President
- Dr. Morten J. Goodman, Portland, Vice-President
- Dr. Marshall M. Woodworth, Albany, Vice-President
- Dr. W. Paul Henderson, Tucson, Arizona, Vice-President
- Dr. David W. Springer, Boise, Idaho, Vice-President
- Dr. Archie O. Pitman, Hillsboro, Secretary
- Dr. H. Ryle
- Dr. Marshall M. Woodworth, Portland, Treasurer
- Dr. W. Paul Holbrook, Tucson, Arizona, Secretary
- Dr. John F. Larsell, Portland, Treasurer

Curriculum in Medicine

THE curriculum in medicine requires a total of seven years' work beyond high school. The first three years must be satisfactorily completed before admission to the Medical School in Portland. Since facilities for instruction provide for the acceptance of only a limited number of applicants, completion of premedical studies does not guarantee admission to the Medical School. The four years spent in the Medical School in Portland are devoted to the subjects of the regular four-year curriculum in medicine required by law. The prescribed and recommended subjects for the three premedical years are described under ADMISSION AND REQUIREMENTS. In the first, second, third, and fourth years at the Medical School there are 4,531 class hours of required work. Descriptions of courses are to be found under the several departmental headings.

PRESCRIBED WORK

The hours listed below do not include examination periods.

First Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Aggregate class hours</th>
<th>Lecture</th>
<th>Lab.</th>
<th>Clinic</th>
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<th>Term hours</th>
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<td>330</td>
<td>792</td>
<td>1,122</td>
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### 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 may count toward a professional degree, but cannot apply toward an advanced academic degree (M.A., M.S., or Ph.D.).

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

**501.** Research

**505.** Reading and Conference

**507.** Seminar

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### RECAPITULATION

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<tr>
<th>Term</th>
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<th>Lecture</th>
<th>Laboratory</th>
<th>Clinic</th>
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### PRESCRIBED WORK BY DEPARTMENTS

#### Prescribed Work Class hours

- **Anatomy.**
- **Bacteriology.**
- **Biochemistry.**
- **Physiology.**
- **Pharmacology.**
- **Pathology.**

#### Aggregate Class hours

- **Total hours, preclinical.**

#### Clinical

- **Pathology.**
  - **General Medicine.**
  - **Nervous and Mental Diseases.**
  - **Psychiatry.**
  - **Dermatology and Syphilology.**
  - **General Surgery.**

- **Total hours, clinical.**

#### Total hours, prescribed work.

- **2,694 1/2**
- **4,531 1/2**
Basic Science Departments

ANATOMY

Required Courses

First Year

An 411, 412, 413. Gross Anatomy. 7 hours fall, 5 hours winter, 3 hours spring.
Fall: lectures and quizzes, 3 hours a week; laboratory, 12 hours a week.
Winter: lectures and quizzes, 2 hours a week; laboratory, 9 hours a week.
Spring: lectures and quizzes, 2 hours a week; laboratory, 3 hours a week. 341 hours. Staff.

An 414. Embryology. 4 hours fall.
Lectures and quizzes, 2 hours a week; laboratory, 6 hours a week; 88 hours. Staff.

An 415. Histology. 6 hours winter.
Lectures and quizzes, 3 hours a week; laboratory, 9 hours a week; 132 hours. Staff.

An 511. Neurology and Organs of Special Senses. 4 hours spring.
Prerequisites: An 411, An 415. Lectures, 2 hours a week; laboratory, 6 hours a week; 88 hours. Drs. Pearson, Baker, E. Davis, Dow, J. Harris, Kvernland, K. Livingston, Stotler, and Tunturi.

Elective Courses

An 416. Microscopic Technique. 2 hours spring.
Limited to 8 students. Registration only after consultation with instructor. Laboratory, 6 hours a week; 66 hours. Staff.

An 501. Research. Any term, hours to be arranged.
Drs. Sears, Frisch, and Veazie.

An 505. Reading and Conference. Any term, hours to be arranged.
Drs. Sears, Frisch, and Veazie.

An 507. Seminar and Journal Club. Any term, hours to be arranged.
Anatomical staff and advanced students.

An 514. Special Dissections. Term and hours to be arranged.
Registration limited by available material. Prerequisites: An 411, 412, 413.

An 611. Applied Anatomy. 2 hours spring.
Prerequisites: An 411, 412, 413. Lectures and demonstrations, 2 hours a week; 22 hours. Limited to 45 students. Drs. Pearson, Fox, Garnjost, Hand, Hartmann, Lester, Jones, Williams, Krippaehne, Schell, Wise, and Werner Zeller.

BACTERIOLOGY

Required Courses

Second Year

Bac 413, 414. Medical Microbiology and Immunology. 5 hours each term, fall and winter.
Lectures and recitations. 3 hours a week; laboratory, 6 hours a week; 198 hours. Drs. Sears, Frisch, Veazie, and Miss Brownelee.

Elective Courses

Bac 501. Research in Bacteriology and Immunology. Hours to be arranged.
Drs. Sears, Frisch, and Veazie.

PATHOLOGY

Required Courses

Second Year

Pth 511. General Pathology. 5 hours fall.
Study of prepared slides supplemented by experiments; fresh and museum specimens; kodachrome slides and scopicon orientation. Lectures and recitations, 3 hours a week; laboratory, 6 hours a week; 99 hours. Drs. Hunter, Niles, and Oyamada.

Pth 512. General Pathology. 5 hours winter.
Lectures, 3 hours a week; laboratory, 6 hours a week; 99 hours. Drs. Hunter, Niles, and Oyamada.

Pth 513. Laboratory Diagnosis. 5 hours spring.
Lectures, 3 hours a week; laboratory, 6 hours a week; 99 hours. Dr. Grondahl and assistants.

Pth 514. Gynecological and Obstetrical Pathology. 1½ hours spring.
Lectures, 1 hour a week; laboratory, 2 hours a week; 33 hours. Dr. Sneeden.
PHYSIOLOGY

Required Courses

First Year

Phy 411. Human Physiology. 8 hours spring.
Introductory general physiology, digestive tract, endocrine glands, renal physiology, circulation, respiration, nervous system and special senses. Lectures, 5 hours a week; laboratory, 9 hours a week; 154 hours. Drs. Brookhart, Blake, Griswold, Hurst, Rampone, Ross, and Trainer.

Phy 412. Human Physiology. 6 hours fall.
Special laboratory and library projects on advanced human and mammalian physiology. Lectures, 4 hours a week; laboratory, 6 hours a week; 110 hours. Drs. Brookhart, Blake, Hurst, Rampone, Ross, and Trainer.

Elective Courses

Phy 501. Research. Any term, hours to be arranged.
Open to specially qualified students. Drs. Brookhart, Blake, Hurst, and Ross.

Phy 505. Reading and Conference. Any term, hours to be arranged.
Open to third- and fourth-year students; 2 hours a week; 22 hours. Drs. David and McCawley.

Phy 507. Seminar. 2 hours spring.
Open to third- and fourth-year students; 2 hours a week; 22 hours. Drs. David and McCawley.

Elective Courses

Phy 514. History of Physiology. 1 hour winter.
One hour a week; 11 hours. Limited to 10 students.

PHARMACOLOGY

Required Courses

Second Year

Phc 511. Systematic Pharmacology and Prescription Writing. 5 hours winter.
Lectures and quizzes, 4 hours a week; laboratory, 3 hours a week; 77 hours. Drs. David and McCawley.

Phc 512. Systematic Pharmacology and Pharmacodynamics. 5 hours spring.
Lectures and quizzes, 4 hours a week; laboratory, 3 hours a week; 77 hours. Drs. David and McCawley.

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. McCawley.

Phc 507. Seminar. 2 hours spring.
Open to third- and fourth-year students; 2 hours a week; 22 hours. Drs. David and McCawley.

Phc 514. Toxicological Analysis. 2 hours spring.
(Second year.) Lectures and quizzes, 1 hour a week; laboratory, 3 hours a week; 44 hours. Limited to 16 students. Drs. David and McCawley.
Clinical Departments

MEDICINE

INTERNAL MEDICINE

Required Courses

First Year

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

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

Second Year

Med 612, 613. 6. Physical Diagnosis. 3 hours each term.

Lectures, 2 hours a week; demonstrations, 2 hours a week; 132 hours. Drs. Lewis, Gould, Griswold, Haney, Lindgren, and P. Selling.

Third Year

Med 617, 618. Clinical Clerkship. 6½ hours each term.

Students are assigned to the medical service in the Multnomah Hospital and Veterans Hospital, one term in each hospital, in sections. Nine hours a week; 198 hours. Drs. Allen, Bergman, Field, Gilmore, Gould, Griswold, A. Lindgren, MacDaniels, Paquet, H. Peterson, Pierson, Ritzmann, Robins, P. Selling, Duane Taylor, and Wirtschafter.

Med 620, 621. Medical Clinic. ½ hour each term.

Multnomah Hospital. One hour a week, in sections; 22 hours. Drs. Forster, Haney, Perlman, and Wirtschafter.

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 a week; 198 hours. Drs. Lewis, Boylston, Brill, Coffen, Cohen, Fitzgibbon, Frisch, Goodman, Griswold, Haney, Heller, Kammer, Koler, Krygier, Labby, Long, Maurice, Moore, Osgood, Rogers, E. Rosenbaum, Schwartz, P. Selling, Speros, Swank, and Tuby.

Fourth Year

Med 624, 625, 626. Medical Outpatient Clinic. 2 hours each term.

Four hours a week; 132 hours. Drs. Alleman, Beall, Berg, Blanchard, Blickle, Casterline, Chesnut, Cohen, Dick, Fisher, Galen, Hampton, Haney, Kohler, Larson, Lob, MacDaniels, Murphy, Richards, Seufert, Tatum, Vidgoff, Wilson and Woodworth.

Med 627. Medical Clinic. ½ hour fall.

Tuberculosis Hospital. Diseases of the chest. One hour a week; 11 hours. Drs. Conklin and Lowell.

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

Outpatient Clinic. Four hours a week for 5½ weeks, in sections; 22 hours. Drs. Speros and Tuby.

Med 636. Diabetes and Metabolism Division, Outpatient Clinic. 1 hour, one section each term.

Outpatient Clinic, clinical conference. Two hours a week, in sections; 22 hours. Drs. Labby, Crommelin, Horenstein, Kammer and Stephens.

Med 664. Tuberculosis Clerkship. ½ hour each term.

Tuberculosis Hospital. One hour a week for 5½ weeks, 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, 1 hour a week; 11 hours. Dr. David.

Med 672, 673, 674. Conferences on Medical Therapy. ½ hour each term.

Conferences on therapy. One hour a week; 33 hours. Drs. Lewis, David, Labby, and McCawley, and staff.

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; 22 hours. Dr. Riddle.

Med 680. Gastroenterology Division, Outpatient Clinic. 1 hour, one section each term.

Outpatient Clinic, clinical conference. Two hours a week, in sections; 22 hours. Drs. Field, Healy, Hollebeck, Littlehales, Lodmell, Long, Riley, and Soelding.

Med 681. Endocrinology Division, Outpatient Clinic. 1 hour, one section each term.

Outpatient Clinic, clinical conference. Two hours a week, in sections; 22 hours. Drs. Osgood, Ammam, Harvey, Kammer, Labby, and Rogers.

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

Outpatient Clinic, clinical conference. Two hours a week, in sections; 22 hours. Drs. Tuby, Conklin, Perlman, and Reed.

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

Outpatient Clinic, clinical conference. Two hours a week, in sections; 22 hours. Drs. Osgood, Koler, M. Krippaehne, Seaman, and Voth, and Mrs. Speros.

Med 684. Allergy Division, Outpatient Clinic. 1 hour, one section each term.

Outpatient Clinic, clinical conference. Two hours a week, in sections; 22 hours. Drs. Moore, Matteri, Perlman, and Reed.

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.
STUDENT INFORMATION

Med 607. Seminar in Medicine. Any term, hours to be arranged.
Med 649. Tuberculosis Control Clinic for Children. ½ hour any term.
(Fourth year.) Two hours a week for 5½ weeks; 11 hours. Limited to 4 students. Drs. Speros and Maurice.
Med 650. Rheumatology Division, Outpatient Clinic. 1 hour each term.
Outpatient Clinic, clinical conference and demonstration. Two hours a week, in sections; 22 hours. Limited to six students a term. Drs. Rinehart and E. Rosenbaum.
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, in sections; 22 hours. Drs. Swank, Aumann, R. Baker, Burns, Carter, Dow, and Margason.

Neu 615. Clinic. ½ hour, one section each term.
1 hour a week; 11 hours. Drs. Swank and 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. One hour a week; 11 hours. Drs. Dixon, Dickel, Haugen, and Sheldon.

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; 22 hours. Drs. Dixon, Dickel, Haugen, and Shanklin.
Laboratory Neuropathology (See Pth 515).

Ps 615. Psychiatry Division, Outpatient Clinic. 1 hour, one section each term.
Outpatient Clinic, clinical conference. Two hours a week, in sections; 22 hours. Drs. Dixon, Burke, Campbell, Dickel, Evans, Haugen, Kenin, Shanklin, and Thompson.

Fourth Year

Ps 619. Psychoses. ½ hour fall.
Lectures and demonstrations of various psychoses from the viewpoint of mental mechanism, etiology, symptomology, diagnosis, and treatment. One hour a week; 11 hours. Drs. Dixon, Dickel, Haugen, and Shanklin.

DERMATOLOGY AND SYPHILOLOGY
Required Courses

Third Year

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

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. Six hours a week for 5½ weeks, in sections; 33 hours. Drs. Fitzpatrick, Dahl, D. Frisch, Lerner, and Saunders.

DENTAL AND ORAL MEDICINE
Required Course

Third Year

DM 612. Dental Facial Growth and Oral Pathology. 1 hour fall.
The course is designed to give the medical student an appreciation of significant growth and developmental changes in 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; 11 hours. Dr. Noyes.

RADIOLOGY
Required Course

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 fluoroscope; the medical, surgical, and dental application of roentgenology in diagnosis; the uses, the limitations, and the dangers. One hour a week; 33 hours. Dr. Dotter and staff.

Elective Course

Rad 615. Radiographic Diagnosis. Any term, hours to be arranged.
(Fourth year.) Practical experience in all phases of radiographic diagnosis. Limited to 2 students. Dr. Dotter.

PUBLIC HEALTH AND PREVENTIVE MEDICINE
Required Courses

First Year

PH 411. Statistical Methods as Applied to Medicine. 2 hours spring.
Introduction to the principles of scientific method and statistical reasoning useful in the practical problems of medical research, practice, and administra-
SURGERY

GENERAL SURGERY

Required Courses

Sur 610, 611. Introduction to Surgery. 1 hour each term, winter and spring.
  Designed to give the student an appreciation of surgery, the history of its
  achievements and its limitations, the principles underlying surgical techniques,
  and the application of the basic sciences to surgical practice. Lectures, 1
  hour a week; 22 hours. Dr. Livingston.

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

Third Year

Sur 613, 614. Minor Surgery. 1 hour each term, fall and winter.
  Lectures and demonstrations concerning minor surgical conditions and their
  treatment. Lectures, 1 hour a week; 22 hours. Dr. Johnsrud.

Sur 615. Physiotherapy. ½ hour spring.
  Lectures and demonstrations, 1 hour a week; 11 hours. Dr. Jones.

Sur 640. Clinical Clerkship. 3 hours.
  Students are assigned to the surgical service in the Multnomah Hospital and
  Veterans Hospital for one term in sections. Six hours a week; 66 hours, Drs.
  Bassett, Battalia, Cline, Colver, A. Diack, Higginson, Lee, Manlove, Kent
  Markee, Wayson, N. Wilson, and Wise.

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.

ORTHOPEDIC SURGERY

Required Courses

Orp 611. Orthopedic Surgery. 1 hour fall.
  Lectures, 2 hours a week; 22 hours. Dr. Snell.

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 term. Lectures and clinic, 2 hours a week;
  44 hours. Drs. Carlson, Chuinard, and Snell.

Fourth Year

Orp 616. Orthopedic Outpatient Clinic. ½ hour, one section each term.
  Two hours three times a week for 5½ weeks, in sections; 33 hours, Drs.
  Lucas, Abele, Begg, Berg, T. Boyden, Buckmaster, Cherry, Chuinard, Cohen,
  H. Davis, J. Davis, Gantenbein, Gill, R. Hopkins, Jones, Kimberley, Mc-
  Murray, J. Mason, Neall, Rankin, Robinson, Short, F. Smith, and Snell.
Elective Course

Orp 615. Orthopedic Ward Walk. 1 hour any term.
(4th year.) Shriners' Hospital for Crippled Children. General ward rounds in the hospital, with discussion of the cases and methods of orthopedic treatment in deformities of children. Two hours a week; 22 hours. Drs. Lucas and Noall.

UROLOGY

Required Courses

Third Year

Ur 611. Diseases Affecting the Genito-Urinary Tract. 1½ hour spring.
Lectures, 1 hour a week; 11 hours. Dr. Hodges.

Fourth Year

Ur 612, 613. Urological Clinic. 1½ hour each term, fall and winter.
Lectures and clinic, 1 hour a week; 22 hours. Drs. McDougall and Montgomery.

Ur 614. Outpatient Clinic. 1½ hours, one section each term.
Six hours a week for 5½ weeks, in sections; 33 hours. Drs. Hodges, Barr, Beardsley, T. Davis, Deur, Hott, Keizer, Larsell, McDougall, Nielsen, and Rustin.

ANESTHESIOLOGY

Required Courses

Third Year

Sur 661, 662. Lectures on Anesthesia. 1½ hour each term, winter and spring.
Lectures on anesthesia, with demonstration and description of equipment employed; discussion of history, physiology, signs and methods of anesthesia; the various agents. Lectures, 1 hour a week; 22 hours. Dr. Haugen.

Fourth Year

Sur 663. Clerkship in Anesthesia. 1½ hour, one section each term.
Observation of anesthetic procedures in the operating room, and directed supervision in assisting the administration of the various types of anesthesia. Four hours a day for 3 days; 12 hours. Dr. Haugen.

OPHTHALMOLOGY

Required Courses

Third Year

Eye 611. Eye. 1½ hour spring.
Lectures and quizzes, 1 hour a week; 11 hours. Dr. Swan.

Fourth Year

Eye 612. Eye Outpatient Clinic. 1½ hours, one section each term.
Six hours a week for 5½ weeks, in sections; 33 hours. Drs. Swan, Christiansen, Fischer, J. Harris, Keizer, Kreft, Lyman, Markley, Schiegel, Talbot, and R. Zeller.

Eye 613. Eye. 1½ hour fall.
Lectures, demonstrations, and quizzes, 1 hour a week; 11 hours. Dr. Swan.

OBSTETRICS

Required Courses

Third Year

Obs 611. Introductory Obstetrics. 1 hour fall.
Lectures, recitations, and demonstrations in obstetrics. The anatomy and physiology of the female pelvis and genitals; diagnosis of pregnancy; the management of normal pregnancy; physiology of and clinical course in normal labor and puerperium. One hour twice a week; 22 hours. Drs. Fearl, Kulasaavage, and R. Neilson.

Obs 612. Lecture and Demonstration Course in Obstetrics. 1 hour winter.
Mechanism of normal and abnormal presentation; manikin demonstration; care of the newborn child. Obstetrical technique; forces, version, pubiotomy, cesarean section, and embryotomy. One hour twice a week; 22 hours. Drs. Fearl, Kulasaavage, R. Neilson, and Schauffler.

Obs 613. Pathology of Pregnancy, Labor, and the Puerperium. 1 hour spring.
Lecture and demonstration. One hour twice a week; 22 hours. Drs. Fearl, Kulasaavage, D. Neilson, and R. Neilson.
Obs 614. Attendance at Deliveries. ½ hour any term.
Each student required to be in attendance at and observe twelve deliveries in Multnomah Hospital. Prerequisite: Obs 611, 11 hours. Dr. Stearns.

Obs 615. Manikin. ½ hour, one section each term.
Lectures and demonstration. One hour a week, in sections; 11 hours. Dr. Keith Markee.

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 for 5½ weeks, in sections; 22 hours. Drs. Franklin, Greene, Hartmann, Kulasavage, Lage, Keith Markee, Ray, Scherman, and Thomas.

Obs 617. Outpatient Service. ½ hour any term.
Delivery of patients in the home and hospital, and attendance upon mother and child after delivery. Each student required to participate in six deliveries during an assigned period. Prerequisite: Obs 614, 33 hours. Dr. Stearns.

Obs 618. Postnatal Clinic. ½ hour, one section each term.
Outpatient Clinic. Two hours a week for 5½ weeks; 11 hours. Drs. Henderson, Kulasavage, Keith Markee and Scherman.

Obs 619, 620, 621. General Clinic. ½ hour each term.
Multnomah Hospital. One hour a week; 33 hours. Dr. McCall.

Obs 622. Clerkships. ½ hour, one section each term.
Multnomah Hospital. One hour a week; 33 hours. Drs. Keith Markee and R. Neilson.

Elective Courses

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

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

(Please refer to the Pth 514 section for further details about these courses.)

Gynecological Pathology (see Pth 514).

Fourth Year

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

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

Gyn 613. Clinical Clerksips. 1½ hours, one section each term.
Multnomah Hospital. Three hours a week, in sections; 33 hours. Drs. Keith Markee, Scherman, and Whiteley.

Gynecological Pathology (see Pth 514).

Fourth Year

Gyn 614. Practical Gynecology. 1 hour, one section each term.
Outpatient Clinic. Four hours a week for 5½ weeks, in sections; 22 hours.

Gyn 615. Clinical Clerkships. 2 hours, one section each term.
Multnomah Hospital. Two hours a week for 5½ weeks, in sections; 11 hours. Dr. Stearns.

Elective Courses

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

Gyn 618. Gynecological Tumor Clinic. ½ hour any term.

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

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. One hour a week; 33 hours. Drs. Hill, Aldrich, Babson, Bradley, and Clark.

Ped 614, 615, 616. Diseases of Infancy and Childhood. ½ hour each term.
A comprehensive study of diseases of children. Recitations, lectures, and clinical demonstrations. One hour a week; 33 hours. Drs. Hill, Aldrich, Babson, Bradley, and Clark.

Ped 617. Clerkships. 2 hours, one section each term.
Doernbecher Hospital. Four hours a week, in sections; 44 hours. Drs. Clark and Dana.

Ped 618. Physical Diagnosis in Children. ½ hour, one section each term.
Lectures, clinics, and demonstrations at the Doernbecher Hospital. One hour a week, in sections; 11 hours. Drs. Bridgeman, and L. H. Smith.

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

Fourth Year

Ped 619. Outpatient Clinic. 2 hours, one section each term.

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. One hour a week; 33 hours. Drs. Aldrich, Bilderback, and Rector.

Elective Courses

Ped 601. Research. Any term, hours to be arranged.
Ped 620. **Infant Feeding Clinic.** ½ hour, one section each term.

Outpatient Clinic. Two hours a week for 3½ weeks; 11 hours. Limited to 10 students. Drs. Hill, Shick, and Stewart.

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).*

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**Special Programs**

**Graduate Residency Program**

ONE of the important functions of a medical school is the training of physicians in the medical specialties. The demand for such training has greatly increased in recent years. In response, the Medical School residency program has been expanded to provide approximately 60 appointments. Residency training follows one year of internship and consists of two, three, or four years of study devoted entirely to one specialized field of medicine. Instruction is received both in clinical departments and in related basic science departments of the school.

All residencies have received the approval of the Council on Medical Education and Hospitals of the American Medical Association and of the respective American boards. Residencies are offered in anesthesiology, dermatology and syphology, experimental medicine, internal medicine, obstetrics and gynecology, neurological surgery, neurology, ophthalmology, orthopedic surgery, otolaryngology, pathology (both clinical and anatomical), pediatrics, radiology, general surgery, thoracic surgery, and urology.

The following Portland hospitals cooperate with the Medical School in the residency programs: City of Portland Isolation Hospital, Emanuel Hospital, Shriners' Hospital for Crippled Children, Good Samaritan Hospital, and Veterans Hospital.

Applications should be made to the Medical Director of the University of Oregon Medical School Hospitals and Clinics. Appointments are made approximately six months in advance of the beginning of the residency period, July 15.

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**Postgraduate Program**

THE University of Oregon Medical School makes its teaching and clinical facilities available to physicians for continued postgraduate study. An extensive postgraduate program has been arranged, consisting of a series of short intensive courses, usually of three to five days' duration. These courses are devoted to special subjects and are scheduled throughout the year. Instruction is by lectures and demonstrations, the method of presentation depending upon the subject.

Courses are offered in the following fields: dermatology, general surgery, internal medicine, malignant diseases, obstetrics and gynecology, ophthalmology, orthopedic surgery, pediatrics, radiology, and urology.

Enrollment is open to any graduate of an approved medical school who is licensed to practice in his state of residence. The fee for five-day courses is $50.00; the fee for shorter courses is proportionately less.

Any physician meeting the eligibility requirements stated above may attend any of the regularly scheduled clinical teaching activities in the hospitals and clinics without official enrollment and without payment of fees.

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**Graduate Studies**

THE Medical School offers graduate instruction leading to the Master of Science and Doctor of Philosophy degrees; these degrees are conferred by the University of Oregon upon recommendation of the faculty of the Medical School. The graduate program is designed for students who plan careers in teaching and research in the basic medical sciences and to provide specialized training in
the scientific approach to medical problems for students preparing for teaching and research in clinical medicine.

Graduate work, leading to the M.S. or the Ph.D. degree, is offered in the fields of anatomy, bacteriology, biochemistry, pathology, pharmacology, and physiology.

For admission to work toward the master's degree, the student must hold a bachelor's degree from an accredited college or university. A reading knowledge of a modern foreign language is highly desirable; all candidates must have training in elementary statistics. Special undergraduate preparation is recommended by each of the departments offering graduate work; information concerning such preparation may be obtained from the Registrar of the Medical School.

For the M.S. degree, the student must complete 30 term hours of work in his major subject and 15 term hours in a minor subject. A minimum of three academic terms in residence as a graduate student is required. No graduate credit is granted in a course in which the student receives a grade lower than IV, and a minimum yearly average of III is required for continued registration. Each student must submit a thesis, consisting of a report on experimental work, and pass an oral examination on the thesis at least ten days prior to commencement. A written qualifying examination, covering the broad field of his graduate work, may be required of a candidate for the master's degree, at the discretion of the major department and the Graduate Council.

A total of 135 term hours of graduate work is required for the Ph.D. degree, of which a minimum of 20 term hours must be in a single minor or a minimum of 30 term hours in two minors. Not more than 35 term hours of work in a minor will be accepted. The minimum residence requirement is six academic terms. The candidate must maintain a yearly grade average of III or higher. Writing a qualifying examination, covering the broad field of the student's graduate work is required before admission to candidacy for the Ph.D. degree. The student is not eligible to take the qualifying examination until he has demonstrated, by examination, a reading ability in German and in French or another modern foreign language.

The thesis for the Ph.D. degree must show evidence of originality in the planning and execution of independent experimental work, and must represent an original contribution to knowledge. The candidate must pass an oral examination on his thesis.

The Medical School also offers a special program of study for students who wish to earn the M.S. degree while enrolled in the regular medical course. This program requires one academic year of residence beyond the residence required for the M.D. degree. Students following this program are granted minor credit on his thesis. The candidate must pass an oral examination on the thesis at least ten days prior to commencement. A written qualifying examination, covering the broad field of his graduate work, may be required of a candidate for the master's degree, at the discretion of the major department and the Graduate Council.

Further information concerning graduate studies at the Medical School may be obtained from the Registrar of the Medical School.

Nursing Education

The Department of Nursing Education at the University of Oregon Medical School, organized on a collegiate basis; the department offers (1) an undergraduate curriculum designed to prepare young women for service as professional nurses in the care of the sick and in the promotion of community health; and (2) advanced programs of study for graduate nurses.

The student in the undergraduate four-year degree curriculum takes the first five terms of her work at the University of Oregon, at Oregon State College, or at another accredited college or university. The prenursing curriculum is completed with one term of work on the campus of the Medical School, and is followed by a ten-term professional work coordinated with clinical instruction in the hospitals and clinics of the Medical School. The teaching units in which clinical experience is received are the Multnomah Hospital, the Doernbecher Memorial Hospital for Children, the University State Tuberculosis Hospital, the Outpatient Clinic, the Oregon State Hospital, and the new University of Oregon Medical School Hospital (to be opened in January 1956).

The programs for graduate nurses are planned to provide: (1) opportunities for building a strong educational foundation through work in written and spoken English, history, socio-economic problems, literature and the fine arts, and biological and physical science; (2) a thorough preparation in one or more of the following broad nursing fields: (a) general nursing, (b) public health nursing, and (c) teaching and supervision. The programs are open both to nurses who desire to complete work towards a Bachelor of Science degree with a major in nursing and to nurses who wish preparation in a particular area of professional nursing.

A separate catalog containing detailed information on organization, faculty, facilities, requirements, and curricula of the Department of Nursing Education may be obtained on request.

Hospital Dietetics

The course in hospital dietetics offered in the University of Oregon Medical School Hospitals and Clinics was approved by the American Dietetic Association in 1943. The course provides the one-year's internship in a hospital necessary to complete requirements for membership in the association.

The minimum admission requirement is graduation with a B.S. degree from an accredited college with a major in foods or institutional management.

During the twelve-month training period at the Medical School, the student pays no tuition but provides her own supplies, including uniforms. Students receive complete maintenance and an allowance of $15.00 per month.

Appointments are made once a year; applications should be submitted to the Medical Director, University of Oregon Medical School Hospitals and Clinics, not later than February 15.

X-Ray Technique

The Department of Radiology of the University of Oregon Medical School offers a twelve-month course of training for X-ray technicians. The course, which was established in 1930, is approved by the Council on Medical Education and Hospitals of the American Medical Association and by the American Registry of X-Ray Technicians.

The minimum admission requirement is graduation from an accredited high school with a high scholastic rating; however, preference is given applicants who have college training with credits in mathematics and physics.

No tuition is charged during the year's period of training, but the student must provide his own books, supplies, and uniforms.

The course includes lectures in anatomy, physiology, physics, and X-ray equipment, and lectures and clinical experience in dark-room chemistry and procedures, X-ray techniques, positioning of patients, hospital ethics, record keeping, department operation, and X-ray therapy. All instruction is under the direction of
the head of the Department of Radiology, University of Oregon Medical School Hospitals and Clinics.

At the present time 12 students are admitted annually as vacancies occur. Applications should be submitted to the Chief Technician, Department of Radiology, University of Oregon Medical School Hospitals and Clinics.

Upon successful completion of the course, a certificate is given by the University of Oregon Medical School. An additional year of clinical experience under a radiologist must be completed before application for registration with the American Registry of X-Ray Technicians.

Medical Technology

RAYMOND D. GRONDAHL, M.D., Associate Professor; Head of Division of Clinical Pathology; Director of Medical Technology Program.

JAMES H. LIUM, M.D., Associate Professor.

MARBOR DITTEBRANDT, M.D., Assistant Clinical Professor.

TYRA T. HUTCHENS, M.D., Assistant Professor.

MARY ELIZABETH BAPTIST, B.A., M.T., Instructor.

TRAINING in the field of medical technology is offered in the clinical laboratories of the University of Oregon Medical School. The twelve-month program, established in 1933, is approved by the Registry of Medical Technologists of the American Society of Clinical Pathologists and by the Council on Medical Education and Hospitals of the American Medical Association.

The minimum admission requirements are: two years of college work, including 18 term hours in biology; 9 term hours in inorganic chemistry; 4 term hours in either quantitative analysis, organic chemistry, or biochemistry. The applicant's credentials must be approved by the Registry prior to admission. At the present time, approximately 20 students are enrolled annually. Preference is given to students who have three years of college work.

Academic credit is granted for the work of the fall, winter, and spring terms. No credit is given for the summer term, which is required for certification by the Registry. Upon satisfactory completion of the twelve continuous months' training period, a certificate is issued to the student by the University of Oregon Medical School. The student is then eligible to take the National Registry Examination, which is given twice a year. Upon passing the examination, the student is qualified as a registered medical technologist with the American Society of Clinical Pathologists.

Application blanks for admission may be obtained from the Registrar of the University of Oregon Medical School.

FEES. Students in the medical technology program pay the following fees:

<table>
<thead>
<tr>
<th>Tuition</th>
<th>Per term</th>
<th>Per year</th>
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<tbody>
<tr>
<td></td>
<td>$20.00</td>
<td>$60.00</td>
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<tr>
<td>Laboratory and course fee</td>
<td>26.00</td>
<td>78.00</td>
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<tr>
<td>Building fee</td>
<td>5.00</td>
<td>15.00</td>
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<tr>
<td>Incidental fee</td>
<td>6.00</td>
<td>18.00</td>
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Total for Oregon residents: $57.00; total for nonresidents, who pay an additional $40.00 per term: $97.00.

Medical technology students pay the "special fees" listed on page 16 under the conditions indicated.

Textbooks and uniforms are supplied by the student. No dormitories are available on the Medical School campus.

Tuition

MT 410. Clinical Bacteriology. 4 hours fall. 6 hours winter.

The bacteria pathogenic for man. Study of the culture, the morphological characteristics, and the means of isolation and identification of these organisms. Fall: lectures, 4 hours a week. Winter: lectures, 3 hours a week; laboratory, 9 hours a week. 176 hours. Dr. Lium.

MT 411. Clinical Bacteriology. 6 hours fall. 3 hours winter.

A study of the collection, preservation, and care of the various types of clinical specimens. Lectures, 1 hour a week; laboratory, 3 hours a week; 44 hours. Dr. Grondahl and staff.

MT 414. Urinalysis. 4 hours spring.

A study of the mechanism of formation and identification of the normal and abnormal components of urine. Lectures, 2 hours a week; laboratory, 6 hours a week; 88 hours. Miss Baptist.

MT 420. Histological Technique. 4 hours spring.

Principles of tissue fixation, dehydration, and staining, with special emphasis upon methods used in histopathologic technique. Lectures, 2 hours a week; laboratory, 6 hours a week; 88 hours. Dr. Grondahl and staff.

MT 424. Clinical Biochemistry. 5 hours fall. 6 hours winter.

The principles of biochemistry and the applications of colorimetry, gassometric analysis, and quantitative chemistry in the determination of the substances in blood and body fluids. Fall: lectures, 3 hours a week; laboratory, 6 hours a week; 231 hours. Dr. Dittebrandt.

MT 430. Principles of Hematology. 5 hours fall.

The normal function and development of blood cells, red blood counts, white blood counts, differential cell counts, platelet counts, sedimentation rate, coagulation, bleeding time, and red blood cell fragility. Lectures, 3 hours a week; laboratory, 6 hours a week; 99 hours. Dr. T. Hutchens.

MT 431. Special Hematology. 3 hours winter.

Blood dyscrasias, bone marrow, and blood studies relative to the anemias, leukemia, and other pathological conditions of blood. Lectures, 2 hours a week; laboratory, 3 hours a week; 55 hours. Dr. T. Hutchens.
MT 436. Applied Serology. 5 hours spring.

The principles of serological phenomena in the laboratory. The factors influencing precipitin, flocculation, and complement fixation tests as applied to serum diagnosis of disease. Special consideration of flocculation and complement fixation tests as they apply to the diagnosis of syphilis. Lectures, 2 hours a week; laboratory, 9 hours a week; 121 hours. Dr. Grondahl.

MT 437. Clinical Parasitology. 3 hours spring.

The life cycles, modes of transmission, and diagnostic features of the more common parasites of man. Lectures, 2 hours a week; laboratory, 3 hours a week; 55 hours. Miss Baptist.
EXECUTIVE FACULTY OF MEDICAL SCHOOL


STANDING COMMITTEES


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Jones Lectureship—Howard P. Lewis (chairman), HANCE F. HANEY.


Student Health—NORMAN A. DAVID (chairman), HANCE F. HANEY, CHARLES N. HOLMAN, JOSEPH B. TRAINER, ADOLPH WEINZIRL, WILLIAM A. ZIMMERMAN, HENRIETTA DOLTZ.

Scholarships—EDWARD S. WEST (chairman), ALLAN J. HILL, HARRY J. SEARS, WILLIAM A. ZIMMERMAN, HENRIETTA DOLTZ (Department of Nursing Education).

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RALPH A. FENTON, M.D., Professor Emeritus of Otolaryngology.
WILLIAM BURROUGHS HOLDEN, M.D., Professor Emeritus of Surgery.
NOBLE WILEY JONES, M.D., Professor Emeritus of Medicine.
CHARLES RICHARD MCCLURE, M.D., Professor Emeritus of Orthopedic Surgery.
CHARLES E. SEARS, M.D., Professor Emeritus of Medicine.
LAURENCE SELLING, M.D., Professor Emeritus of Medicine.

BASIC SCIENCE DEPARTMENTS

ANATOMY

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ROBERT L. BACON, Ph.D., Associate Professor.
DAVID L. GUNBERG, Ph.D., Assistant Professor.
WILLIAM A. STOTLER, Ph.D., Professor.
ARTHUR W. FRISCH, Ph.D., M.D., Professor.
LYLE VEAZIE, Ph.D., Associate Professor.
INEZ BROWNLEE, M.S., Instructor.

BACTERIOLOGY

HARRY JOHNSON SEARS, Ph.D., Professor; Head of Department.
ARTHUR W. FRISCH, Ph.D., M.D., Professor.

BIOCHEMISTRY

EDWARD STAUNTON WEST, Ph.D., Professor; Head of Department.
WILBERT R. TODD, Ph.D., Professor.
JOHN T. VAN BRUGGEN, Ph.D., Associate Professor.
WILLIAM T. MASON, Ph.D., Associate Professor.
CLARISSE BEATTY, Ph.D., Assistant Professor.
ROBERT A. ALDRICH, M.D., Research Associate.
JOHN E. HARRIS, M.D., Research Associate.
JACK M. SULLIVAN, M.D., Research Associate.

BIOLOGY

BIOCHEMISTRY

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JOHN T. VAN BRUGGEN, Ph.D., Associate Professor.
WILLIAM T. MASON, Ph.D., Associate Professor.
CLARISSE BEATTY, Ph.D., Assistant Professor.
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JOHN E. HARRIS, M.D., Research Associate.
JACK M. SULLIVAN, M.D., Research Associate.

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ROBERT A. ALDRICH, M.D., Research Associate.
JOHN E. HARRIS, M.D., Research Associate.
JACK M. SULLIVAN, M.D., Research Associate.
FACULTY

PATHOLOGY

Warren Clair Hunter, M.A., M.D., Professor; Head of Department.
Frank Raymond Menne, M.D., Clinical Professor.
Frank B. Queen, M.D., Professor.
Vinton D. Sneeden, M.D., Clinical Professor.
Sheldon A. Jacobson, M.D., Associate Clinical Professor.
Edward Colton Meeke, M.D., Associate Professor.
Homer H. Harris, M.D., Assistant Professor.
Nelson R. Niles, M.D., Assistant Professor.
Abe Oyamada, M.D., Assistant Professor.
Ernest J. Losli, M.D., Clinical Instructor.
Jeff Minckler, M.D., Clinical Instructor.
Joseph E. Nohlgren, M.D., Clinical Instructor.
George W. Schneider, Jr., M.D., Instructor.

Clinical Pathology

Raymond D. Grondahl, M.D., Associate Professor; Head of Division.
James H. Lium, M.D., Associate Professor.
Marlowe Dittbrandt, M.D., Assistant Clinical Professor.
Tyra T. Hutchens, M.D., Assistant Professor.
Mary Elizabeth Baptist, B.A., M.T., Instructor in Medical Technology.
Martha Hamilton, M.D., Resident.
Gerald J. Latting, M.D., Resident.
*Eugene W. Landreth, M.D., Resident.
Marthe E. Smith, M.D., Resident.
Alton R. Stier, M.D., Resident.

PHARMACOLOGY

Norman A. David, M.D., Professor; Head of Department.
Elton L. McCawley, Ph.D., Associate Professor.
H. Lenox H. Dick, M.D., Research Associate.
Nilkant H. Phatak, Ph.G., Ph.D., Research Associate.

* On leave for military service.

PHYSIOLOGY

John M. Brookhart, Ph.D., Professor; Head of Department.
William D. Blake, M.D., Associate Professor.
Benjamin B. Ross, Ph.D., Assistant Professor.
Joseph B. Trainer, M.D., Assistant Professor.
alfred J. Rampone, Ph.D., Instructor.
Moses E. Steinberg, M.S., M.D., Clinical Research Associate.
D. Duane Denny, B.A., Student Assistant.
Miles J. Edwards, B.A., Student Assistant.
Richard T. Jones, B.S., Student Assistant.
Robert E. Mammen, B.A., Student Assistant.
W. Alden Spencer, B.A., Student Assistant.

CLINICAL DEPARTMENTS

MEDICINE

Internal Medicine

Howard P. Lewis, M.D., Professor; Head of Department.
David W. E. Baird, M.D., Professor; Dean of the Medical School.
John Harold Fitzgibbon, M.D., Clinical Professor.
Hance F. Haney, M.D., Professor; Director of Medical Outpatient Services.
Blair Holcomb, M.D., Clinical Professor; Senior Consultant in Diabetes and Metabolism.
Merle L. Margason, M.D., Clinical Professor; Senior Consultant in Neurology.
Edwin Eugene Osgood, M.D., Professor; Head of Division of Experimental Medicine.
Homer Parrott Rush, M.D., Clinical Professor; Senior Consultant in Cardiology.
William H. Sheldon, M.D., Clinical Professor.
Roy L. Swank, M.D., Professor.
Isidor Cherniak Brill, M.D., Associate Clinical Professor.
Robert S. Dow, M.D., Associate Clinical Professor.
Herbert E. Griswold, Jr., M.D., Associate Professor.
Carl G. Heller, Ph.D., M.D., Associate Clinical Professor.
Charles N. Holman, M.D., Associate Professor; Medical Director and Administrator of Hospitals and Clinics.
Daniel H. Labby, M.D., Associate Professor.
Merle W. Moore, M.D., Associate Clinical Professor.
Matthew C. Riddle, M.D., Associate Clinical Professor.
Arthur J. Seaman, M.D., Associate Professor; Associate Director of Division of Experimental Medicine.
Zoltan T. Witecki, M.D., Associate Clinical Professor.
William S. Conklin, M.D., Assistant Clinical Professor.
Earl Danford DuBois, M.D., Assistant Clinical Professor.
Morton Goodman, M.D., Assistant Clinical Professor.  
Jarvis Gould, M.D., Assistant Professor; Assistant Medical Director of Hospitals and Clinics.  
William R. Haas, M.D., Assistant Clinical Professor.  
William Fletcher Hollenbeck, M.D., Assistant Clinical Professor.  
John J. Kuykendall, M.D., Assistant Clinical Professor.  
George B. Long, M.D., Assistant Clinical Professor.  
Frank Perlman, M.D., Assistant Clinical Professor.  
Demetrios A. Rigas, Ph.D., Assistant Professor of Experimental Medicine.  
Philip Selling, M.D., Assistant Clinical Professor.  
James T. Speers, M.D., Assistant Clinical Professor.  
Joseph B. Trainer, M.D., Assistant Professor.  
John E. Tuyet, M.D., Assistant Clinical Professor.  
Frank Underwood, M.D., Assistant Clinical Professor.  
Charles Pearson Wilson, M.D., Assistant Clinical Professor.  
Howard E. Allen, M.D., Clinical Associate.  
Russell L. Baker, M.D., Clinical Associate.  
Arthur M. Bergman, M.D., Clinical Associate.  
George A. Boylston, M.D., Clinical Associate.  
Edgar Murray Burns, M.D., Clinical Associate.  
Richard R. Carter, M.D., Clinical Associate.  
Charles W. Coffen, M.D., Clinical Associate.  
William Cohen, M.D., Clinical Associate.  
Rudolph M. Crommelin, M.D., Clinical Associate.  
Audrey M. Davis, M.D., Clinical Associate.  
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William J. Swett, M.D., Clinical Associate.  
David K. Taylor, M.D., Clinical Associate.  
Ben Vidgoff, M.D., Clinical Associate.  
John D. Welch, M.D., Clinical Associate.  

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MERLE M. KURTZ, M.D., Resident.
ROBERT D. MICHAEL, M.D., Resident.
THOMAS E. MORRIS, Jr., Resident.
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PHILIP SELING, M.D., Clinical Associate.
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MORTON GOODMAN, M.D., Assistant Clinical Professor.
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SAMPLIE DIAZ, M.D., Clinical Instructor.
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SHELDON SWIFT, M.D., Research Assistant.
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BRUCE R. CHENOWETH, M.D., Resident.
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Dental and Oral Medicine

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RONALD F. BAKES, M.D., D.M.D., Clinical Associate.
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J. ROBERT LEE, M.D., Clinical Instructor.
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FRED C. SHIPPS, M.D., Clinical Instructor.
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DORIS CATHERINE SMITH, R.T., Instructor in Radiological Technique.
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HARRY NEWMAN, M.D., Resident.
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PUBLIC HEALTH AND PREVENTIVE MEDICINE

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CARL E. HOPKINS, Ph.D., Associate Professor.
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THOMAS L. MEADOR, M.D., Clinical Instructor.
SAMUEL E. OSGOOD, M.D., Clinical Instructor.

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Laurence J. Cohen, M.D., Clinical Instructor.
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Lewis W. Jordan, M.D., Clinical Associate.
Paul B. Myers, M.D., Clinical Associate.
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Duncan R. Neilson, M.D., Assistant Clinical Professor.
Ronald P. Neilson, M.D., Assistant Clinical Professor.
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Melvin W. Breese, M.D., Clinical Instructor.
Charlotte Louise Clancy, M.D., Clinical Instructor.
Richard W. Franklin, M.D., Clinical Instructor.
W. Ronald Fraziers, M.D., Clinical Instructor.
Remy W. Fulshier, M.D., Clinical Instructor.
Robert B. Greene, M.D., Clinical Instructor.
William L. Hartmann, M.D., Clinical Instructor.
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Robert C. Honodel, M.D., Clinical Instructor.
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Quinns Wilson, M.D., Associate Clinical Instructor.
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John Arthur May, M.D., Clinical Instructor.
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Robert J. Mercam, M.D., Resident.
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John L. Stevenson, M.D., Resident.
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GWYNN C. BRICE, Administrative Assistant; Assistant Director of Outpatient Clinic.

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WILLIAM K. LIVINGSTON, M.D., Chief of Surgical Service.
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KENNETH C. SWAN, M.D., Chief of Ophthalmological Service.
HENRY H. DIXON, M.D., Chief of Psychiatric Service.
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RAYMOND D. GRONDAHL, M.D., Director of Clinical Laboratories.

MARJORIE MERRICK, B.S., Chief of Admitting Service.
MILDRED BERGHEIM, M.A., M.S.W., Supervisor of Medical Social Service.
LAURA MARTIN, R.N., C.R.L., Chief Record Librarian.
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SHIRLEY M. THOMPSON, R.N., Director of Nursing.

ALLAN J. HILL, Jr., M.D., Chief of Staff.
CHARLES T. DOTTER, M.D., Radiologist.
RAYMOND D. GRONDAHL, M.D., Director of Clinical Laboratories.
WARREN C. HUNTER, M.D., Pathologist.
ARTHUR C. JONES, M.D., Chief of Physical Medicine.

DOROTHY BURCHETTE, M.N., R.N., Clinical Instructor in Nursing.
BETTY WEBLE, B.S., R.N., Clinical Instructor in Nursing.
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RUTH REMLY, R.N., Evening Supervisor.
EVELYN JORDON BARTON, R.N., Night Supervisor.
ELEANOR MALLORY, R.N., Surgery Supervisor.
BARBARA BURKHART, R.N., Head Nurse.
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PATRICIA BRADLEY, R.N., Night Supervisor.
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MARY RICHESON, R.N., Nurse Aide Supervisor.

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THELMA DANILSON, M.S.S., Instructor in Psychiatric Social Work.

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NADINE POWELL, B.S., R.P.T., Physical Therapist.
MARGARET A. COSTELLO, Administrative Assistant.
GERTRUDE E. COX, Accounting Clerk.
Enrollment and Degrees

Degrees Conferred June 10, 1955

DOCTOR OF MEDICINE

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Richard Nelson Bolton........................................University of Oregon Medical School Hospitals and Clinics, Portland, Ore.
Donald Sydney Boots..........................................Trailer Army Hospital, Honolulu, T.H.
John Robert Calverley........................................University Hospitals, Iowa City, Iowa
Wiley Leigh Campbell.........................................University of Oregon Medical School Hospitals and Clinics, Portland, Ore.
Robert Milroy Cockburn.......................................University of Oregon Medical School Hospitals and Clinics, Portland, Ore.
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Lawrence Irwin Dunlap.........................................Cook County Hospital, Chicago, Ill.
Ernest Ward Ely................................................Los Angeles County Hospital, Los Angeles, Cal.
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Robert Hageman Gray..........................................University of Oregon Medical School Hospitals and Clinics, Portland, Ore.
Earl Gregoire................................................Pontiac General Hospital, Pontiac, Mich.
James Vincent Harber.........................................University of Oregon Medical School Hospitals and Clinics, Portland, Ore.
Leland Wesley Hoar........................................Minneapolis General Hospital, Minneapolis, Minn.
William David Howard........................................University of Oregon Medical School Hospitals and Clinics, Portland, Ore.
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Kaye Howard Keller........................................Los Angeles County Hospital, Los Angeles, Cal.
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Robert Kim................................................Army Medical Center, Washington, D.C.
Richard Edward Lahti.........................................Madigan Army Hospital, Tacoma, Wash.
William Morrow Laidlaw....................................Henry Ford Hospital, Detroit, Mich.
Gary Howard Leaverton.......................................University of Oregon Medical School Hospitals and Clinics, Portland, Ore.
Bryan D. Lee................................................District of Columbia General Hospital, Washington, D.C.
Elen-Fu Lo................................................Detroit Memorial Hospital, Detroit, Mich.
Norman Dean Logan........................................University of Oregon Medical School Hospitals and Clinics, Portland, Ore.

INTERNERSHIP

Robert Arthur Neill, Jr......................................Trailer Army Hospital, Honolulu, T.H.
Martin Louis Ovitz........................................Bronx Municipal Hospital Center, New York, N.Y.
Roy Alpha Payne........................................Providence Hospital, Portland, Ore.
Walter Williams Payne, Jr................................Wayne County General Hospital, Detroit, Mich.
Alexander Eugene Petroff..................................University of Oregon Medical School Hospitals and Clinics, Portland, Ore.
William Albert Price, Jr..................................Southern Pacific General Hospital, San Francisco, Cal.
Michael Raymond Rask......................................Kings County Hospital Center, Brooklyn, N.Y.
William Morgan Ross........................................San Joaquin General Hospital, French Camp, Cal.
George Willard Schneider, Jr................................Letterman Army Hospital, San Francisco, Cal.
Duane Leon Seig........................................U. S. Naval Hospital, Oakland, Cal.
John Frederick Siegrist....................................University Hospitals, Madison, Wis.
Francis Scott Smyth, Jr.....................................University of California Hospital, San Francisco, Cal.
William Kenneth Stark.......................................Emmanuel Hospital, Portland, Ore.
Max Jesse Stephenson........................................University Hospitals, Iowa City, Iowa
Cameron Allen Stewart.......................................U. S. Naval Hospital, Pensacola, Fla.
Agnar Allen Straums-Jord..................................University of Oregon Medical School Hospitals and Clinics, Portland, Ore.
Ralph Eugene Thompson......................................University Hospital, Ann Arbor, Mich.
Irving Tobin................................................The Swedish Hospital, Seattle, Wash.
Joseph Gerald Toole.........................................Highland-Alameda County Hospital, Oakland, Cal.
Paul Chesman Turner.........................................Sacramento County Hospital, Sacramento, Cal.
Rex John Underwood..........................................U. S. Naval Hospital, St. Albans, N.Y.
Robert Earl Van Bruggen.....................................San Bernardino County Charity Hospital, San Bernardino, Cal.
Harold Folger Weeks.........................................Rochester General Hospital, Rochester, N.Y.
Marvin Jerome Weinstein.....................................Santa Clara County Hospital, San Jose, Cal.
Lynn Cabell White........................................William Beaumont Army Hospital, El Paso, Texas
Dean Morrison Wilcox........................................U. S. Naval Hospital, Portsmouth, Va.
Franklin Morris Wolfe.......................................Sacramento County Hospital, Sacramento, Cal.
June Durig Wright........................................Sacramento County Hospital, Sacramento, Cal.
Peter William Wright.........................................Sacramento County Hospital, Sacramento, Cal.
Norman Wilbur Zook........................................University of Oregon Medical School Hospitals and Clinics, Portland, Ore.

DEGREES CONFERRED

DOCTOR OF MEDICINE

Enrollment and Degrees

Grades Conferred June 10, 1955

DOCTOR OF MEDICINE

Graduate

Frederic Wells Baum...........................................Sacramento County Hospital, Sacramento, Cal.
Paul Hubbard Blachly........................................U.S. Public Health Service Hospital, Seattle, Wash.
Henry Lee Bohneke........................................University of Oregon Medical School Hospitals and Clinics, Portland, Ore.
Richard Nelson Bolton........................................University of Oregon Medical School Hospitals and Clinics, Portland, Ore.
Donald Sydney Boots..........................................Trailer Army Hospital, Honolulu, T.H.
John Robert Calverley........................................University Hospitals, Iowa City, Iowa
Wiley Leigh Campbell.........................................University of Oregon Medical School Hospitals and Clinics, Portland, Ore.
Robert Milroy Cockburn.......................................University of Oregon Medical School Hospitals and Clinics, Portland, Ore.
Virgil Ervin Comstock.........................................San Diego County General Hospital, San Diego, Cal.
Gerald Carter Crazy........................................San Diego County General Hospital, San Diego, Cal.
Olwyn Kenneth Davies.........................................Madigan Army Hospital, Tacoma, Wash.
William Robert Day........................................Evanson Hospital, Evanston, Ill.
Henry Hadley Dixon, Jr......................................Sacred Heart General Hospital, Eugene, Ore.
James Patrick Donnelly.......................................General Hospital of Riverside County, Arlington, Cal.
Lawrence Irwin Dunlap.........................................Cook County Hospital, Chicago, Ill.
Ernest Ward Ely................................................Los Angeles County Hospital, Los Angeles, Cal.
Charles Augustine Fagan......................................University of Oregon Medical School Hospitals and Clinics, Portland, Ore.
Richard Butterworth Frohman.................................Santa Clara County Hospital, San Jose, Cal.
Thad Eugene Furlong........................................University of Oregon Medical School Hospitals and Clinics, Portland, Ore.
Samuel Fenton Gill........................................St. Vincent's Hospital, Portland, Ore.
Herbert Edison Glick.........................................U. S. Naval Hospital, Portsmouth, Va.
Leonard Marvin Goldberg....................................Mount Zion Hospital, San Francisco, Cal.
Richard Lyle Goldman........................................Los Angeles County Hospital, Los Angeles, Cal.
Robert Hageman Gray..........................................University of Oregon Medical School Hospitals and Clinics, Portland, Ore.
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June Durig Wright........................................Sacramento County Hospital, Sacramento, Cal.
Peter William Wright.........................................Sacramento County Hospital, Sacramento, Cal.
Norman Wilbur Zook........................................University of Oregon Medical School Hospitals and Clinics, Portland, Ore.

DEGREES CONFERRED

Masters of Science

Richard Harlan Barger........................................University of Oregon Medical School Hospitals and Clinics, Portland, Ore.
Paul Hubbard Blachly........................................University of Oregon Medical School Hospitals and Clinics, Portland, Ore.
Robert Milroy Cockburn.....................................University of Oregon Medical School Hospitals and Clinics, Portland, Ore.
Richard Butterworth Frohman.................................University of Oregon Medical School Hospitals and Clinics, Portland, Ore.
Bryan D. Lee................................................District of Columbia General Hospital, Washington, D.C.
Elen-Fu Lo................................................Detroit Memorial Hospital, Detroit, Mich.
Norman Dean Logan........................................University of Oregon Medical School Hospitals and Clinics, Portland, Ore.

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Enrollment, 1954-55

MEDICAL STUDENTS

First-Year Class

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S. Hugh Atchley, Jr.
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Alton E. Wiede
Cameron J. Wiley
David L. Williams
James A. Wood
Richard C. Zimmerman

Enrollment

ENROLLMENT AND DEGREES

Enrollment, 1954-55

MEDICAL STUDENTS

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Alton E. Wiede
Cameron J. Wiley
David L. Williams
James A. Wood
Richard C. Zimmerman
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