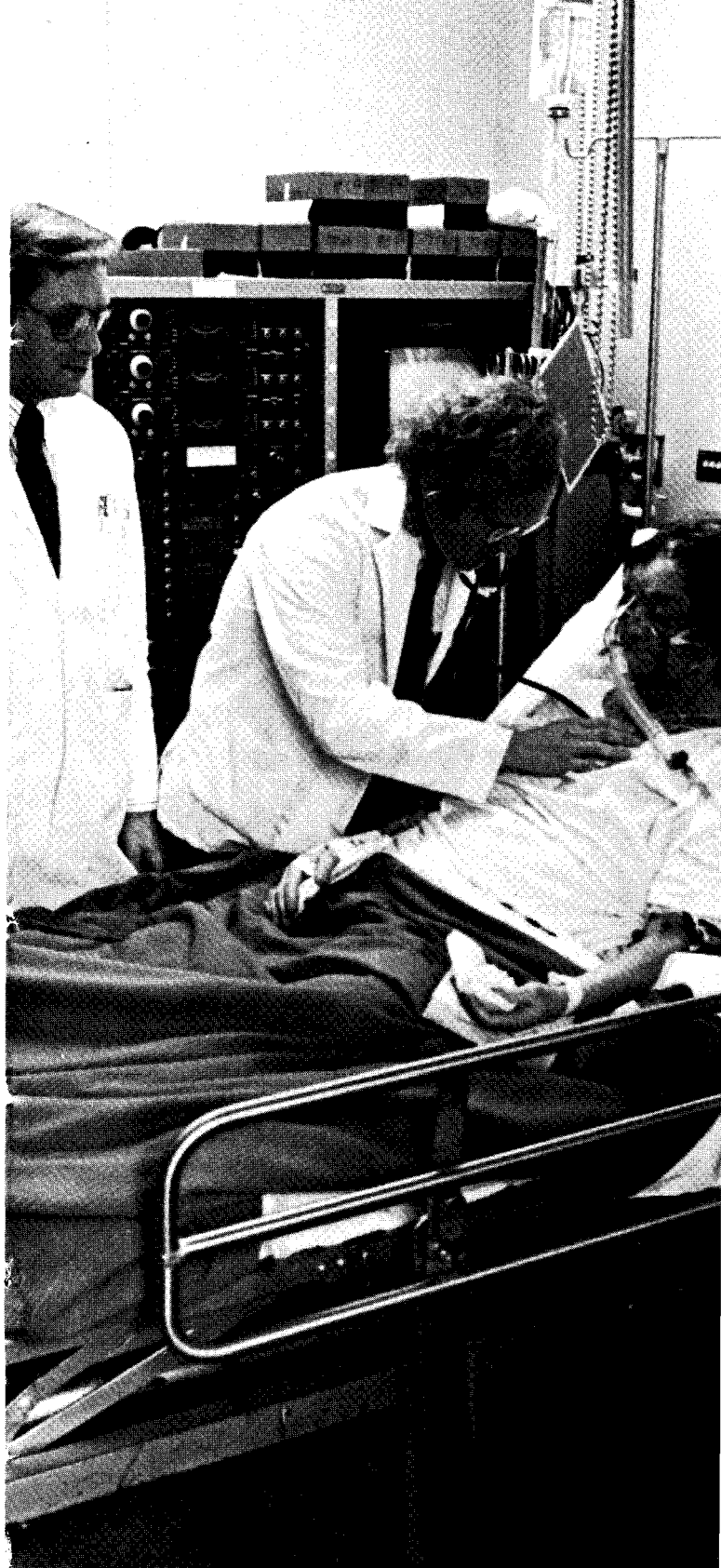




University
of Oregon
Catalog

UNIVERSITY
OF OREGON
MEDICAL
SCHOOL
PORTLAND

1974-75

Oregon State
System of
Higher Education

UNIVERSITY OF OREGON BULLETIN

No. 7

SUMMER 1974

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TABLE OF CONTENTS

OREGON STATE SYSTEM OF HIGHER EDUCATION	4
State Board of Higher Education	5
State System of Higher Education Officers	6
OFFICERS OF ADMINISTRATION	7
1974-75 CALENDAR	8
1 GENERAL INFORMATION FOR STUDENTS	9
History and Physical Facilities	10
Accreditation	13
Administration	13
Instruction	14
Research	15
Library	15
Alumni Association	16
Student Organizations, Activities and Athletics	16
Housing	17
Health Service	18
Fees and Expenses	18
Fellowships, Scholarships, Grants-in-Aid, Awards	21
Loan Funds	23
2 ADMISSIONS AND SCHOLASTIC REGULATIONS	27
Admission Requirements	28
Processing of Applications	30
Scholastic Regulations	31
3 CURRICULUM IN MEDICINE	33
Course Numbering System	35
4 DESCRIPTION OF COURSES	37
Conjoint Courses—Basic Medical Science	38
Anatomy	40
Biochemistry	41
Experimental Biology	43
Medical Genetics	43
Medical Psychology	44
Microbiology and Immunology	46
Pathology	47
Pharmacology	49
Physiology	50
Conjoint Courses—Clinical Science	52
Anesthesiology	53
Clinical Pathology	53
Dermatology	54
Family Practice	55
Medicine	55
Obstetrics and Gynecology	61
Ophthalmology	62
Otolaryngology	63
Pediatrics	63
Psychiatry	64
Public Health and Preventive Medicine	66
Radiologic Diagnosis	67
Radiation Therapy	68
Surgery	69
5 ALLIED HEALTH AND OTHER INSTRUCTIONAL PROGRAMS	73
Medical Technology	74
Cytotechnology	80
Hospital Dietetics	80
Nuclear Medicine Technology	80
Orthoptics	81
Radiation Therapy Technology	81
Radiologic Technology	81
Continuing Medical Education	82
Graduate Studies	83
Internship and Residency Programs	84
School of Nursing	84
6 MEDICAL SCHOOL FACULTY	87
7 ENROLLMENT AND DEGREES	135
CAMPUS MAP	iv



1974-75
CATALOG

University
of Oregon
MEDICAL
SCHOOL

3181 S.W. Sam
Jackson Park Road
Portland, Oregon 97201

Education with a Purpose

Medical care and education of future physicians, nurses and health workers of all kinds in the United States are undergoing rapid change and expansion. Strikingly new surgical techniques and therapeutic advances are being employed by the profession in the care of the sick; fresh ideas in the approach to the teaching of physicians, nurses and those in the allied health professions are being used; new medical facilities are being built and others are in the design stages.

This is being done to meet the challenge brought about by the enormous expansion of medical knowledge in the past few decades and the demands placed on doctors and educators alike to cope with the emerging needs in Oregon and the nation to provide adequate health care to all citizens.

The basic purpose of the University of Oregon Medical School is to teach qualified young men and women the art and science of medicine, nursing and allied health sciences and to offer graduate work in the sciences basic to medicine and nursing. Its clinical facilities, in addition to serving as teaching laboratories, provide the community with needed medical services. Investigations into the causes and treatment of disease are a natural adjunct to the teaching programs, and today the University of Oregon Medical School conducts an important program of medical research.

The institution provides instructional and training programs in a number of health science areas. The basic charge is to offer a curriculum leading to the degree of Doctor of Medicine. The institution also has responsibility for providing curricula leading to the Bachelor of Science degree in nursing, the Master's degree in Nursing Education, and the Master's degree in Nursing, Bachelor's and Master's degrees in Medical Technology, and programs leading to Master's and Doctoral degrees in the sciences basic to medicine. In addition, the institution offers course work in the allied health education programs leading to degrees or certification. Extensive training programs are conducted for interns, residents and fellows, and the Medical School sponsors ongoing programs of continuing health education for physicians, nurses, and those in the allied health sciences in Oregon and in the Northwest states.

The opportunities for improving medical knowledge and applying it to human welfare in the years to come will continue. Today—and tomorrow—the average resident in Oregon and in the United States can look forward confidently to a level of health and a life span beyond the highest expectations of his parents and grandparents.

OREGON
STATE
SYSTEM OF
HIGHER
EDUCATION

An Overview

The Oregon State System of Higher Education, organized in 1932, provides educational opportunities to young people and adults throughout the State of Oregon. Member institutions are elements of an articulated system, parts of an integrated whole.

Opportunities for general education are distributed as widely as possible throughout the state, while specialized professional and technical programs are centered at specific institutions.

The institutions of the State System of Higher Education are Oregon State University at Corvallis, the University of Oregon at Eugene, Portland State University at Portland, Oregon College of Education at Monmouth, Southern Oregon College at Ashland, Eastern Oregon State College at La Grande, and Oregon Institute of Technology at Klamath Falls. The University of Oregon Health Sciences Center, including the medical, dental and nursing schools, is in Portland. The Division of Continuing Education represents all the institutions in making college level courses and special programs available to all citizens. The Division has offices in Salem, Astoria and Coos Bay as well as on all OSSHE campuses.

An interinstitutional booklet, "It's Your Decision" lists fields of study at all State System institutions, and gives other important information for prospective students. For a free copy, write "It's Your Decision," State Board of Higher Education, P.O. Box 3175, Eugene, Oregon 97403.

State Board of Higher Education

The Oregon State System of Higher Education is governed by the Oregon State Board of Higher Education, whose members are appointed by the Governor with confirmation by the Senate. Terms are four years for regular members and two years for student members. Their names and term expiration dates follow :

JOHN D. MOSSER, Portland	1976
President and Chairman, Executive Committee	
GEORGE H. COREY, Pendleton	1975
Vice President and Member, Executive Committee	
ELIZABETH H. JOHNSON, Redmond	1977
Member, Executive Committee	
PHILIP A. JOSS, Portland	1976
GEORGE H. LAYMAN, Newberg	1976
VALERIE MCINTYRE, UO Student, Eugene	1975
MARC MADEN, PSU Student, Portland	1976
JOHN W. SNIDER, Medford	1975
LORAN L. STEWART, Eugene	1977
EDWARD G. WESTERDAHL II, Portland	1977

Terms expire June 30 of the year shown.

ROY E. LIEUALLEN	Chancellor
DONALD R. LARSON	Secretary of Board

Office of State Board of Higher Education
Post Office Box 3175
Eugene, Oregon 97403

Oregon State System of Higher Education Officers

Roy E. Lieuallen, Ed.D., L.H.D., Chancellor

Lewis W. Bluemle, Jr., M.D.
President, University of Oregon
Health Sciences Center

Robert W. MacVicar, Ph.D.
President, Oregon State University

Rodney A. Briggs, Ph.D.
President, Eastern Oregon State College

Joseph C. Blumel, Ph.D.
President, Portland State University

Leonard W. Rice, Ph.D.
President, Oregon College of Education

James K. Sours, Ph.D.
President, Southern Oregon College

Winston D. Purvine, A.B., LL.D.
President, Oregon Institute of Technology

Robert D. Clark, Ph.D.
President, University of Oregon

Freeman Holmer, M.A.....	Vice Chancellor for Administration
J. I. Hunderup, M.B.A., C.P.A.....	Vice Chancellor for Facilities Planning
E. Rex Krueger, Ph.D.....	Vice Chancellor for Educational Systems
W. T. Lemman Jr., B.S.....	Vice Chancellor for Personnel Administration
Miles C. Romney, Ph.D.....	Vice Chancellor for Academic Affairs
Donald R. Larson, B.A.....	Secretary, Board of Higher Education
Keith Jackson, M.S.....	Budget Director

University of Oregon Medical School

OFFICERS OF ADMINISTRATION

Charles N. Holman, M.D., Dean

M. Roberts Grover, Jr., M.D., Associate Dean

William A. Zimmerman, B.S., Associate Dean for Business Affairs

Joseph J. Adams, B.B.A., Assistant Dean

Victor D. Menashe, M.D., Assistant Dean

Michael D. Baird, M.D., Medical Director and Administrator, Hospitals and Clinics

Gwynn C. Brice, Administrative Director, Central Services, Hospitals and Clinics

Gary J. Rood, M.A., Administrator, University of Oregon Medical School Hospital

John Hutchins, M.H.A., Administrator, Outpatient Clinic

Max F. Kersbergen, M.S., Administrator, University Hospital North

Victor D. Menashe, M.D., Director, Crippled Children's Division

Wilson C. Dockery, B.S., Director, Student Activities Building

John Doerfler, B.A., Director, Research Services

M. Roberts Grover, Jr., M.D., Director, Continuing Medical Education

Richard Herren, Director, Instructional Aids

Margaret E. Hughes, B.S., Librarian

George I. Johnston, B.S., Director, Research Instrument Service

Bill Kribs, B.S., Personnel Officer

Mary Ann Ademino Lockwood, B.A., Director, Publications; Executive Secretary, Alumni Association

Kenneth A. Niehans, B.A., Director, Public Affairs

M. R. Parelius, M.Sc., LL.B., Business Manager

Walter A. Petersen, M.S., Director, Computer Center

Robert A. Peterson, M.B.A., Budget Officer

William H. Prentice, Director, Institutional Planning

Allan L. Rogers, B.S., Director, Animal Care

Leonard E. Shapland, B.A., Student Financial Aid Officer

Dick B. Speight, A.B., Registrar; Director, Admissions

Ralph Tuomi, B.S., Director, Physical Plant

Paul R. Weiser, B.A., Director, Development

MEDICAL AND GRADUATE STUDENTS*

Fall Term 1974

September 16, *Monday*Registration
September 17, *Tuesday*Instruction begins
September 20, *Friday*Last day for medical students to pay fees ;
last day for graduate students to register and to pay fees
September 30, *Monday*Last day to register for full credit
or to change courses
November 11, *Monday*Veterans Day holiday
November 28 to December 1,
Thursday through SundayThanksgiving holiday
December 6, *Friday*Fall term ends

Winter Term 1974

December 9, <i>Monday</i>	Instruction begins ; registration for third and fourth year medical students
December 13, <i>Friday</i>	Last day for medical students to pay fees ; last day for graduate students to register and to pay fees
December 20, <i>Friday</i>	Last day to register for full credit or to change courses
December 21 to January 5, <i>Saturday through Sunday</i>	Christmas vacation
February 3, <i>Monday</i>	Lincoln's Birthday holiday
February 17, <i>Monday</i>	Washington's Birthday holiday
March 14, <i>Friday</i>	Winter term ends

Spring Term 1975

March 24, *Monday* Instruction begins ; registration for
third and fourth year medical students
March 28, *Friday* Last day for medical students to pay fees ;
last day for graduate students to register and to pay fees
April 7, *Monday* Last day to register for full credit
or to change courses
May 26, *Monday* Memorial Day holiday
June 13, *Friday* Commencement ; spring term ends

Summer Term 1975

June 16, <i>Monday</i>	Instruction begins ; registration for third and fourth year medical students
June 20, <i>Friday</i>	Last day for medical students to pay fees ; last day for graduate students to register and to pay fees
June 30, <i>Monday</i>	Last day to register for full credit or to change courses
July 4, <i>Friday</i>	Independence Day, holiday
September 1, <i>Monday</i>	Labor Day, holiday
September 5, <i>Friday</i>	Summer term ends



1

GENERAL INFORMATION FOR STUDENTS

GENERAL INFORMATION

The University of Oregon Medical School is located in Portland (population 383,000), the largest city in the state of Oregon. Situated on the Willamette River near its junction with the Columbia River, Portland is a city of diverse business and industrial activities and, although 85 miles from the Pacific Ocean, an important seaport. The city is well known for its beautiful homes, parks, and boulevards and for its mild climate. The foothills of the Cascade Mountains rise on the outskirts of Portland; Mt. Hood, one of the major peaks in the range, towers on the southeastern horizon.

History

Medical education in the Pacific Northwest had its beginning in 1867 when courses and lectures were offered to medical students by the medical department of Willamette University in Salem. After ten years of operation it was decided that the medical department should move to Portland, where the metropolitan advantages of greater population and more hospitals would aid in providing a more complete teaching program.

During this period a group of Portland physicians petitioned the Board of Regents of the University of Oregon to grant a charter for a medical school to be located in Portland. In 1887 the charter was granted and the University of Oregon Medical School became a reality—in a two-room building in northwest Portland.

In 1895 the Willamette University medical department returned to Salem. Because of the limited facilities in that city and the lack of funds to continue operation, it merged with the University of Oregon Medical School in 1913. Under terms of the merger, the students of Willamette medical department were transferred to the University of Oregon Medical School and received diplomas indicating the consolidation. At the same time the alumni groups also merged.

In 1919 the Medical School moved to its present campus, on a 106-acre tract in Sam Jackson Park overlooking the city of Portland—away from the congested area but within one-and-one-half miles of the business district. The original tract included 20 acres donated in 1917 by the Oregon-Washington Railroad and Navigation Company and 88 acres given by the late Mrs. C. S. Jackson and the late Philip Jackson in memory of C. S. Jackson, publisher of the *Oregon Journal*. In 1958, the Oregon State Board of Higher Education accepted the gift of an additional 27 acres from the Journal Publishing Company.

Because the location provided an ideal setting for medical center buildings and affiliated units, the University of Oregon Medical School in 1919 conveyed to Multnomah County seven acres of the campus for the construction of a general charity hospital; in 1926 a 25-acre tract was deeded to the United States government as the site of the U.S. Veterans Hospital.

In 1974, the University of Oregon Medical and Dental Schools and the School of Nursing were reorganized under a single administration. The president of the new University of Oregon Health Sciences Center reports directly to the Chancellor of the State System of Higher Education.

From 1919 to the present, great advances have been made in the development of the Medical School. The depth and scope of its various programs have continued to expand until today the School has a beautiful campus, fine hospitals, clinics and an excellent faculty.

Physical Facilities

The physical facilities of the University of Oregon Medical School are valued at approximately \$90 million and are keeping pace with the School's expanding programs of education, research and public service.

The First Medical Science Unit (1919), of what is now called *Mackenzie Hall*, a three-story structure, 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 second unit (1922), was financed through 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 five stories high, similar in construction to the first unit, but has twice its capacity. An additional \$50,000 was appropriated by the General Education Board for equipment. A three-story laboratory wing was added in 1939.

The *Outpatient Clinic* (1931, 1968) affords teaching facilities for the clinical branches of the Medical School. Approximately 163,000 patient visits are recorded annually. Funds for the construction of the original building were provided through a gift of \$400,000 from the General Education Board of New York. The Outpatient Clinic had its origin in the Portland Free Dispensary founded in 1907 by the People's Institute, a private philanthropic institution. The dispensary affiliated with the Medical School in 1909 and moved to the campus in 1931. A \$2.5 million, seven-story addition to the Clinic was completed in 1968.

University Hospital North (1923, 1950, 1969) was constructed through funds supplied by Multnomah County and has 161 beds with facilities for general medical, surgical, and obstetrical patients. The University Hospital North group includes the *Katherine Hall* (1923) and the *Emma Jones Hall* (1927). University Hospital North was acquired by an act of the State Legislature in 1973; it was operated through contractual arrangement between the Multnomah County Commissioners and the Oregon State Board of Higher Education. A six-story addition to University Hospital North was opened in the spring of 1969. This \$3.4 million project added 64 patient care beds, a 20-bed psychiatric crisis unit and seven new operating rooms to the facilities. A well equipped *Emergency Department* (1964) provides care for any ill or injured person on an emergency basis.

The *Library and Auditorium* (1939, 1967) was erected through a gift of \$100,000 from Dr. John E. Weeks, a gift of \$100,000 from the Rockefeller Foundation, and a grant of \$163,500 from the Public Works Administration. The *Auditorium*, with a seating capacity of 600, affords facilities for lectures and scientific meetings.

Renovation and expansion of Library facilities was completed in 1967 at a cost of \$305,000. As a result, one large and six small study rooms were added as were typing, work and duplicating rooms and additional stack tiers.

Gaines Hall (1930), formerly the Portland Medical Hospital, was purchased in 1943 to provide needed housing facilities for students in the School of Nursing. This residence was converted to a general medical services building in 1965.

The *Administration Building* (1949) was financed through a state appropriation of \$663,000. The building houses facilities for 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 and houses the central services unit—printing, personnel and medical graphics. The building was financed by a

GENERAL INFORMATION

state appropriation of \$71,000. A \$48,000 addition to the structure was added in 1958 and a second addition to the building, costing \$200,000 was completed in June 1960.

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

The adjacent *Child Development and Rehabilitation Center* (1970) provides facilities for primary diagnostic treatment and rehabilitation services for multiply handicapped children under the age of 21 and for the demonstration to and teaching of students of all medical, dental and allied health disciplines. The \$3,720,000 Center was financed by a State appropriation of \$981,000 and \$2,736,000 construction grant from the U.S. Public Health Service.

The *University of Oregon Medical School Hospital* (1955, 1972), a 375-bed teaching and research hospital, was completed in the fall of 1955 at a cost of approximately \$6,300,000. Funds for the construction of the hospital were provided principally from state appropriations, supplemented by several gifts and grants. The hospital contains 239 beds for general, medical, and surgical patients, 26 beds for psychiatric care, and 110 beds for pediatrics (*Doernbecher Memorial Hospital for Children*).

The original Doernbecher Memorial Hospital for Children was built in 1926. It was financed through a gift of \$200,000 by Mrs. E. W. Morse and Edward Doernbecher, in memory of their father, the late F. S. Doernbecher, and by other gifts totaling \$120,000. The original hospital building was remodeled in 1957 at a cost of \$336,779 for clinical laboratory facilities, departmental offices, clinic facilities, and student health service.

The *Medical School Hospital Addition*, completed in 1972, is a nine-story wing attached to the east side of the original structure. It houses expanded food service and laundry facilities. New and modernized surgical and expanded radiology (therapy) facilities are also provided in the new area along with an additional 112 patient beds. The addition, costing \$6,751,948, was financed from state appropriations and matching funds provided by the National Institutes of Health.

The *Basic Science Classroom and Laboratory Building* (1972) is a seven-story structure financed from state appropriations and matching funds from the National Institutes of Health. The \$5,888,948 structure provides student classrooms and laboratories and quarters for the biochemistry, microbiology and pathology departments.

The *Student Activities Building* (1960), built at a cost of \$358,000, is a two-story structure providing recreational facilities for all student groups on the campus.

The *Medical Research Laboratories Building* (1962), built at a cost of \$2,611,955, was financed through a state appropriation and matching funds from the National Institutes of Health, U.S. Public Health Service. The entire nine-story building is used for medical research. Animal care and housing facilities are contained in the building.

The *Women's Residence Hall* (1964), a modern, \$855,000 structure, houses 170 women students from the Medical, Nursing, and Dental Schools.

Parking Structure No. I (1967), is a four-story, \$880,000 reinforced concrete building providing for metered public parking as well as employee and faculty parking. The structure holds approximately 416 automobiles on the four levels.

Parking Structure No. II (1973), is a five-story \$2,540,000 reinforced concrete building providing 656 stalls for campus personnel parking. The structure is designed to permit vertical expansion to a total of eight stories. Elevators in the Medical School Hospital were modified as a part of this development to provide non-stop service between the first and the tenth floors, thus making the new parking facility more useful to Medical School and Outpatient Clinic personnel.

The *Medical School Farm*, on 180 acres west of Portland, was purchased in 1961 to house and breed animals for teaching and investigative programs. The farm is ideally suited to the raising and breeding of animals in their natural environments.

Although not a part of the physical facilities of the University of Oregon Medical School proper, the *U.S. Veterans Administration Hospital*, located adjacent to the campus, serves as one of the teaching units of the Medical School. Established in 1928, this government-owned facility has 527 beds. The teaching program includes clinical experience for medical students as well as advanced residency programs. Coordinating the residency program is the responsibility of the Dean's Committee for the Portland Veterans Administration Hospital.

Construction of two other buildings on the Medical School campus was completed in 1962: headquarters for the Portland Center for Hearing and Speech, adjacent to the Crippled Children's Division Building, and a fire station, erected by the city of Portland on a site near the Veterans Hospital.

Accreditation

The University of Oregon Medical School is one of 114 schools of medicine in the United States. It is approved by the American Medical Association and by the Association of American Medical Colleges. (The most recent visit of the accrediting team occurred in 1969.) Its residency programs have been approved by the Council on Medical Education and Hospitals of the American Medical Association and by the respective American boards (see page 84). In addition special programs are approved by the American Dietetic Association, the Council of Medical Education and Hospitals of the American Medical Association, the American Registry of Radiologic Technologists, the American Society of Clinical Pathologists, the National League for Nursing, the American Orthoptic Council and the American College of Radiology.

Administration

Although the Medical School, chartered by the Board of Regents of the University of Oregon in 1887, 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 organizational plan of the Oregon State System of Higher Education. A legislative act more than 40 years ago combined all of Oregon's state-operated institutions of higher education into the Oregon State System of Higher Education, which is administered by an eleven-member lay board appointed by the Governor. The Chancellor is the chief executive officer.

GENERAL INFORMATION

Instruction

The objective of a medical education is to enable the student to acquire the requisite amount of basic factual material, a desire to continue his education as long as he remains active or interested in medicine, the ability to evaluate objectively current trends and new advances in medicine, and the attitudes and ideals that are implied in accepting medicine as a "way of life" rather than merely a way of earning a living. The student must understand that high ethical standards are required in both his personal and professional conduct. The overall education of a physician should not only make him proficient in the science and art of medicine, but should also fit him to assume effectively the civil and social responsibilities associated with his position in the community.

The student is not expected to learn all the skills of any specialty in medical school, but should acquire the fundamentals which will enable him, with further training, to enter any field of general or specialty practice, research, or teaching.

The University of Oregon Medical School provides a curriculum leading to the degree of Doctor of Medicine. This program begins with an introduction to the normal structure and function of the human body, and continues with a study of the effects of disease and the methods of diagnosis of disease. The clinical portion of the program is taken in the wards of the School's hospitals and in the Outpatient Clinic, where students learn under careful supervision and guidance how to apply their scientific knowledge to the care of patients and the prevention of disease.

The Medical School also offers two special programs of study for outstanding students. One leads to both the medical degree and the Master of Science degree and is five years in length. The other offers the M.D. and Ph.D. and is of seven years duration.

These programs, offered through the basic science departments of the Medical School—anatomy, biochemistry, microbiology, pathology, pharmacology, physiology, and medical psychology—are open to a few selected students each year. Students entering the program pursue a combined course of medical and graduate studies and spend summers and parts of the regular academic years in graduate study. These programs afford an unparalleled opportunity for review and consolidation of basic science concepts at a time when the student has had sufficient clinical training to enable him better to appreciate the importance of the basic sciences in relation to clinical medicine. It provides research experience and advanced basic science training desirable for students expecting to enter medical research and teaching as a career and a superior scientific background for clinical medicine.

Five-year and seven-year medical students assist with teaching in medical laboratory courses during the school year, and with research. In recognition of the value of such students to the departments concerned, and of the necessity of postponing the acquisition of the M.D. degree, such "student assistantships" are accompanied by remunerations.

The Medical School also offers regular programs of graduate work leading to the Master of Science and Doctor of Philosophy degrees, in the basic sciences (see Graduate Studies Catalog), and conducts training programs for residents and interns in the School's Hospitals and Clinics.

The University of Oregon School of Nursing provides important instructional programs on the Medical School campus. Courses in medical technology and radiologic technology, nuclear medicine technology, orthoptics, radiation therapy technology and a one-year internship in dietetics also are offered. Each year the Medical School conducts a postgraduate program for physicians in the states of the Pacific Northwest, British Columbia, and Alaska (see also page 82).

Research

Although the primary purpose of the University of Oregon Medical School is teaching medical students the science and art of medicine, another and equally important function is investigation into the causes and treatment of disease.

In the worldwide struggle to improve the health and happiness of mankind, millions of research dollars are expended annually in the nation's medical schools; Oregon is no exception. Investigations underway at the Medical School are supported by gifts and grants amounting to more than \$9,000,000 annually. These funds are made available by private individuals and industry, by foundations and societies, and by the State and Federal governments.

Currently, more than 300 research projects are being conducted at the School in virtually every area of the bio-medical sciences. Contributions made by University of Oregon Medical School investigators to medical knowledge have been numerous and have received worldwide recognition.

Library

The Medical School Library's responsibility is to provide its clientele with literature in the fields of medicine and allied sciences for the purpose of study, reference and research. It exists to perform professional medical library service for an institution concerned with medical education, research and patient care. The extent of coverage depends on the strength of the teaching departments and the demands made upon the Library by those who use it. Research coverage is available in most areas to carry on extensive investigative work at the doctoral level to fill the needs of physicians, medical educators, medical research workers, medical students, graduate students in the basic sciences, nursing faculty, student nurses, graduate nurses.

Instruction is given in the use of the indexes and in the location of material. Medical library service is offered to physicians in Oregon and the Pacific Northwest, through cooperation with the Pacific Northwest Regional Health Sciences Library at the University of Washington in Seattle. Medical books and periodicals may be borrowed from the Library. Reference service is provided. The Library also produces tailor-made bibliographies on the MEDLINE computer system, which originates at the National Library of Medicine, for all members of the health sciences community.

The Library, containing 137,000 volumes of books, bound and unbound periodicals, and subscribing to 2,300 current periodicals, is the only public general medical library in Oregon for research and use by the health sciences community, both basic and clinical. Contributing to the Library are the Oregon Medical Association,

GENERAL INFORMATION

the Oregon State Board of Medical Examiners, the Portland Academy of Medicine, and for the past seven years, the Federal government, through the Medical Library Assistance Act of 1965.

Alumni Association

Founded in 1913 the Alumni Association of the University of Oregon Medical School also includes graduates of the Willamette University department of medicine. The association is devoted to the interests of students and graduates and to the encouragement of scientific and professional progress among members of the medical profession generally. Its membership numbers more than 2,700. In the spring of each year, the Alumni Association sponsors a three-day scientific meeting with about 400 registrations. The alumni office is located in the administrative suite of the Medical School Administration Building where records are maintained, publications produced and general overall supervision of programs occurs.

Alumni Association officers for 1974-75 are:

Richard A. Lalli, M.D., '56, Portland.....	President
John D. O'Hollaren, M.D., '47, Portland.....	Vice President
Leland Hall, M.D., '55, Hanover, New Hampshire.....	Vice President
William Lee, M.D., '64, Bend.....	Vice President
Edmund Olson, M.D., '47, Olympia, Washington.....	Vice President
Thomas Stern, M.D., '50, Kansas City, Missouri.....	Vice President
Phyllis B. Church, M.D., '67, Portland.....	Treasurer
Daniel L. Dennis, M.D., '58, Portland.....	Secretary
Mary Ann A. Lockwood.....	Executive Secretary

Student Organizations

Student American Medical Association. Medical students have an opportunity to join the Student American Medical Association (SAMA), a national medical student organization. The purpose of SAMA is to represent medical student interests on a national scale. Membership is voluntary and on an individual basis. Locally, SAMA, in addition to planning student activities, sponsors scientific noon-hour programs and a file of summer employment for medical students. It also makes life and hospital insurance programs available to students. Annual dues include a subscription to the SAMA publication, the *New Physician*.

Alpha Omega Alpha. Alpha of Oregon chapter of Alpha Omega Alpha, medical honor society for men and women, was installed at the University of Oregon Medical School in 1923. It is the aim of members to promote its ideals, to foster the scientific and philosophical features of the medical profession, to look beyond the self to the welfare of the profession and of the public, to cultivate social mindedness, as well as an individualistic attitude toward responsibilities, to show respect for colleagues and especially for elders and teachers, to foster research, and in all ways, to ennoble the profession of medicine and advance it in public opinion. Selection of AOA is made by the active members each spring from the junior and senior classes on the basis of scholarship achievement and character.

There is one medical fraternity for men at the University of Oregon Medical School—Phi Beta Pi.

HOUSING

Women students are members of the Oregon section of the American Medical Women's Association.

Alumni of these groups take an active interest in their affairs, and the association of alumni, faculty, and student members constitutes an important benefit of membership.

Christian Medical Society. CMS, a non-denominational Christian fellowship, provides students and graduates the opportunity to relate or investigate the relationship of Jesus Christ to their personal lives and their profession through weekly Bible discussion groups, special guest speakers, social gatherings, and literature communications.

Wives Auxiliary to the Student American Medical Association (WASA-MA). During the school year wives of medical students meet for social activities and welfare projects. A program of interest to all members is planned for each of the business meetings. Small groups, "social clubs," also meet frequently. Membership in the auxiliary is about 150.

Interns and Residents Auxiliary of Portland. Wives of interns and residents in Portland hospitals meet each month for a program, social activities, and the planning of service projects. Meeting place is rotated among the Portland hospitals.

Social Activities and Athletics

General invitations are extended to all students to attend special lectures and meetings at the Medical School. Notices of these events are posted on student bulletin boards. Dances and fraternity get-togethers are planned each year by student organizations. An annual luncheon for freshmen is given by the Alumni Association, and a reception for graduates at commencement ceremonies is given by the Faculty Wives' Club. And, of course, all students have access to Portland's metropolitan cultural advantages.

Because of enrollment limitations each year and the highly specialized and concentrated nature of medical subjects, the Medical School is unable to sponsor athletics officially. However, basketball, tennis and squash teams represent the Medical School, and students may participate in an active intramural sports program.

The Student Activities Building provides recreational and athletic facilities for the use of all students on the campus.

Housing

While no facilities for housing male students are provided by the Medical School, many apartments and boarding houses are located close to the campus. An up-to-date list of rental housing is maintained in the Public Affairs Office in the Administration Building.

Women students under the age of 21 years who provide written parental permission may reside in housing of their choice. However, students are encouraged to consider the pleasant surroundings and proximity to classrooms and laboratories, hospitals and clinics, which is afforded by living in the Women's Residence Hall. This attractive modern residence for women students is provided primarily for those women enrolled in the Medical School's medical technology and radiologic

GENERAL
INFORMATION

technology programs, students enrolled in the School of Nursing and for those in the dental hygiene program at the Dental School.

Health Service

The Health Service of the UOMS is available to meet the needs of students and house staff. Outpatient evaluation and treatment can be obtained at the Health Service daily. A student insurance program provides coverage for hospital and emergency services.

Nurses and physicians are available during the school day. When the Health Service is closed a physician is on call and can be reached through the campus operator. The University Hospital North emergency room can also be used for emergencies.

Students registered for nine or more hours graduate credit or 12 or more hours credit in Medical School pay a Health Service fee and are eligible for all services of the Health Service. Students' spouses may establish eligibility for the Health Service (including insurance coverage) upon payment of a quarterly Health Service fee. Hospital insurance can also be obtained for students' children. House staff members and families are eligible for Health Service care. Detailed information is provided in the Health Service pamphlet.

*Fees and Expenses**

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

Regular Fees

Medical Students, Oregon residents, per term :

Tuition	\$277.00
Health Service	33.00
Incidental Fee	16.00
Building Fee	10.00
Total	\$336.00

Medical Students, nonresidents, per term :

Tuition	\$674.00
Health Service	33.00
Incidental Fee	16.00
Building Fee	10.00
Total	\$733.00

Medical students (11 credit hours or less) :

	Residents	Nonresidents	Building Fee
1-2 credit hours	\$ 46.00	\$112.00	\$5.00
3 credit hours	69.50	168.50	5.00
4 credit hours	92.50	224.00	5.00
5 credit hours	116.00	280.50	5.00
6 credit hours	139.00	337.00	5.00
7 credit hours	162.00	392.50	6.00

* The State Board of Higher Education reserves the right to make changes in the rates quoted without notice.

SPECIAL FEES

8 credit hours	185.00	449.00	7.00
9 credit hours	208.00	505.50	8.00
10 credit hours	231.00	562.00	9.00
11 credit hours	254.00	617.50	9.00

Graduate students (candidates for M.S., Ph.D.), per term\$294.00

Graduate students enrolled for eight terms hours of work or less :

	Tuition	Building Fee
1-2 hours	\$ 53.00	\$5.00
3 hours	79.00	5.00
4 hours	105.00	5.00
5 hours	131.00	6.00
6 hours	157.00	7.00
7 hours	183.00	8.00
8 hours	209.00	9.00

Overtime fee (for each additional hour over 16 hours)\$ 26.00

Graduate students employed as research assistants or fellows, per term

(building fee)\$ 10.00

Deposits

¹Deposits to reserve place in entering class (applied on tuition)\$ 75.00

²Breakage deposit, per year—first and second years\$ 15.00

²Breakage deposit, per year—graduate students\$ 5.00

Special Fees

Registration and laboratory fee for special students, registered for 11 term hours of work or less—see medical student part-time fees, page 18.

Auditor's fee for lectures, per term hour\$ 6.00

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

Transcript fee\$ 2.00

¹ A fee of \$1.00 is charged for each additional transcript ordered at the same time.

Evaluation fee\$ 10.00

The evaluation fee is charged for the evaluation of transcripts submitted with the application for admission; not refundable.

Late-registration fee. First day\$ 5.00

Registration is the first two days of each term; registration is not complete until the student pays his tuition and fees. The first penalty day for full-time students in medicine and medical technology is the first day after the second registration day. The first penalty day for graduate students is one week after the first day of the term.

Graduate qualifying examination fee\$1.00 to \$ 15.00

Change of program fee, per course\$ 1.00

Microscopes

First- and second-year medical students are expected to provide themselves with microscopes. Microscopes are available for students who wish to rent them for a fee of \$60.00 a year.

¹ See page 30.

² The cost of any damage done by a student to Medical School property is deducted from the deposit; in case the identity of the one responsible cannot be established, a pro-rata charge is made against the entire class of which he is a member.

GENERAL INFORMATION

Estimate of Yearly Expenses

The following table represents only estimates based on current fees and results of student surveys :

Tuition and fees, full-time resident students	\$1,008.00
Tuition and fees, full-time nonresident students	2,199.00
Breakage deposit	15.00
Microscope fee	60.00
Books and supplies	150.00
Board and room	1,300.00
Personal expenses	300.00

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 time of withdrawal. The refund schedule has been established by the Oregon State Board of Higher Education and is on file in the Registrar's Office of the Medical School. Refunds are subject to the following regulations :

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

Regulations Governing Nonresident Fees

Under the regulations of the Oregon State Board of Higher Education, a minor student whose parent or guardian is a bona fide resident of Oregon qualifies for enrollment under the resident fee. An emancipated student whose domicile is independent of his parent or guardian qualifies for enrollment under the resident fee if he presents convincing evidence that he established his domicile in Oregon six months prior to his first registration in any institution of higher learning in the State of Oregon.

All other students are required to pay the nonresident fee, with the following exceptions: (1) a student who holds a degree from an accredited college or university (however, a nonresident student with a bachelor's degree enrolled in a curriculum at the University of Oregon Medical or Dental School leading to the degree of Doctor of Medicine or Doctor of Dental Medicine is required to pay the nonresident fee), (2) a student attending a summer session.

A student who has been classified as a nonresident *may be* considered for reclassification as a resident :

- (1) In the case of a minor, if his parent or guardian has moved to Oregon and has established a bona fide residence in the state, or
- (2) In the case of an emancipated student whose domicile is independent of that of his parent or guardian, if the student presents convincing evidence that he has established his domicile in Oregon and that he has resided in the state for an entire year immediately prior to the term for which reclassification is sought, and that he has no intention of moving out of the state after completion of his school work.

A student whose official record shows a domicile outside of Oregon is *prima facie* a nonresident and the burden is upon the student to prove he is a resident of

- ▼ Oregon. If his domicile record shows attendance at a school outside of Oregon, he may be required to furnish proof of Oregon domicile.

If any applicant has questions concerning the rules governing the administration of these policies, he should consult the Registrar's Office.

Part-Time Employment

- ▼ The academic responsibilities in medical school are such that it is usually impossible for a student to undertake outside employment during the school year without causing academic work to suffer. This is particularly true in the first and second years. Under special circumstances students may find employment in various departments of the University of Oregon Medical School and hospitals during their second, third, and fourth years and during vacations.

Veterans' Information

- ▼ The student must present a Certificate of Eligibility to the Registrar effective prior to the opening day of the course in order to take advantage of veterans' benefits.
- ▼ Questions concerning benefits should be directed to the Portland Regional Office of the Veterans Administration.

Fellowships, Scholarships, Grants-in-Aid, Awards

- ▼ The Medical School has available a limited number of scholarships and fellowship funds for deserving medical students. Application for scholarships should be filed in the Financial Aids office by March 1 of each year. Scholarships are awarded by the Dean upon the recommendation of the Committee on Scholarships of the faculty of the Medical School.

- ▼ **Noble Wiley Jones Pathology Research Fellowship.** This fellowship, established 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.

- ▼ **Frank Ralston Research Student Assistantship.** This assistantship was established 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 \$13,000. The funds are devoted to research in glaucoma under the direction of the chairman of the Department of Ophthalmology.

- ▼ **Kenneth A. J. Mackenzie Memorial Scholarship.** 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 scholarship 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.

GENERAL INFORMATION

Pohl Memorial Scholarships. These scholarships were endowed in 1936 by a gift of \$5,000 from the late Dr. Esther Pohl Lovejoy, in memory of her husband Dr. Emil Pohl, and her son, Frederick Clayson Pohl. The original gift was supplemented by additional annual donations from Dr. Lovejoy, which increased the endowment to above \$37,000. 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.

James P. Griffin Scholarship. Three \$500 scholarships are awarded each year from a fund established in 1959 through a bequest from Mrs. James P. Griffin in memory of her husband. Awards are made to worthy and promising medical students on the basis of need and scholastic attainment.

George H. Strowbridge Memorial Scholarship. This scholarship consists of the income from a bequest of \$5,000 from Mary S. Muellhaupt in memory of Dr. George H. Strowbridge, a graduate of the University of Oregon Medical School in the Class of 1897. Award is made to a student of the second-, third-, or fourth-year class on the basis of scholastic attainment and need.

Alumni Scholars. The Alumni Association of the University of Oregon Medical School makes awards annually to provide scholarships in the amount of \$500 each for selected medical students who have demonstrated superior academic performance. Recipients are designated "Alumni Scholars."

Jackson Foundation Scholarship. An award of \$1,000 is made to a medical student who graduated from an Oregon secondary school, who has the ability to do high quality work in the Medical School, and who is in need of financial assistance. The scholarship was established in 1962.

Emily F. Edson Scholarship. Scholarships are awarded to both medical and nursing students, on the basis of scholastic achievement and need, from a fund established through a bequest under the will of the late Emily F. Edson, administered through The Oregon Bank. The initial bequest in 1962 was approximately \$54,000.

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.

Walter J. Rosenfeld Scholarship Fund. This is a perpetual fund established under the will of Walter J. Rosenfeld of Portland. The income from the fund is used annually for two scholarships for selected medical students.

Harold F. Wendel Memorial Fund. The income from an endowment fund established in memory of the late Harold F. Wendel by his wife, Elise F. Wendel, is awarded annually to an outstanding medical student, preferably one who has shown an interest in the field of cardiovascular research.

American Professional Practice Association's Raymond M. McKeown Scholarship Fund. An award of not more than \$1,000 per applicant is to be made to first-year medical students on basis of need for assistance. Funds are made available by the American Professional Practice Association in recognition of Raymond M. McKeown, M.D., Coos Bay physician and graduate of the UOMS.

John H. Stevenson Scholarship Fund. The income from a trust fund established under the will of the late Louise B. Stevenson in memory of her husband John H. Stevenson is used to provide scholarships for medical students.

LOAN FUNDS

▼ **Health Professions Scholarship Fund.** This Federal scholarship program was authorized by the Health Professions Educational Assistance Amendments Act passed by Congress in 1965. The Act specifies that these scholarships are available only to students who, without the amount of the scholarship award, could not pursue the required course of study during the year for which the award is made. For the academic year 1974-75 scholarships will be available at the University of Oregon Medical School for students in the first-, second-, and third-year classes.

▼ **The Roche Laboratories** provide an annual award to an outstanding member of the senior class. The award consists of a watch and an engraved scroll. **The Upjohn Company** makes an annual monetary award to an outstanding senior student; **Lange Medical Publications** awards books to two outstanding students in each class; **The Merck Manual Award**, a copy of *The Merck Manual* is made each year to two outstanding students; and **The C. V. Mosby Company** awards books to five outstanding students yearly.

▼ **The Edward S. Hayes Gold Headed Cane Award** is presented each year at Commencement to the graduating medical student recognized by his peers and teachers as having the qualities of the true physician. Edmund Hayes of Portland made a gift for this purpose in 1966 in memory of his father, Dr. Edward S. Hayes of Eau Claire, Wisconsin.

▼ **The Vernon M. White Fund for Medical Diagnosis** was established by Mrs. White in memory of her husband, Vernon M. White. This award is to be presented to the senior medical student showing the greatest talent in the field of medical diagnosis.

▼ **Charles H. Hoyt Scholarship Fund.** This fund was established in 1971 through a bequest under the will of the late Charles H. Hoyt. Funds are to be utilized for grants-in-aid to deserving medical students to assist them in obtaining a medical education. The amount of the bequest was approximately \$23,500.

▼ **Henry S. Pernot Scholarship Fund.** This is a perpetual trust established under the will of Dorothy Pernot and administered by the United States National Bank. The income is to be used for scholarships to deserving students who have completed their first two years of medical school. The trust income provides assistance to 10 to 15 students each year.

▼ **Clarence A. and Mary B. Maulding Trust Fund.** This fund was established through a bequest under the will of Clarence A. Maulding of Salem. The fund is to be used for two scholarships a year, one for a student in medicine and one for a student in nursing.

▼ *Loan Funds*

▼ The Medical School has loan funds available for students. In general, loans fall into two classifications—emergency and long-term loans. Long-term loans are generally limited to \$750 a year or to a maximum of \$1,500 to any one student. Emergency funds are available for small, short-term loans. Interest rates vary with the fund and application should be made to the Medical School Student Financial Aid Officer.

▼ **Ben Selling Loan Fund.** This fund, a bequest from the late Ben Selling, is administered by the Trust Department of the First National Bank of Oregon.

▼ **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

GENERAL INFORMATION

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.

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 \$1,000.

Dr. Francis Ortschaft Memorial Fund. This loan fund, approximately \$65,000, was established in 1960 through a bequest under the will of Viola Ortschaft of Portland. It is to be used for loans to needy and worthy medical students.

Joan Balise Memorial Loan Fund. This fund was established in 1960 in memory of the late Joan Balise by her husband, to provide emergency loans to medical students. The fund at present totals approximately \$1,150.

So Chee Sue Loan Fund. This fund was established in 1959 by Dr. Julius F. Sue in memory of his father, So Chee Sue, as a perpetual loan fund for senior medical students. The fund now amounts to approximately \$1,050.

M. B. Taylor Loan Fund. A bequest of \$10,000 from the late Millard B. Taylor is used for student loan funds in essentially the same manner as other loan funds at the Medical School. This fund was established in 1967.

Rita Simmons Graduate Loan Fund. This fund of approximately \$425 was established in 1967. It is available to medical and graduate students for loans not to exceed \$150 per year.

Ralph Vernon Moore Loan Fund. This fund, a trust from the late Ralph Vernon Moore, is administered by the Trust Department of the U.S. National Bank. Loans of \$500 are made available to worthy and needy medical students in their junior or senior years.

Health Professions Student Loan Program. Under the provisions of the Health Professions Educational Assistance Act of 1963, funds have been provided by the federal government for loans to medical students. The maximum loan available is \$2,500 per year.

Oregon Guaranteed Student Loan Fund (Oregon Residents Only). An arrangement between the University of Oregon Medical School, the student's Oregon bank, and the Oregon State Scholarship Commission provides assistance up to \$1,500 per year for undergraduate students and \$1,500 a year for graduate students up to a total of \$7,500.

American Medical Association Loan Fund. The American Medical Association has established a loan fund which provides substantial loans to medical students, interns, and residents, with provision for repayment over a period of several years.

Louis Gerlinger, Jr. and Beatrice Lee Gerlinger Scholarship Loan Fund. The income from a gift established in memory of the late Louis Gerlinger, Jr. by Beatrice Lee Gerlinger, is a perpetual fund used for loans to a deserving second-, third-, or fourth-year medical student dedicated to service to humanity. Over \$2,000 is available. No interest is charged on these loans.

Dr. Ronald P. Neilson and Dr. Duncan R. Neilson Memorial Fund. This fund was established in memory of Dr. Ronald P. Neilson and Dr. Duncan R. Neilson, who were graduates of the University of Oregon Medical School and long-time members of the clinical faculty. The fund of approximately \$4,000 is used for loans to deserving medical students.

➤ *Student Aid Funds Administered by the
University of Oregon Medical School
Advancement Fund*

➤ The University of Oregon Medical School Advancement Fund, a public, charitable foundation directly affiliated with the Medical School, has as its mission the promotion and solicitation of funds for the benefit of the Medical School. The Advancement Fund has as a priority project the search for additional financial aid for needy students. All applications for the funds listed below should be directed to the student financial aids office.

Scholarship

➤ **Oregon Pathologists Association Scholarship Fund.** This fund was established by the members of the Oregon Pathologists Association to provide financial aid to students enrolled in the cytotechnology program at the University of Oregon Medical School. One scholarship of \$200 is available to those who have applied for and been accepted into the cytotechnology program.

Loans

➤ **Sam Jackson Art Society Medical Center Student Loan Fund.** This fund, established in 1972 by those interested in art at the Medical School (known as the Sam Jackson Crafty Art and Buffalo Grass Society), provides loans to students enrolled in the Medical School, the School of Nursing, or in other programs leading to a degree or certificate offered by the University of Oregon Medical School. Loans are limited to a maximum of \$500 per student per year and to the extent that funds are available.

➤ **John C. F. Merrifield Memorial Loan Fund.** Gifts from the family and friends of the late John C. Merrifield established this loan fund in 1972. Students enrolled in the Medical School are eligible for loans not to exceed \$750 per year.

➤ **Multnomah County Medical Auxiliary Health Careers Loan Fund.** This fund was established in 1972 by the Multnomah County Medical Auxiliary to provide loan funds of not more than \$500 per student per year to upperclassmen who are enrolled in the University of Oregon Medical School or students in certified programs in health-related fields.

➤ **Emilie Jo Pastega Simpson Memorial Loan Fund.** This fund was established by Mr. and Mrs. Mario Pastega in memory of their daughter, Emilie Jo Pastega Simpson, as a perpetual loan fund for medical students and nursing students. The maximum loan available is \$500 per student. Loans are restricted to residents of Oregon.

➤ **Phillips Medical Laboratory Science Loan Fund.** This fund was established in memory of Howard Phillips of Vancouver, Washington, by his family and friends, to provide assistance to worthy students in the medical laboratory sciences. The maximum loan available is \$200 per student.

➤ **Kim Wolfer Memorial Loan Fund.** This fund was established by Mr. and Mrs. Martin Wolfer in memory of their son, Kim Wolfer, as a perpetual fund for medi-

GENERAL INFORMATION

cal students with a loan of \$700 per student. It is to be used for loans to needy and worthy medical students.

Keith Edwards Memorial Loan Fund. The family and friends of Keith Edwards, a second-year medical student who died in a climbing accident, established this fund in his memory. Loans are available to medical, nursing or allied health students, not to exceed the amount of \$500.

Thomas G. Hazel Memorial Loan Fund. Friends and family of Thomas Hazel have established this fund to honor his memory. Loans not to exceed \$500 are available to upperclass medical and allied health students.

Medical Center Faculty Wives Club Loan Fund. This loan fund was begun by the Faculty Wives Club of the Medical Center to provide loans for needy medical, nursing or allied health students. Loans are not to exceed \$500 per applicant.



2

ADMISSIONS
AND
SCHOLASTIC
REGULATIONS

ADMISSIONS
AND
SCHOLASTIC
REGULATIONS

Admission Requirements

High School Preparation. The applicant must have satisfactorily completed a four-year course in an accredited high school or its equivalent.

Because there is no single course of study which best prepares a person for medicine, the student planning to enter medical school should obtain a good general education and emphasize in college those fields in which he has the greatest personal interest, whether they be in the sciences or in the liberal arts. A student whose major undergraduate interest lies outside the biological or physical sciences should have adequate scientific preparation in the fundamentals of chemistry, physics, and biology. Certainly, a student with a primary interest in one of the sciences should be encouraged to pursue such studies as a major course in his undergraduate career. It is not desirable, however, to take courses in college which will be duplicated in medical school (human anatomy, biochemistry, human physiology, medical bacteriology, etc.). A student is better prepared if he takes other basic science courses or work in fields such as mathematics and the social and behavioral sciences.

Admission to the Medical School is on a competitive basis and concerns two types of qualifications: (1) evidence of good character and a high motivation for medicine, (2) sufficient ability and preparation to undertake satisfactorily the study of medicine, as judged by premedical scholastic records and scores on the Medical College Admission Test. Admission is granted without regard to race, color, religion, national origin or sex.

Applicants for admission are required to complete not less than three years of full-time work in an accredited college or university, i.e., 138 term hours (92 semester hours) exclusive of military science, before entering the Medical School.

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

Chemistry—a minimum of two years of college chemistry totaling 24 quarter hours or more, including 10 to 16 quarter hours of general chemistry and eight to 12 quarter hours of organic chemistry. These requirements will usually be met by courses designed for science majors. Laboratory experience should include quantitative techniques and methods. Courses in analytical chemistry, instrumental analysis, or physical chemistry are recommended for students considering special medical programs with emphasis in the basic sciences.

Biology—a minimum of nine quarter hours of general biology (or zoology) including basic genetics. Advanced courses in cellular physiology or embryology are strongly recommended. A core program may possibly complete all biology requirements in one sequence.

Physics—a minimum of 12 quarter hours to include the division of mechanics, heat and sound, light and electricity with laboratory work.

College mathematics—a minimum of 12 quarter hours. (Calculus is strongly recommended.)

General psychology—a minimum of six quarter hours.

Grades of "pass" or "satisfactory" are not acceptable for courses prescribed as requirements for admission. Questions concerning grades of pass or satisfactory should be clarified with the Director of Admissions.

Foreign language is not required for admission to the Medical School, but some knowledge of a major modern foreign language (German, French, Russian, Span-

ADMISSION REQUIREMENTS

ish) 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, French, or Russian. The premedical student should keep in mind that some medical schools require credit in foreign language for admission.

Medical College Admission Test

Applicants for admission are expected to have taken the Medical College Admission test, given by the Association of American Medical Colleges at the various institutions offering premedical curricula. Applicants should take the test during the calendar year immediately preceding the year of their admission to the Medical School. The test is given twice each year, in the early fall and mid-spring. Information as to the exact time and place of the test and registration deadlines can be obtained from college premedical advisors.

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 institution at which he received his premedical preparation, or the University of Oregon at Eugene, before entering the third year in the Medical School.*

The University of Oregon, Oregon State University, Portland State University, 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.

Application Procedure

Since the Medical School is now participating in the American Medical College Application Service (AMCAS), applications for admission are obtained from that organization in Washington, D.C. An application request card may be secured by writing to the Director of Admissions.

Applications are accepted between July 1 and November 15. A place in the first-year class is not granted to an applicant more than one year before the beginning of instruction for that class.

The University of Oregon Medical School gives primary consideration to well qualified applicants who are residents of Oregon. Preference is also given to well qualified residents of neighboring western states which do not have medical schools and which are members of the Western Interstate Commission on Higher Education (WICHE). Superior applicants from other regions are also given consideration.

Applicants who are residents of Alaska, Idaho, Montana, or Wyoming, should request certification for medical training under WICHE from their state certifying officer or agency at the time application is made for admission to the University of Oregon Medical School. Preferential consideration for admission is given WICHE-certified applicants over non-certified WICHE applicants; the WICHE-supported applicant pays the Oregon resident tuition fee.

* Students expecting to receive the bachelor's degree from the University of Oregon should include 6 hours of English composition, 9 hours of lower division English literature in a one-year sequence course, 12 hours of lower division mathematics, 5 terms of physical education and 1 term of health education in their premedical programs. See the University of Oregon Catalog for specific courses that meet the composition, literature and mathematics requirements.

Processing of Applications

Evaluation of Credentials

The Committee on Admissions examines each applicant's credentials and bases its preliminary decision on the objective evaluation of the following factors: pre-professional training, evidence of scholarship, Medical College Admission Test scores, personal evaluation of the student by premedical instructors, and evidence of good moral character.

Personal Interview

After examination of credentials, residents of Oregon generally are requested to appear for a personal interview with the Committee on Admissions. A personal interview is not requested of non-residents whose credentials indicate that they cannot meet the competition for admission, or who would be subjected to excessive travel expense. The committee schedules interviews in Portland, Eugene, and Corvallis.

Physical Examination

Just as the Medical School's Committee on Admissions may refuse admission to a student on the basis of academic record, it also may reject an applicant on the grounds of lack of physical or mental stability. Applicants who appear well qualified on the basis of the initial screening by the Committee are required to submit reports of complete examinations by their own physicians, which are reviewed by the health service physician.

Notification of Acceptance or Rejection

All candidates are given written notification of acceptance or rejection as soon as possible after the Committee on Admissions has reached its final decision; notification is generally given by March 15. Sometimes, however, decisions on applications are delayed until grades in the more advanced science and mathematics courses, such as organic chemistry, quantitative analysis, physics, genetics, embryology, cell physiology and mathematics, are made available to the Admissions Committee. Acknowledgment of notification of acceptance should be made promptly in writing by the successful applicant.

Acceptance of Appointment

When an applicant is offered admission to the Medical School and wishes to accept this admission, a deposit of \$75 must be paid not later than two weeks following notice of acceptance in order to reserve a place in the entering class. If the student should release his place in the class, the deposit is refundable until March 1.

Special Students

Graduates from other medical schools may be admitted as special students but may not be candidates for the degree of Doctor of Medicine at the University of Oregon Medical School.

A person who has failed a course as a medical student in another medical school may not repeat the course as a special student at the University of Oregon Medical

SCHOLASTIC REGULATIONS

➤ School unless the course is given at some time other than during the regular academic year.

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

Special students are charged fees according to the credit hours of work taken.

Graduate Studies

Acceptance by a student of admission to graduate status is regarded as a declaration of intent to complete a program of graduate study prior to application for enrollment in other Medical School educational programs.

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 him in the upper fifty per cent of his class. An honorable dismissal and premedical preparation meeting the regular requirements for admission are also required. Only transfer to the third-year class is feasible and available placements are very limited.

Scholastic Regulations

Grading System and Grades

➤ The UOMS uses both the A, B, C, D, E, F and the Pass/Fail grading systems, depending on the nature of the course involved. Generally, courses in which an examination is given or in which the student has a clinical assignment involving patients will be graded by the A-F system and courses in which the student's competence is not readily subject to examination or review will be graded Pass/Fail.

At the end of each school year, students will be officially notified about each course they have taken and whether they have passed or failed. The only exception to this will be when a student's letter grade is D, E, F or incomplete, and in this case the student will be notified at the end of the term in which he has taken the course. Students may learn exact grades earned in courses graded by the A-F system and the quarter of the class in which they rank scholastically upon personal request at the Registrar's Office.

➤ If at any time during the school year the student feels his work is not satisfactory, he should consult his instructor. Should special problems arise that threaten to interfere with study, the student should consult a faculty member for advice before his scholarship is seriously affected.

Promotion

➤ In order to be promoted unconditionally from the first to the second year and from the second to the third year in Medical School, the student must receive a passing grade in all subjects and a weighted grade-point average as established by the Executive Faculty. At the completion of the second year all students must achieve a passing score in the Part I examination of the National Board of Medical Examiners in order to be promoted to the third year. Failure to pass the examination

ADMISSIONS AND SCHOLASTIC REGULATIONS

necessitates re-evaluation of the student by the departments in which he received a test score of below 320. For promotion from the third to the fourth year, students must satisfactorily complete all subjects. The status of students failing to meet these requirements is determined by the promotion boards.

The Preclinical Promotion Board, which considers only students in the first and second years of medicine, consists of all faculty members giving instruction during the first and second years. The Clinical Promotion Board is concerned with the performance of third- and fourth-year students; this board is composed of representatives from all the clinical departments. The boards meet after the end of each term to consider incomplete work, conditions, and failures.

Specific problems are referred to the Review Board for subsequent action. The Review Board, composed of chairmen of departments, considers primarily requests from students arising from actions taken by the Preclinical and Clinical Promotion Boards.

Elective Courses

Elective courses are offered in both clinical and basic science departments. Registration for elective courses must be arranged at the Registrar's Office. A list of electives that students may take during the elective periods of the curriculum is published annually and can be obtained from the Registrar.

Class Attendance

Satisfactory achievement of the educational goals and objectives of each course normally will require regular class attendance. Such a requirement applies in particular to those courses in which the direct care of patients is expected, where the learning of a skill is necessary, or some other demonstration of responsibility is expected. In these courses, attendance is required unless excused. The faculty in charge of each course will define and communicate to their students the attendance requirements in relation to the objectives of the course.

Dismissal

The faculty has the right to sever, at any time, the connection with the Medical School of any student whom it considers to be unfit for a career in medicine. The usual procedure for dropping a student comes from a recommendation by one of the Promotion Boards which are composed of the members of the faculty. Ordinarily, a student will have received warnings that his work is less than satisfactory before a Promotion Board recommends his dismissal. However, for adequate cause, a student may be dropped without previous warning.



3

CURRICULUM IN MEDICINE

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 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 *Admissions and Scholastic Regulations*. In the first, second, third, and fourth years at the Medical School there are 5,044 class hours of required work. Descriptions of courses are to be found under the several departmental headings.

Prescribed Work

		Class Hours*	Term Hours
First Year			
Con 410	Cell Organization and Function	99	5
Con 411	Medical Genetics	32	2
Con 412	Developmental Biology	40	2
Con 413	Introduction to Patient Evaluation	66	3
Con 414	Immunology	35	2
An 410	Gross Anatomy	250	12
An 411	Histology	84	4
An 412	Neuroanatomy	84	4
BCh 410	Basic Biochemistry	66	3
MPs 410	Medical Psychology	49	2
Pth 410	General Pathology	68	3
Phy 410	Human Physiology	149	7
Psy 410	The Human Context of Medical Practice	36	2
PH 410	Public Health and Epidemiology	72	3
		1,130	54
Second Year			
Con 610	Pathophysiology of Skin, Bone and Connective Tissue	69	3
Con 611	Patient Evaluation	126	5
Con 612	Cardiovascular Pathophysiology	117	5
Con 613	Respiratory Pathophysiology	79	3
Con 614	Renal Pathophysiology	117	5
Con 615	Blood and Reticuloendothelial Pathophysiology	117	5
Con 616	Endocrine Pathophysiology	89	3
Con 617	Gastrointestinal Pathophysiology	123	5
Con 618	Reproductive Pathophysiology	117	5
Con 619	Pathophysiology of the Central Nervous System, Muscle and Special Sensory Organs	158	8
Mb 610	Microbiology	90	4
Phc 610	Pharmacology	72	3
		1,274	54
Third Year			
Con 620	Child Health	432	18
Con 621	Neurosciences	216	9
Con 630	Law and Medicine (May be taken 3rd or 4th year)	24	2
Med 620	Third-Year Medicine	432	18
RadD 620	Radiographic Diagnosis	24	1½
Special Programmed Instruction		216	9
		1,344	57½
Fourth Year			
ObG 630	Fourth-Year Obstetrics and Gynecology	216	9
Psy 630	Psychiatry Clinical Clerkship	216	9
Sur 630	Fourth-Year Surgery	432	18
Special Programmed Instruction		432	18
		1,296	54

A list of elective courses will be made available to every student.

* Includes holidays

Requirements for the Degree of Doctor of Medicine

A candidate for the degree of Doctor of Medicine must complete satisfactorily the curriculum and all other requirements prescribed by the faculty of the Medical School. Members of the senior class are required to pass the Part II examination of the National Board of Medical Examiners which is given in April. Students planning on taking the examination in another place than the Medical School take the responsibility for seeing that the results are at the Registrar's office two weeks before graduation. Any student failing to pass this examination will be referred to the department concerned for re-evaluation of his status.

All candidates for degrees are required to be present at the Commencement exercises to receive their diplomas in person unless permission to be absent is obtained from the Dean's office. The Doctor of Medicine degree is conferred by the University of Oregon upon the recommendation of the faculty of the Medical School. Before graduation, the student must satisfy all financial obligations to the institution.

Licensure

Licensure to practice medicine in any state is conditioned upon the requirements of a state board of medical examiners. Licensure to practice medicine in the State of Oregon is dependent upon the candidate's having an M.D. degree, completing an approved straight or rotating internship or a first year of approved residency training, and passing the licensing examinations. For candidates who are already licensed to practice in another state, the licensing examination may be waived by reciprocity with that state, if such a reciprocal agreement is in force, or the candidate may base his application upon certification of the National Board of Medical Examiners.

Further information about licensure requirements may be obtained from the Oregon State Board of Medical Examiners, 1002 Loyalty Building, Portland 97204. The Board suggests that such inquiry be made no later than the second quarter of the internship or residency year.

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 advisor and department chairman concerned.
- 500-599 Courses primarily for graduate credit towards an advanced academic degree (M.S. or Ph.D.) but which may be elected by medical students for credit towards the M.D. degree with permission of the department chairman concerned.
- 600-699 Courses primarily for the medical curriculum but which can also be applied toward an advanced academic degree (M.S. or Ph.D.) with the permission of the graduate advisor and the Graduate Council. Required courses for second, third, and fourth years of the medical curriculum are designated by numbers 610-619, 620-629, and 630-649, respectively. Numbers 601, 605, 607, 609, and 650-699 are used for elective courses.

CURRICULUM IN MEDICINE

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 and 601	Research.
503	Thesis.
505 and 605	Reading and Conference.
507 and 607	Seminar.
609	Clinical Experience.

4

DESCRIPTION OF COURSES



DESCRIPTION OF COURSES

Basic Sciences

CONJOINT COURSES— BASIC MEDICAL SCIENCE

Required Courses

First Year

Con 410. **Cell Organization and Function.** 5 hours, fall and winter.

An integrated course emphasizing aspects of cellular structure, organization, metabolism, and function essential to an understanding of human biology in health and disease. General and special features of cell structure; biochemical and structural properties of membranes; biological transport processes; bioenergetics; mitochondrial metabolism; functions of intracellular membranous organelles; cytoplasmic metabolism of carbohydrates, lipids, amino acids, purines, pyrimidines; nuclear functions—DNA replication and transcription protein synthesis, meiosis and mitosis; the life cycle of the cell. Lectures, laboratory and conferences. 99 hours.

Con 411. **Medical Genetics.** 2 hours winter.

Chromosomal basis of inheritance, chromosome structure and function, autosomal, X-linked and polygenic inheritance, population genetics, control of gene expression, mutation, genetic polymorphism, inborn errors of metabolism. Lectures, laboratory and conferences. 32 hours.

Con 412. **Developmental Biology.** 2 hours winter.

An introduction to current concepts of the processes involved in growth and development. The functional and chemical aspects of these processes are presented within the framework of morphologic development with emphasis on the mammalian organism whenever feasible. Lectures, quizzes and laboratory correlated and continuous with laboratory sessions in Cell Organization and Function and Medical Genetics. 40 hours.

Con 414. **Immunology.** 2 hours spring.

The major goal of this course is to introduce the medical student to the required semantics and terminology of immunological theory and to teach him an immunological approach to current and future medical problems. The student will learn how to investigate immunological events as they apply to human disease syndromes. Lectures, laboratory sessions and teaching seminars. 35 hours.

Second Year

Con 610. **Pathophysiology of Skin, Bone and Connective Tissue.** 3 hours fall.

A multidisciplinary course designed to correlate basic science with disease processes of the human supporting system and to introduce the student to the clinical disciplines of dermatology and orthopedics. Lectures, case presentations, laboratory exercises, demonstrations and conferences are used to integrate and correlate clinical manifestation of disease with the basic science information that is essential to their understanding. Faculty from basic science and clinical departments cooperate in the presentation of this course. 69 hours.

Con 612. **Cardiovascular Pathophysiology.** 5 hours fall.

A multidisciplinary course designed to correlate basic science with the disease processes of the cardiovascular system. The goal of the course is to impart to the student how, through the application of basic science fundamentals, he may obtain an understanding of the clinical manifestations and management of cardiovascular disease processes. To accomplish this goal, lectures, case presentations, laboratory exercises, demonstrations and conferences are used to integrate and correlate information from different medical science disciplines. Faculty from basic science and clinical departments cooperate in presenting this course. 117 hours.

Con 613. **Respiratory Pathophysiology.** 3 hours fall and winter.

A multidisciplinary course designed to correlate basic science with the disease processes of the respiratory system. Lectures, case presentations, laboratory exercises, demonstrations and conferences are used to integrate and correlate clinical manifestations of disease with the basic science information essential to their understanding. Faculty from basic science and clinical departments cooperate in presenting this course. 79 hours.

CONJOINT COURSES

Con 614. Renal Pathophysiology. 5 hours winter.

A multidisciplinary course designed to extend the concepts begun in the first year relating to the normal physiology of renal hemodynamics, of ionic and volume regulation of the extracellular fluid, and of the lower urinary tract. Many of the consequences to the human organism relating to the derangement of extracellular fluid regulation associated with acquired and genetic disease are emphasized by means of interrelated lectures and conferences in the areas of pathology, biochemistry, physiology, pharmacology, immunology, clinical pathology, diagnostic radiology, and public health. Modern methods of treatment of renal disease (including hypertension) which illustrate clinical application of basic science principles are freely introduced in selected case presentations and in panel discussions by basic science and clinical faculty. Laboratory sessions in pathology, microbiology, physiology and clinical pathology. 117 hours.

Con 615. Blood and Reticuloendothelial Pathophysiology. 5 hours winter.

A multidisciplinary course designed to correlate basic science with disease involving the blood and reticuloendothelial system. Lectures, case presentations, laboratory exercises, demonstrations and conferences are used to integrate and correlate clinical manifestations of disease with the basic information essential to their understanding. Faculty from basic science and clinical departments cooperate in presenting this course. 117 hours.

Con 616. Endocrine Pathophysiology. 3 hours winter.

A multidisciplinary course that includes presentation of the basic physiology, biochemistry, pathology of certain endocrine glands including the endocrine pancreas, the hypothalamic-pituitary complex, the adrenal cortex, the thyroid, the parathyroids and calcium metabolism. Introductory material on human diseases caused by malfunction of these glands and methods of diagnosis and treatment are covered. The material is presented primarily as lectures and small group discussions, with laboratory exercises. 89 hours.

Con 617. Gastrointestinal Pathophysiology. 5 hours spring.

A multidisciplinary course designed to correlate basic science with disease processes of the gastrointestinal system, liver and pancreas. Lectures, case presentations, laboratory exercises, demonstrations and conferences are used to integrate and correlate clinical manifestations of disease with the basic information essential to their understanding. Faculty from basic science and clinical departments cooperate in presenting this course. 123 hours.

Con 618. Reproductive Pathophysiology. 5 hours spring.

A multidisciplinary course designed to correlate basic science with disease processes of the reproductive system. Lectures, case presentations, laboratory exercises, demonstrations and conferences are used to integrate and correlate clinical manifestations of disease with the basic information essential to their understanding. Faculty from basic science and clinical departments cooperate in presenting this course. 117 hours.

Con 619. Pathophysiology of the Central Nervous System, Muscle and Special Sensory Organs. 8 hours spring.

A multidisciplinary course designed to correlate basic neuroscience with disease processes in man and to introduce the student to clinical neurology, neurosurgery, ophthalmology and otology. A series of selected case presentations serves to introduce and focus attention on specific disease entities. Associated lectures, laboratory exercises, demonstrations and conferences are designed to integrate and to correlate clinical manifestations of neurological, muscle disease, eye disease and otologic disease with anatomical, physiological, biochemical, pathological, pharmacological and microbiological information that is pertinent to these systems. Faculty members from basic science and clinical departments cooperate in presenting this course. 158 hours.

Elective Courses

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

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

Con 507. Seminar. Any term, hours to be arranged.

Con 511, 512, 513. Cell Biology. 5 hours each term.

An integrated course presenting fundamental concepts, processes, and methods in the following areas of cell biology: macromolecules, cell structure, transport, biochemical functions, genetics, immunology, development and differentiation, organ physiology, inflammation, neoplasia, and conditioning and learning. 4 lectures and 1 laboratory period. Conjoint course presented by the faculty of the basic medical science departments.

DESCRIPTION OF COURSES

DEPARTMENT OF ANATOMY

Vaughn Critchlow, Chairman of Department

Professor Emeritus: **Pearson**

Professors: **Bacon, Critchlow, Jump** (Dental School), **Spies** (Primate Center), **Stotler**

Associate Professors: **Connell, H. Davis, Quinton-Cox** (Dental School), **Tunturi, Weitlauf**

Assistant Professors: **Norman** (Primate Center), **Richards, Tseng** (Primate Center)

Affiliate: **Hardiman**

Research Associate: **Rice**

Research Assistants: **Cook, Kroning, Sauter, Stites**

Required Courses

First Year

An 410. **Gross Anatomy.** 12 hours, fall, winter and spring.

Organization of the human body at the gross anatomical level. Regional dissection of the human body, with four students per cadaver, constitutes a major approach to this subject. In addition, lectures, group discussions, laboratory demonstrations and patient presentations by clinical faculty are used extensively. Concepts relating structure and function are emphasized throughout. 250 hours.

An 411. **Histology.** 4 hours, fall and winter.

Structural organization of human tissues and organs as a conceptual framework for understanding functional properties and pathological states associated with various organ systems. Consists of light microscopic study of slide materials, lectures and television demonstrations. 84 hours.

An 412. **Neuroanatomy.** 4 hours, winter and spring.

Functional organization of the human central nervous system. Lectures, slide materials, laboratory discussions, television demonstrations and clinical presentations are used to develop basic concepts regarding correlations between neural structure and function and to introduce students to problem-solving in clinical situations. 84 hours.

Elective Courses

An 416. **Microscopic Technique.** 2 hours spring.

The theory and practice of preparing animal tissue for histological study. Limited to 4 students, registration only after consultation with instructor. Prerequisite: An 411. Laboratory, 6 hours a week: 72 hours.

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

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

An 507. **Seminar.** Any term, hours to be arranged.

Journal Club.
History of Medicine.
Neuroendocrinology.

An 512. **Analytical Embryology.** 4 hours spring.

Lectures and assigned readings on cytology and physiology of gametes, gamete transport, fertilization, cleavage and cell division, and on cell tissue and organ interaction in embryonic systems. The laboratory work is designed to introduce the advanced student to both classical and new techniques for the investigation of embryonic processes. Prerequisite: An 410, BCH 410, or equivalent, Con 411, Con 412. Lectures, 2 hours a week; laboratory, 6 hours a week: 96 hours.

An 513. Analytical Histology. 4 hours spring.

Lectures on the theory of fixation and staining, survey of physical and chemical techniques employed in modern histology. Practical experience with some of these techniques provided by laboratory exercises. Lectures and quizzes, 2 hours a week; laboratory, 6 hours a week: 96 hours. Prerequisite: An 411, An 416, BCh 410, or the equivalent Con 410. Limited to 10 students.

An 514. Special Dissections. Term and hours to be arranged.

Human anatomical material dissected and certain parts of the body studied more thoroughly. Conferences and quizzes arranged with the instructor. Registration limited by available material. Prerequisite: An 410.

An 515. Advanced Neuroanatomy and Computer Techniques. Any term, hours to be arranged.

Set theory, probability theory and information theory are presented as the basis for the study of the behavior of neural networks in the auditory system and other parts of the brain. Six weeks.

An 516. Computers in Medicine. Any term, hours to be arranged.

After a brief description of the computer the course will analyze those requirements that a scientist or physician needs in order to make the computer part of his integral tools. An introduction to multivariate statistics, set and probability theory will be presented, Three to six hours a week, six weeks.

An 517. Embryology. 4 hours winter.

Lectures on the reproductive cycle, fertilization, normal and abnormal human development, correlated with detailed laboratory study of pig, mouse, and human embryos and fetuses. Prerequisite: Con 412. Lectures, 2 hours a week; laboratory, 6 hours a week: 96 hours. Limited to 10 students.

An 518. Mammalian and Human Cytogenetics. 3 hours fall, winter or spring.

Methods of chromosomal study; chromosomal structure; chromosomal function in meiosis and mitosis; genetic activity and inactivity; use of chromosomes in the study of genetics; gene mapping, sex determination; spontaneous and induced chromosome aberrations; chromosomal evolution. Student recitations will be required relating to special topics such as the X-chromosome, somatic cell genetics, chromosomal variation, and cytogenetic studies in leukemia.

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

An 605. Reading and Conference. Any term, hours to be arranged.

Special Regional Dissection. 2 hours. Detailed review of selected regions of the body. 4-8 hours per week for six weeks. Summer, fall and spring terms.

An 607. Seminar. Any term, hours to be arranged.

Noise and Its Effect on the Human Being. Acoustical characteristics of noise; mechanism of the ear and auditory system; destructive effect of noise on ear and tissue; effects of noise on human communication and speech; effects of noise on behavior. Legal aspects of noise, hearing conservation programs, Walsh-Healy Act. Three hours a week for six weeks. Fall term.

DEPARTMENT OF BIOCHEMISTRY

Richard T. Jones, Chairman of Department

Professors Emeriti: Todd, West

Professors: Fellman, Horton, R. Jones, Kittinger (Primate Center), **Litt, H.**

S. Mason, Portman (Primate Center), **Rigas, G. Seaman, Van Bruggen**

Associate Professors: Beatty (Primate Center), **J. Bentley, Black, Hoskins**

(Primate Center), **Kabat**

Assistant Professors: Bocek (Primate Center), **Howard** (Primate Center)

Instructors: Fujita, Jolley

Affiliates: Claycomb (Biochemistry, Dental School), **Daves** (Oregon Graduate Center), **Gabler** (Dentistry, Dental School)

Research Associates: J. Boyett, Brimhall, Dehlinger, Duerst, A. Hanson, Head, T. Keevil, MacMahill, Makino, C. Rigas, Rokosova, Strothkamp

Research Assistants: Gross, K. Johnson, Joyce, Lytle, Roth, Sherton, Siegner, Smejtek, van Bueren, Wagner

DESCRIPTION OF COURSES

Required Courses

First Year

BCh 410. **Basic Biochemistry.** 3 hours fall.

Physical chemistry pertaining to biochemistry, particularly acid-base, buffers and equilibrium reactions. Chemistry of macromolecules and their subunits including proteins, carbohydrates, nucleic acids and lipids. Introduction to enzymology. This course is the beginning of a series of courses in which biochemical topics will be taught on an integrated basis with other basic medical science subjects. Lectures, laboratory, and seminars, 66 hours.

Second Year

See pathophysiology sequence, pages 38, 39.

Elective Courses

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

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

BCh 507. **Seminar.** Any term, hours to be arranged.

BCh 508, 509. **General Biochemistry.** 8 hours fall and winter terms.

General biochemistry for graduate students majoring or minoring in biochemistry. This course will consist of selected lectures from BCh 410 (Basic Biochemistry), Con 410 (Cell Organization and Function), Con 411 (Genetics) and Con 412 (Developmental Biology) supplemented with discussion and laboratory. Fall and winter: Lectures, 5 hours a week; discussion, 2 hours a week; laboratory, 6 hours a week.

BCh 510. **Introduction to Biochemical Research.** 1 hour, term to be arranged.

Lectures, reading and discussion on methods of research, limitations, and ethics for students beginning graduate research.

BCh 511. **Nucleic Acids and Protein Synthesis.** 2 hours, term to be arranged.

The biochemistry and biosynthesis of nucleic acids and proteins, and selected topics in the biochemistry of heredity, growth, aging and differentiation.

BCh 512. **Bioenergetics.** 2 hours, term to be arranged.

Principles of biological energy transduction. Respiratory biochemistry, biological oxidation-reduction and oxidative phosphorylation.

BCh 513. **Advanced Intermediary Metabolism.** 2 hours, term to be arranged.

Advanced aspects of the metabolism of lipids, sterols, carbohydrates, amino acids, and proteins; interrelationships of metabolism and mechanisms of control.

BCh 514. **Enzymology.** Hours and term to be arranged.

The physical and chemical properties of enzymes and the reactions they catalyze. The credit is either two or three hours depending upon the course content and instructor.

BCh 515. **Biophysical Chemistry.** 4 hours, spring.

An overview of biophysical chemistry. Intermolecular interactions in liquid and liquid-crystalline phases. The thermodynamics of biological systems. Physics and chemistry of interfacial phenomena. Determination of size and shape of macromolecules. Physical behavior of cells as biocolloids including biorheology and cellular contact phenomena.

BCh 516. **Biochemical and Biophysical Technique.** Hours and terms to be arranged.

Selected laboratory exercises concerned with the preparation and characterization of substances of biochemical importance. Biophysical study of macromolecules and surface phenomena. Instrumentation theory and practice, including optical methods of analysis, electrokinetic techniques, and isotopic methods.

BCh 517. **Topics in Advanced Biophysical Chemistry.** Hours and term to be arranged.

Current concepts and theoretical foundations in selected topics of biophysical chemistry. Prerequisite: BCh 515.

BCh 518. **Biochemical Properties of Proteins.** 2 hours, term to be arranged.

Structure and function of proteins including levels of protein structural organization, methods for characterization and current concepts of protein evolution.

MEDICAL GENETICS

- BCh 519. **Biochemical Mechanisms of Disease.** 2 hours, term to be arranged.
Biochemical mechanisms underlying selected human diseases.
- BCh 520. **Structure and Function of Biological Membranes.** 2 hours, term to be arranged.
The composition of biological membranes and the functional aspects of their composition; models of membrane structure, membrane function and mechanism of membrane transport.
- BCh 521. **Biophysical Properties of Proteins.** 2 hours, term to be arranged.
Biophysical properties of proteins in solution and in the crystalline state including methods for characterization.
- BCh 601. **Research.** Any term, hours to be arranged.
- BCh 605. **Reading and Conference.** Any term, hours to be arranged.
- BCh 607. **Seminar.** Any term, hours to be arranged.

DIVISION OF EXPERIMENTAL BIOLOGY

William Montagna, Head of Division

Professors: **Brenner** (Primate Center), **Fahrenbach** (Primate Center), **Montagna** (Primate Center)

Associate Professor: **M. Bell** (Primate Center)

Research Associates: **Nakagawa**, **Rokosova**

Research Assistants: **A. Hanson**, **van Bueren**

Elective Courses

- EB 501. **Research.** Any term, hours to be arranged.
- EB 505. **Reading and Conference.** Any term, hours to be arranged.
- EB 507. **Seminar.** Any term, hours to be arranged.
- EB 510. **Biological Ultrastructure.** 2 hours, term to be arranged.
A detailed presentation of the fine structure of cells, their organelles and inclusions with emphasis on the correlation of ultrastructural specialization and function. Lectures, 2 hours a week; 24 hours.
- EB 511. **Comparative Neuroendocrinology.** 2 hours, term to be arranged.
A course in comparative endocrinology with emphasis on neuroendocrine control systems in both vertebrates and invertebrates. The various lines of physiological, biochemical and morphological evidence including electron microscopy which supports the neurohemal theory will be presented in detail. Metamorphosis in insects, ovulation in mammals, lactation in mammals and adrenocortical secretion in vertebrates will be covered.
- EB 512. **Connective Tissue.** 2 hours, term to be arranged.
This course will cover the structure, function and metabolism of connective tissues in general. Their major constituents: collagen, elastin, and mucopolysaccharides, will be covered in detail. The structure of these constituents will be discussed at various levels of organization with emphasis placed upon their molecular architecture, cellular origin, biosynthetic mechanisms. Specialized areas, such as bone formation and mineralization, and wound healing will be analyzed also.
- EB 601. **Research.** Any term, hours to be arranged.
- EB 605. **Reading and Conference.** Any term, hours to be arranged.
- EB 607. **Seminar.** Any term, hours to be arranged.

DIVISION OF MEDICAL GENETICS

Robert D. Koler, Head of Division

Professors: **Hecht**, **Koler**, **Litt**, **Rigas**

Associate Professors: **Bigley**, **Black**, **N. Buist**, **Lovrien**, **Prescott** (Dental School)

DESCRIPTION OF COURSES

Assistant Professors: **J. Macfarlane, Magenis, Templeton**

Instructors: **Kennaway, Vidgoff, Wyandt**

Research Associates: **Ditewig, Rowe, Stankova**

Research Assistants: **Atkin, Bacon, Beeson, Chamberlin, Dehlinger, DuVal, Gruen, Hazard, Head, Hepburn, McCaw, Milbeck, Overton, Stocklen**

Required Courses

First Year

See Con 411. **Medical Genetics** (page 38).

Elective Courses

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

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

MGen 507. **Seminar.** Any term, hours to be arranged.

MGen 510. **Population Genetics I.** 3 hours fall.

Mathematical treatment of population genetics theory and applications; Hardy Weinberg equilibrium and gene frequency estimation, segregation analysis, association, recombination and linkage, applications to the study of human disease. Lectures, 3 hours a week.

MGen 511. **Population Genetics Laboratory I.** Any term, hours to be arranged.

Fundamentals of the collection of genetic data including pedigree taking and processing, computer assisted analysis of genetic data.

MGen 512. **Population Genetics II.** 3 hours fall.

Advanced concepts of population dynamics; inbreeding, selection, mutation, population structure, evolution and population simulation. Lectures, 3 hours a week.

MGen 513. **Population Genetics Laboratory II.** Any term, hours to be arranged.

Advanced experimental design, computer applications to genetics, independent research.

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

MGen 605. **Reading and Conference.** Any term, hours to be arranged.

MGen 607. **Seminar.** Any term, hours to be arranged.

MGen 609. **Clinical Experience.** Any term, hours to be arranged.

DEPARTMENT OF MEDICAL PSYCHOLOGY

Joseph D. Matarazzo, Chairman of Department

Professors: **Boyd, J. Brown, Fitzgerald, Garner, Lindemann, Lu** (Dental School), **J. Matarazzo, R. Matarazzo, Phoenix** (Primate Center), **Vernon, Wiens**

Visiting Professor: **R. F. Thompson**

Associate Professors: **Hanf, R. Jackson, G. Miller, O'Brien, D. Phillips, Rawlinson, E. Scott, Terdal**

Assistant Professors: **Eaton** (Primate Center), **Harper, Meikle**

Lecturers: **Abrams, Dixon, Lazere, Manaugh, Markowitz, Strange**

Residents: **Cotter, Eyberg, Kovalskski, Slotnick, Steger**

Required Courses

First Year

MPs 410. Medical Psychology. 2 hours fall.

Basic psychological and behavioral principles derived from laboratory research and their applications in clinical practice and research in medicine. Examined within the latter context are pre- and postnatal influences, early development, intellectual processes, learning and conditioning, anxiety and other motivational states, and influences associated with man as a social organism. Lectures, demonstrations, and laboratory. 49 hours.

Third Year

Con 620. Child Health (See page 52).

Elective Courses

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

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

MPs 507. Seminar. Any term, hours to be arranged.

Neurophysiology of Learning	Learning and Motivation
Sensory Processes	Developmental Psychology
Psychopharmacology	Verbal Behavior
Contemporary Issues in Motivation	Social Psychology
Hormones and Behavior	Social Process Applications
Neurological Basis of Reproduction	Individual Behavior Modification
Comparative Psychology	Abnormal Psychology
Sensory Development	Alcohol and Behavior
Human Learning	Quantitative Methods
Conditioning	Laboratory Methods
Cognitive Processes	Computer Methods
Punishment	

MPs 511. Statistics. 3 hours, term to be arranged.

Statistical methods for scientific research: including scales of measurement; tests of significance; correlation and regression; analysis of variance and design of experiments; distribution-free techniques; Type I error, Type II error and Power.

MPs 512. Research Design. 3 hours, term to be arranged.

Basic concepts of the linear model (including linear regression) and its application to the design and analysis of experiments. Topics covered include essentials of matrix algebra; bivariate and multivariate linear regression analysis; introduction to experimental design using repeated and non-repeated measures; the non-parametric model, introduction to univariate scaling theory. Prerequisite: MPs 511 or equivalent.

MPs 513. Advanced Statistics. 3 hours, term to be arranged.

Analysis of the foundations of measurement, quantitative methods, correlation and regression theory, factor analysis, basis of psychophysical methods, set theory, and special topics.

MPs 514. Sensation and Perception. 3 hours, term to be arranged.

Review of the basic psychophysical and neurological mechanisms of audition, somatic senses, vision, olfaction, and gustation, followed by a survey of the major experimental and theoretical works in perception.

MPs 515. Learning and Conditioning. 3 hours fall.

A critical examination of evidence relating to basic learning phenomena in both classical and instrumental conditioning.

MPs 516. Motivation. 3 hours spring.

A detailed treatment of problems relating to the definition and measurement of motivation, primary and secondary antecedents of drive, associative and nonassociative theories and motivational aspects of conflict, frustration, and incentives.

DESCRIPTION OF COURSES

MPs 517. **History of Psychology.** 3 hours fall.

Examined are developments in the history of psychology necessary for an understanding of some of the main currents in contemporary psychology. Prominent ideas from structuralism, functionalism, associationism, early behaviorism, gestalt psychology, psychoanalysis, and neo-behaviorism are analyzed and their relevance to modern ideas critically evaluated.

MPs 518. **Physiological Psychology.** 3 hours spring.

Survey of the basic literature in the field, with emphasis on the role of the central nervous system in behavior; fundamentals of neuroanatomy and neurophysiology basic to physiological psychology.

MPs 519. **Theories of Personality.** 3 hours, term to be arranged.

Critical review of the major theories of personality, including current behavioral approaches, and empirical evidence supporting these theories.

MPs 520. **Individual Differences.** 3 hours winter.

Introduction to individual differences in humans, their distribution in the general population, and methods of measuring such differences in intelligence, personality, aptitudes, interests, and other traits; characteristics of god tests, and their uses and limitations.

MPs 521. **Theories of Learning.** 3 hours winter.

Analysis and comparison of the major theories of learning covering their logical and systematic properties as well as their empirical foundations.

MPs 522. **Alcohol and Behavior.** 3 hours, term to be arranged.

A seminar devoted to a critical review of basic animal and applied human research in alcohol and behavior. Included are studies of the etiology, incidence, and treatment of alcoholism, plus biochemical and learning models, as well as other alcohol-behavior relations in man and animal. Contact with basic scientists and clinical treatment facilities is provided to enhance the student's overall exposure and learning experience.

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

MPs 605. **Reading and Conference.** Any term, hours to be arranged.

MPs 607. **Seminar.** Any term, hours to be arranged.

MPs 609. **Clinical Experience.** Any term, hours to be arranged.

MPs 650. **Psychological Assessment in Medical Practice.** Any term, hours to be arranged.

Introduction to intellectual and personality assessment in medical practice. Theoretical foundations and uses and limitations of specific assessment procedures. Psychological tests and objective behavioral observation procedures that can be used by the physician in his office practice with implications for management.

DEPARTMENT OF MICROBIOLOGY AND IMMUNOLOGY

Jules V. Hallum, Chairman of Department

Professor Emeritus: **Veazie**

Professors: **Frisch***, **Hallum**, **Malley** (Primate Center), **E. Meyer****, **Rittenberg**

Associate Professors: **Burger** (Veterans Hospital), **B. Iglewski**, **W. Iglewski**, **Leslie**

Assistant Professor: **Morse**

Senior Instructor: **Gerhardt**

Lecturer: **Crook**

Affiliates: **Creamer** (Microbiology, Dental School), **Parker** (Oral Biology and Microbiology, Dental School), **Pirofsky** (Immunology), **Vandenbark** (Veterans Hospital)

* Leave of absence.

** Leave of absence October 29, 1973 to October 28, 1974.

Required Courses

Second Year

Mb 610. Introduction to Medical Microbiology. 4 hours.

An introduction to medical microbiology involving a discussion of the basic properties of microorganisms and their relation to the infective processes. Lecture, laboratory and case presentation : 90 hours.

See pathophysiology sequence, pages 38, 39.

Elective Courses

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

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

Mb 507. Seminar. 1 hour any term.

Mb 508. Advanced Virology. 4 hours, term to be arranged.

Biochemical and biophysical nature of viruses, mechanisms of viral infection, enumeration and statistical interpretation of the infectious unit, virus, antibody reactions, biochemical consequences of infection, viral genetics, and interference phenomena. Lectures and laboratories. Open to a limited number of students with consent of instructor.

Mb 509. Bacterial Physiology. 4 hours, term to be arranged.

Cytochemistry and ultrastructure, patterns of growth, metabolic pathways of degradation and synthesis, energy mechanisms, genetic controls and their regulation, physiological mechanisms for environmental adaptation. Lectures and laboratories. Open to a limited number of students with consent of instructor.

Mb 510. Microbial Genetics. 4 hours, term to be arranged.

The molecular basis of heredity. The genetic control of biochemical activities in bacteria. Systems of recombination in bacteria, bacteriophage, actinomycetes, and fungi. The theory and practice of genetic mapping and fine structure analysis. Population genetics as applied to micro-organisms. Lectures and laboratories.

Mb 511. Pathogenesis. Term and hours to be arranged.

Study of selected areas of medical microbiology with emphasis on pathogenesis of infectious agents. Control of production and mode of action of virulent products; exotoxins, endotoxins, viral and Rickettsial toxins, hemolysins, leucocidins, nucleases, coagulases, kinases, etc. Inhibition of host cell macromolecular synthesis following virus infection and its relationship to cytopathic effect and viral virulence; inhibition of DNA, RNA and protein synthesis; induction to new tRNAs, activation of lysosomal enzymes; nonimmune host factors involved in infection; the macrophage and its products, lysosomes and non-globulin serum components.

Mb 512. Immunochemistry. 4 hours, term to be arranged.

Chemical and physical nature of antigen, antibody, antigen-antibody complexes; physical and kinetic measurements of antigen-antibody interaction; current methods of antibody isolation, immunochemical techniques; quantitative precipitation, gel-diffusion, immunoelectrophoresis, ultracentrifugation, equilibrium dialysis, and column chromatography. Lectures and laboratories. Open to a limited number of students with consent of instructor. Prerequisites: elementary physical chemistry and biochemistry.

Mb 513. Advanced Microbiology and Immunology. Term and hours to be arranged.

Study of selected areas of microbiology with emphasis on contemporary concepts of the basic nature of microbial and host systems and their interactions. Open to a limited number of students with consent of instructor. Prerequisite : Mb 610.

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

Mb 605. Reading and Conference. Any term, hours to be arranged.

Mb 607. Seminar. Any term, hours to be arranged.

DEPARTMENT OF PATHOLOGY

Richard D. Moore, Chairman of Department

Professor Emeritus: **Jacobson**

Professors: **Buchan** (Neuropathology), **Dawson** (Surgical Pathology and Cytology), **R. D. Moore**, **Niles**, **Siegel**, **Sneed**

DESCRIPTION OF COURSES

Associate Professors: **Brooks, Chester** (Veterans Hospital), **Linder, McNulty** (Primate Center), **Palotay** (Primate Center)

Assistant Professors: **Brady, Chan, Kessler**

Instructors: **Chawla, Houghton, Lewman**

Clinical Instructor: **Hesselberg**

Lecturer: **Cordell**

Affiliates: **Cochran, Gourley, Meek, Nohlgren, Oyama, G. Starr, Weimar** (Ophthalmology)

Residents: **Cooper, Huehnergath, Mecklem**

DIVISION OF NEUROPATHOLOGY

George C. Buchan, Head of Division

Professor: **Buchan**

Affiliate: **Huntington** (Good Samaritan Hospital)

Resident: **Gill**

DIVISION OF SURGICAL PATHOLOGY AND CYTOLOGY

Peter J. Dawson, Head of Division

Professors: **Dawson, Sneed**

Associate Professor: **Chester** (Veterans Hospital)

Assistant Professor: **Chan**

Required Courses

First Year

Pth 410. **General Pathology.** 3 hours spring.

This course is designed to introduce the student to the principles and concepts of disease. Broadly characterized, it is the study of the effects of injury on cells and tissue and their subsequent reaction. The topics considered will include: cellular injury, abnormal division and differentiation, disturbances in cellular metabolism, disturbances in circulation, inflammation and neoplasia. This will prepare the student for the detailed study of the functional and structural abnormalities to be covered in the pathophysiology courses during the second year. The subject material will be presented in conferences, lectures and demonstrations with reinforcement and illustration by selected laboratory experiments. 68 hours.

Second Year

See pathophysiology sequence, pages 38, 39.

Elective Courses

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

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

Pth 507. **Seminar.** Any term, hours to be arranged.

Pth 516. **Advanced Systemic Pathology.** Any term, hours to be arranged.
Study of the detached pathology of one system.

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

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

PHARMACOLOGY

Pth 518. Special Pathology of Heart and Circulation. Hours to be arranged.

Systematic and inclusive study of the pathologic states affecting the circulatory system, illustrated by sections and gross materials.

Pth 519. Introduction to Electron Microscopy. 2 hours fall.

An introductory course including illustrated lectures and demonstrations dealing with the electron microscope, its technical operations, and broad applications in biological studies and research. Offered alternate years.

Pth 520. Principles and Techniques of Tissue Culture. 2 hours fall.

Lectures, demonstrations, and conferences dealing with techniques of cell and tissue culture; designed to provide a background of general information on cultured cells and instruction in application of the method to problems in current areas of research in cell biology. Offered alternate years.

Pth 521. Biology of Cancer. 1 hour any term.

Lectures and discussion of the natural history of cancer, geographic and ethnologic aspects, tumor genetics, and etiologic concepts and mechanisms of carcinogenesis.

Pth 522. Viral Oncology. 2 hours, term to be arranged.

Systematic study of viruses in relation to cancer in animals and man. Biological aspects of tumor induction by viruses, intracellular and extracellular factors in neoplasia; biochemical and biophysical properties of tumor viruses.

Pth 523. Biochemical Pathology. 2 hours, term to be arranged.

This course deals with the biochemical abnormalities characteristic of selected examples of both genetic and nongenetic diseases. Particular emphasis is placed on the role of nucleic acids in the processes involved. A short series of introductory lectures reviews nucleic acid biochemistry and metabolism, and is followed by a group of lectures dealing with our current knowledge of biochemical abnormalities related to chromosomal diseases, blood proteins, urinary products, storage diseases, viral infections, neoplasia, irradiation, and aging.

Pth 524. Special Research Problem in Experimental and Comparative Pathology. Terms and hours to be arranged.

The purpose of this course is to acquaint new graduate students with the research work of various departmental members. The student is assigned a limited research problem, working in the research laboratories of the staff members concerned.

Pth 525. Modern Trends in Pathologic Biology. 2 hours spring.

Recent progress in the study of inflammation and degeneration, neoplasia, differentiation, and nucleic acid chemistry in disease states.

Pth 526. Radiation Biology. 2 hours, term to be arranged.

Lectures and demonstrations dealing with the nature of ionizing radiation, interactions with organic matter, methods of measurement, and biological effects. The major aim of the course is to emphasize mechanisms of radiation effects on molecules, cells, and organisms.

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

Pth 605. Reading and Conference. Any term, hours to be arranged.

Pth 607. Seminar. Any term, hours to be arranged.

Pth 651. Anatomic Pathology. Any term, hours to be arranged.

Participation by the student in the autopsy and surgical pathology services and in related departmental conferences. Stress is placed on the correlation of the clinical and pathologic findings.

DEPARTMENT OF PHARMACOLOGY

William K. Riker, Chairman of Department

Professor Emeritus: **David**

Professors: **Gabourel, McCawley, Riker**

Associate Professors: **Downes, Fox, Gerber, Tanz, Wendel**

Assistant Professors: **Brummett, G. Olsen**

DESCRIPTION OF COURSES

Required Courses

Second Year

Phc 610. **Pharmacology.** 3 hours.

The course is designed to provide a firm understanding of the scientific principles of drug action and usage. It is an essential prelude to the applied, systems-oriented therapeutics to be taught in the subsequent pathophysiology courses. Major topics to be covered includes dose and time-effect relationships, selective toxicity, absorption, distribution, metabolism and elimination of drugs, pharmacogenetics, drug-drug interactions, and the clinical evaluation of drug efficacy and safety. In all the preceding topics major emphasis is placed on prototype, clinically useful drugs. Lectures, small group conferences, selected laboratory experiments and demonstrations: 72 hours.

See pathophysiology sequence, pages 38, 39.

Elective Courses

Phc 501. **Research.** Term and hours to be arranged.

The department especially encourages student participation in ongoing research activities, which include: drug metabolism and pharmacokinetics, clinical pharmacology, biochemical and cardiovascular pharmacology, neuropharmacology, and the effects of drugs on cell ultrastructure. Depending on qualifications the student may pursue independent or supervised research.

Phc 505. **Reading and Conference.** Term and hours to be arranged.

Advanced Cardiovascular Pharmacology.	General Principles of Pharmacology.
Neuropharmacology.	Drug Metabolism.
Clinical Pharmacology.	Molecular Pharmacology.
Pharmacogenetics.	

Phc 507. **Seminar.** 2 hours.

Phc 514. **Factors Modifying Drug Action.** 2 hours, term to be arranged.

Lectures on drug metabolism, distribution and excretion, drug-protein interaction, pharmacogenetics, and drug allergy and idiosyncrasy. Prerequisite: Consent of instructor.

Phc 515. **Pharmacological Control of Biological Information Transfer.** 2 hours, term to be arranged.

Lectures on the basic mechanisms for nucleic acid and protein biosynthesis, mechanisms of repression and derepression, and the effect of hormones and other drugs on these systems. Applications to chemotherapy will also be discussed. Prerequisite: Consent of instructor.

Phc 516. **Receptor Theory and Conformational Analysis.** 2 hours, term to be arranged.

Lectures on modern receptor theory, kinetics of drug receptor interactions, drug antagonism, allosteric receptor concept, and conformational analysis of receptor sites. Prerequisite: Consent of instructor.

Phc 601. **Research.** Term and hours to be arranged.

Phc 605. **Reading and Conference.** Term and hours to be arranged.

Phc 607. **Seminar.** Term and hours to be arranged.

DEPARTMENT OF PHYSIOLOGY

John M. Brookhart, Chairman of Department

Professors: **Brookhart, Faber, Rampone, B. Ross, R. Swanson**

Associate Professors: **Resko** (Primate Center), **Trainer**

Assistant Professors: **Keyes, W. Peterson, P. Reynolds** (Dental School), **Talbott**

Instructor: **Thornburg**

Research Associate: **Van Fleet**

Clinical Research Associates: **Bristow, A. Buist, M. Edwards, Greer, Metcalfe**

Research Assistants: **Green, Nagy**

Postdoctoral Fellow: **Stiffler**

Required Courses

First Year

Phy 410. Human Physiology. 7 hours, winter and spring.

Lectures, laboratory exercises and conferences devoted to mammalian physiology, with special application to the human. Consideration is given to the basic elements of effector control; basic information essential to the understanding of the functions of the respiratory, cardiovascular, and renal systems; discussion of gastrointestinal, liver and endocrine functions. Lectures and laboratory. 149 hours.

Second Year

See pathophysiology sequence, pages 38, 39.

Elective Courses

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

Prerequisites: To be determined by instructor.

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

Prerequisites: To be determined by instructor.

Phy 507. Seminar. Any term, hours to be arranged.

Prerequisites: To be determined by instructor.

Phy 515, 516. Physiological Instrumentation and Techniques. 4 hours, terms to be arranged.

Lectures and laboratory work covering basic principles of measurements, transducers, physiological signals, signal processing and display, and applications to specific problems of physiological measurement. Basic lectures and laboratory work in electronics are included. Lectures and conferences, 2 hours a week; laboratory, 6 hours a week; 96 hours.

Phy 517. Advanced Cardiovascular Physiology. 4 hours, term to be arranged.

Emphasis of this course is on the physics of the cardiovascular system, techniques of measurement and current views of cardiac performance, aortic and local blood flows, hydrostatic pressures, and the micro-circulation, regulatory mechanisms. Conference, 2 hours a week; laboratory, 6 hours a week; 96 hours. Prerequisites: To be determined by instructor.

Phy 518. Biological Transport Processes. 4 hours, term to be arranged.

Topics include: Fick's law of diffusion; membrane effects (diffusion of ions through an electrical field, molecular sieving, carrier-mediated diffusion, active transport, osmosis through "leaky" membranes); irreversible thermodynamic treatment of diffusion processes. Pertinent examples from the literature on artificial membranes, frog skin, muscle capillaries, and the renal tubule. Reading from monographs and original literature. Conference, 3 hours a week; laboratory, 6-hour periods on alternate weeks: 72 hours. Prerequisites: To be determined by instructor.

Phy 519. Advanced Neurophysiology. 4 hours, term to be arranged.

A study of principles of investigation, observation and inference and an extensive review in depth of the integrative functions of the central nervous system. Conference, 2 hours a week; laboratory, 6 hours a week; 96 hours. Prerequisite: To be determined by instructor.

Phy 520. Digestion and Absorption. 3 hours, term to be arranged.

Intestinal digestion and absorption with emphasis on nutrient materials. Modern methods and techniques of investigation, dynamics of intestinal transport, the specialized functions of the gastrointestinal system in the assimilation of dietary nutrients. Conference, two hours a week; laboratory, three hours a week, 60 hours. Prerequisites: Phy 410, BCh 410.

Phy 521. Respiratory Gas Transport. 3 hours, term to be arranged.

Dynamics of transport of respiratory gases, with emphasis on graphical analysis of pulmonary and circulatory phases of transport. Ventilation-perfusion relationships, unsteady state, gas stores of the body, and exchange and equilibrium of inert gases. Conference, 2 hours a week; laboratory, 3 hours a week, 60 hours. Prerequisites: To be determined by instructor.

Phy 522. Fetal and Neonatal Physiology. 3 hours, term to be arranged.

Special physiology of the *in utero* state and of the transition to an independent existence. Placental gas exchange; acid-base homeostasis; fetal and neonatal circulation, anoxia tolerance, thermal homeostasis, and renal functions. Conference, 2 hours a week; laboratory, 3 hours a week; 60 hours. Prerequisites: To be determined by instructor.

Phy 601. Research. Term and hours to be arranged.

Phy 605. Reading and Conference. Term and hours to be arranged.

Phy 607. Seminar. Term and hours to be arranged.

DESCRIPTION OF COURSES

Clinical Sciences

CONJOINT COURSES—CLINICAL SCIENCE

Required Courses

First Year

Con 413. **Introduction to Patient Evaluation.** 3 hours spring.

A beginning course designed to introduce the student, in the setting of lectures, conferences, practice sessions and patient studies, to work with patients in the interview situation, and become familiar with the methods used in interviewing. The form, purpose and use of the medical history are reviewed along with the considerations of the methods by which medical problems are solved. The pathophysiology and physical diagnosis of the eyes, ears, nose and throat and lungs are presented by means of lectures, practice sessions, and conferences. 66 hours.

Second Year

Con 611. **Patient Evaluation.** 5 hours.

Lectures, demonstrations, practice sessions and ward rounds dealing with the principles of history taking, physical examination, and the pathophysiological basis for physical signs. 126 hours.

Third Year

Con 620. **Child Health.** 18 hours.

An interdisciplinary course providing opportunity for the student to learn the fundamental concepts of child health as they relate to acute and chronic disease processes and the inter-relationships of the child, his family, school and community.

This course will be offered as a conjoint educational exercise by pediatrics, child psychiatry, medical psychology, public health and preventive medicine and the Crippled Children's Division. Students will be provided with opportunities to examine a wide spectrum of patients and to interview their families and to participate as integral members of the medical care teams at Doernbecher Hospital and the Crippled Children's Division. They will pursue a continuity of care study which will necessitate involvement with the family, the community and social and medical agencies. Students will have experience in the newborn nurseries and the neonatal intensive care unit and will also have experience with normal children in a nursery school setting and with emotionally disturbed children.

Guidance will be provided by the staff during ward and field experiences and individual and group discussions will be provided as a regular part of the work. 12 weeks. Lectures 60 hours; ward work, clinic, conferences, seminars, hospital rounds and demonstrations. 432 hours.

Con 621. **Neurosciences.** 9 hours.

An interdisciplinary course to prepare the student to examine and detect disorders of the eye, ear and central nervous system. The student will be exposed to case material and instruction adequate to familiarize him with the pathogenesis of major diseases in these areas and to enable him to recognize early malfunctions in the systems. The course will be taught by the neurology, neurosurgery, ophthalmology, and otolaryngology sections in an integrated manner. 216 hours.

Con 630. **Law and Medicine.** 2 hours winter.

Course in medical law including basis of law, malpractice, partnerships, contracts and forensic pathology. Given by departments of pathology, pharmacology, and public health. 24 hours.

Elective Courses

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

Con 605. **Reading and Conference.** Any term, hours to be arranged.

Con 607. **Seminar.** Any term, hours to be arranged.

Con 609. **Clinical Experience.** Any term, hours to be arranged.

Con 650. **Primary Physician.** Any term, hours to be arranged.

The student will be exposed to a model of family practice utilizing existing clinic and hospital facilities.

DEPARTMENT OF ANESTHESIOLOGY

Norman A. Bergman, Chairman of Department

Professors: **Bergman, Haugen**

Associate Professors: **Klein, Loehning, B. Thompson, Waltemath**

Associate Clinical Professors: **Bernards, Gowing**

Assistant Professors: **Darsie** (Veterans Hospital), **Erbguth, Steigerwald**

Senior Instructor: **H. Jones** (Veterans Hospital)

Instructors: **Kehayes, Sikes, W. Sunderland**

Clinical Instructors: **Branford, Copperman, D. Dobson, Hagmeier, Harber, Lamoreaux, Palmer, Peters, Schaff, C. Wagner**

Residents: **Cedergreen, DeGuzman, Hawley, Kandt, Knott, Mahoney, Meier, Parks, Peterson, Rankin, Worobey**

Elective Courses

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

Anes 605. **Reading and Conference.** Any term, hours to be arranged.

Anes 607. **Seminar.** Any term, hours to be arranged.

Anes 609. **Clinical Experience.** Any term, hours to be arranged.

DEPARTMENT OF CLINICAL PATHOLOGY

Tyra T. Hutchens, Chairman of Department

Professors: **M. Hamilton, T. Hutchens, V. Marquardt**

Clinical Professors: **Bramhall, Oyama, R. Thompson**

Associate Professors: **Aitchison, Berroth, Haines, Rashad, J. Swanson**

Associate Clinical Professors: **Baer, Brady**

Assistant Professors: **Baptist** (Medical Technology), **K. Kim, Koontz, Shaich** (Nuclear Medicine), **Sheth, Stevens** (Nuclear Medicine)

Assistant Clinical Professor: **Peetoom**

Senior Instructors: **Chadwick** (Medical Technology), **Ewell** (Medical Technology), **Parker** (Medical Technology), **J. Wilkinson** (Medical Technology)

Instructors: **Bumgardner** (Veterans Hospital), **Kilbourn** (Veterans Hospital), **Koivastik** (Veterans Hospital), **Morris**

Clinical Instructor: **R. Petersen** (Nuclear Medicine)

Residents: **Barclay** (Ph.D., Clinical Chemistry), **Campbell, Cooper, Harrowe, McCormick** (Ph.D., Clinical Microbiology), **Poorsina, Santosh, Sewell** (Ph.D., Clinical Microbiology), **Swilley** (Nuclear Medicine), **Yeung** (Nuclear Medicine), **Youssef**

Elective Courses

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

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

CP 507. **Seminar.** Any term, hours to be arranged.

DESCRIPTION OF COURSES

- CP 510. **Clinical Chemistry Methodology.** 2 hours, term to be arranged.
Discussion and lectures dealing with the principles of various analytical methods used in clinical chemistry.
- CP 511. **Clinical Chemistry Instrumentation.** 2 hours, term to be arranged.
Lectures, discussion and demonstrations of operating principles of instruments used in clinical chemistry.
- CP 514. **Introduction to Teaching Methods and Techniques for Medical and Allied Health Science Education.** 2 hours, term to be arranged.
Lectures, discussion and application of current concepts of curriculum construction, teaching techniques and methods of evaluation.
- CP 516. **Diagnostic Clinical Microbiology.** 1 hour, any term.
Laboratory rounds with demonstrations of microscopic preparations, cultures, and biochemical reactions of organisms. Presentations of clinical and microbiological data of interesting cases. Discussion of methods—the scientific principles involved, and relevance of results in the diagnosis of infectious diseases.
- CP 520. **Advanced Nuclear Medicine Techniques.** Any term, hours to be arranged.
Conferences and demonstrations concerned with theory, methodology, and clinical interpretation of special nuclear medicine procedures.
- CP 521. **Nuclear Medicine Laboratory.** Any term, hours to be arranged.
Laboratory experience with instruments used in nuclear medicine.
- CP 522. **Advanced Nuclear Medicine Laboratory.** Any term, hours to be arranged.
Laboratory experience with special nuclear medicine techniques and instrumentation.
- CP 601. **Research.** Any term, hours to be arranged.
- CP 605. **Reading and Conference.** Any term, hours to be arranged.
- CP 607. **Seminar.** Any term, hours to be arranged.
- CP 609. **Clinical Experience.** Any term, hours to be arranged.

DEPARTMENT OF DERMATOLOGY

Walter C. Lobitz, Jr., Chairman of Department

Professors: **Hu** (Primate Center), **Lobitz, Montagna** (Primate Center)

Clinical Professors: **Crowe, Kingery, Massar, L. Ray, Ryan, T. Saunders, Shaw, Watkins**

Associate Professors: **Bell** (Primate Center), **Wuepper**

Associate Clinical Professors: **Dahl, Larsen, B. Miller, Rollins, Russell**

Assistant Professors: **Hanifin, Pasztor** (Primate Center), **Storrs**

Assistant Clinical Professors: **L. Allen, Contorer, Currie, C. Martin, Moyer, Romaine, Turner, R. Wright**

Clinical Instructors: **H. Anderson, W. Anderson, Brokken, DeLateur, Druker, D. Frisch, Hahn, Hemphill, Knapp, Lachman, Larner, Perry, R. Sullivan**

Research Assistants: **Beeman, Chan, L. Morgan**

Fellow: **Rogge**

Residents: **Amon, Baker, Bishop, Brancaccio, Buxman, Cole, Dimond, Graff, Kerr, Ray, Swenson, White**

Elective Courses

- Derm 601. **Research.** Any term, hours to be arranged.
- Derm 605. **Reading and Conference.** Any term, hours to be arranged.
- Derm 607. **Seminar.** Any term, hours to be arranged.
- Derm 609. **Clinical Experience.** Any term, hours to be arranged.

DEPARTMENT OF FAMILY PRACTICE

Laurel Case, Chairman of Department

Professor: **Case**

Clinical Professor: **M. Lipkin**

Associate Professors: **Fisher, Gilberts, Taubman**

Assistant Professor: **D. Smith**

Assistant Clinical Professors: **R. Hall, W. Reynolds, Voy**

Clinical Instructors: **Abbott, Ambrosion, Atkinson, Bartlett, R. Bernard, Bianchini, Boe, S. Boyd, Boye, Buonocore, J. Byers, M. Byers, C. Chapman, Cockburn, Crist, Daniels, Daugherty, DeWitt, Eidenberg, Findlay, Ford, Gorman, Gustafson, Hakala, Harpole, J. Henderson, Huston, A. Hutchinson, Irvine, John, R. Johnson, Kochevar, Lawton, Lindsay, McIntyre, G. C. Miller, R. E. Moore, Nealy, O'Shea, Pennington, Pynch, Remy, D. Reynolds, G. Roberts, W. Roberts, R. Robinson, D. Rose, W. Ross, Sammons, Schroff, Skirving, V. Summers, W. Thompson, Urman, Van Veen, Vore, Wade, Walters, C. Weare, J. Weare, Weeks, White, Wiebe, Willeford, R. Williams, Wittwer, P. Wolfe, Zupan**

Elective Course

FP 609. **Clinical Experience.** Any term, hours to be arranged.

DEPARTMENT OF MEDICINE

J. David Bristow, Chairman of Department

Professors Emeriti: **Brill, H. Haney, Holcomb, N. Jones, Lewis, Margason, M. Moore, Sheldon, Speros, D. Taylor, Underwood, C. Wilson**

Professors: **M. Baird, J. Benson, Bristow, Carter, Edwards, Greer, Griswold, Grover, Holman, Kammer** (Providence Hospital), **Kassebaum, Kendall, Kloster, Koler, Labby, Linman, Malinow** (Primate Center), **Mass** (Veterans Hospital), **Melnik, Metcalfe, J. Morris** (Veterans Hospital), **Pirofsky, G. Porter, Rabiner** (Good Samaritan Hospital), **Rahimtoola, Ritzmann** (Veterans Hospital), **Seaman, J. Stevens, Trainer, Walsh** (Veterans Hospital)

Clinical Professors: **Burgner, Dow, Hare, Kammer, Long, Perlman, E. Rosenbaum, Selling, Stephens, Swank, Tuhy**

Associate Professors Emeriti: **Coffen, A. Davis, Swett**

Associate Professors: **W. Bennett, Bigley, Bryant, Garcia-Bunuel** (Veterans Hospital), **Gilbert** (Providence Hospital), **Grimm** (Good Samaritan Hospital), **Haas** (Veterans Hospital), **Haynie** (Veterans Hospital), **Holzgang, Isom** (Pediatrics), **M. Krippaehne, Melvin** (St. Vincent Hospital), **Neill** (Veterans Hospital), **Rittenberg** (Microbiology), **Roth, Shick** (Veterans Hospital), **F. W. Smith** (Veterans Hospital), **Zivin**

Associate Clinical Professors: **Aumann, Beall, Beck, A. Berg, Boylston, Flanery, M. Goldman, M. Horenstein, W. Hurst, Hurtado, L. Larson, W. Larson, Livingstone, Matteri, McMahon, Medved, T. Morris, D. E. Olson, W. Olson, O. Page, Payne, Reaume, Riley, Rinehart, W. Rogers, L. Rose, Senders, Shambaugh, Soelling, Sutherland, Watson**

Assistant Professors: **Bardana, A. Buist, Connell** (Experimental Neurology), **Cook, DeMots, Ferry** (Pediatrics), **S. H. Goodnight, Hammerstad, Hill** (Primate Center), **Katon, Lezak** (Veterans Hospital) (Medical Psychology), **Lundh** (Veterans Hospital), **McAnulty, McDonald** (Veterans Hospital), **Mercer** (Dietetics), **Riddle, Selden** (Veterans Hospital), **Takebe**

DESCRIPTION OF COURSES

Assistant Clinical Professors: Ames, R. Baker, G. Barton, Baumeister, J. Bell, Blatt, Biocourt, L. Brice, Brodeur, Brodie, Crislip, Cross, Dewey, Dobrow, Doty, Drake, Evans, Forse, Forster, Freidberg, Garofalo, Goldberg, Goodman, Gray, Hoyt, Kliewer, R. Kosterlitz, Krakauer, Kremkau, Kretschmar, Krygier, T. Lee, A. Lindgren, Mack, Maurice, McCutchan, McKillop, Meghan, Meihoff, O'Hollaren, O'Toole, Pacquet, H. Peterson, Pittenger, Reich, Reilly, Reimer, Robins, Romanaggi, Rullman, Rumbaugh, Schimschock, W. Scott, Semler, Snodgrass, Squire, Storino, F. Thomas, Wild, G. Wolfe, Wysham, Zerzan

Senior Clinical Instructors: Blanchard, W. Cohen, Donahower, Freiermuth, Giedwoyn, Greve, Haun, Jacobs, Keene, Matthews, Noonan, Partridge, P. Sloop, Vitums

Instructors: Dhindsa, Fratzke, Gospodnetich, J. Hutchinson, Mahler (Veterans Hospital), G. Olsen, Stanwood

Clinical Instructors: M. Ahmad, J. Antonovic, Asby, Banks, Belknap, Birkdorf, Bonnländer, Bowman, M. Buchan, Callanan, Chitty, P. Church, Collins, Craig, deBruin, Devorss, Douglass, Drips, Duncan, Dygert, Ellerby, Ellison, Eusterman, Froom, Garges, Gillick, C. Griffin, Hull, P. Hutchinson, Intile, Kane, Kazmierski, Jacobs, Ladd, Liberman, Maks, Manzano-Dantas, Martinson, McBarron, McCarthy, Nachtigal, Oerther, D. R. Olson, Owens, Palmrose, C. Petterson, D. Regan, M. Regan, W. Robertson, Rush, Sajid, Schaub, Shepherd, K. Smith, R. Smith, Spolar, Stanwood, Strom, Tatum, Uhland, Vallion, Van Sickle, Vaughn, Vervloet, Weaver, Weinstein, Wheeler, D. Wiley, J. Williams, Woodworth

Affiliate: Lucas

Residents: J. Anderson, Brady, Britell, Byrne, Carlton, Chandler, Cogan, Ebert, Ellerbrook, Ettlinger, Feldman, Feteih, Fitzgibbons, Gibson, Goodall, Greeves, Harless, Harris, Harrison, Hartstein, Henrich, Iverson, D. Johnson, M. Johnson, B. Kennedy, Koukol, Lane, C. Lee, Lipshutz, Maneatis, McMullan, Medak, J. Meyer, Pantely, Peach, Pipoly, Plamp, Puterbaugh, Reis, Robert, Seda, Sheerin, Stavits, R. Sullivan, Trevor, Velick

DIVISION OF CARDIOLOGY

Frank E. Kloster, Head of Division

Professors Emeriti: Brill, Underwood

Professors: Bristow, Griswold, Kassebaum, Kloster, Malinow (Primate Center), Metcalfe†, Rahimtoola, Ritzmann (Veterans Hospital)

Associate Professors Emeriti: Coffen, A. Davis, Swett

Associate Professor: Neill (Veterans Hospital)

Associate Clinical Professors: Hurst, Reaume, Riley, W. Rogers, Rose, Sutherland

Assistant Professors: DeMots, McAnulty, Selden (Veterans Hospital)

Assistant Clinical Professors: Ames, Boicourt, Brodeur, Crislip, Freidberg, Goldberg, Kremkau, T. Lee, Maurice, Rumbaugh, Semler, Wild, Wysham

Senior Clinical Instructors: W. Jacobs, Keene, Matthews

Clinical Instructors: M. Ahmad, J. Antonovic, Devorss, Duncan, Rush, Shepherd

Research Associate: O. Brown

Fellows: Cummings, Morton, Murphy, Stein, Toren, Trenouth, Wilson, Zumbrun

DIVISION OF CHEST DISEASES

Miles J. Edwards, Head of Division

Professor Emeritus: **Speros**

Professors: **Edwards, Morris** (Veterans Hospital)

Clinical Professor: **Tuhy**

Associate Professors: **Haas** (Veterans Hospital), **W. Lawson**

Associate Clinical Professor: **D. E. Olson**

Assistant Professor: **A. Buist**

Assistant Clinical Professors: **Mack, Forse, Reich**

Senior Clinical Instructors: **Greve, Vitums**

Clinical Instructors: **Vervloet, B. Williams**

Research Assistants: **D'Silva, London, Steen**

Fellows: **McClelland, Shanks**

DIVISION OF ENDOCRINOLOGY

Monte A. Greer, Head of Division

Professors: **Greer, Kendall**

Clinical Professor: **Kammer**

Associate Professor: **Melvin** (St. Vincent Hospital)

Associate Clinical Professors: **Aumann, Livingstone**

Assistant Professors: **Cook, McDonald** (Veterans Hospital), **Takebe**

Assistant Clinical Professors: **Blatt, L. Brice**

Senior Clinical Instructor: **Donahower**

Instructor: **G. Olsen**

Clinical Instructor: **Liberman**

Fellows: **Fukada, Seaich, Yasuda**

Research Assistants: **Greer, Panton, Roberts**

DIVISION OF GASTROENTEROLOGY

John A. Benson, Jr., Head of Division

Professors: **J. Benson, Melnyk**

Clinical Professor: **Long**

Associate Professors: **Shick** (Veterans Hospital), **F. W. Smith** (Veterans Hospital)

Associate Clinical Professors: **Boylston, M. Goldman, Medved, Soelling**

Assistant Professor: **Katon**

Assistant Clinical Professors: **Baumeister, Evans, Krakauer, Meihoff, H. Peterson, Zerzan**

Senior Clinical Instructors: **Freiermuth, Haun**

Clinical Instructors: **Ellison, Kazmierski, Van Sickle**

Fellows: **Bohlman, Ruskin**

Research Associate: **DeBernardi**

DESCRIPTION OF COURSES

DIVISION OF GENERAL MEDICINE

Curtis R. Holzgang, Head of Division

Assistant Professor: **Holzgang**

DIVISION OF HEMATOLOGY

Professors: **Linman, Mass** (Veterans Hospital), **Rabiner** (Good Samaritan Hospital), **Walsh** (Veterans Hospital)

Assistant Clinical Professors: **Dobrow, Doty, Kliewer, Pittenger, Rullman**

Clinical Instructors: **Birndorf, Ellerby, D. Regan, Vallion**

Affiliate: **Lucas** (Dentistry, Dental School)

Research Assistants: **Joseph, Levin, Moffat**

Fellows: **Bagby, Common, Fitzgibbons, Fredrickson, Trowbridge**

DIVISION OF IMMUNOLOGY AND ALLERGY

Bernard Pirofsky, Head of Division

Professor Emeritus: **M. Moore**

Professor: **Pirofsky**

Clinical Professors: **Perlman, Selling**

Associate Professor: **Rittenberg** (Microbiology)

Associate Clinical Professor: **Matteri**

Assistant Professor: **Bardana**

Assistant Clinical Professors: **O'Hollaren, Robins, Romanaggi, Squire, G. Wolfe**

Senior Clinical Instructor: **Noonan**

Clinical Instructors: **Callanan, Garges, Nachtigal, M. Regan**

Research Assistants: **Anderson, August, Baltz, Craig, J. Morton, Pratt**

Fellows: **Andrasch, Nolte, Roman**

DIVISION OF INFECTIOUS DISEASES

Richard E. Bryant, Head of Division

Professor: **Morris** (Veterans Hospital)

Associate Professors: **Bryant, Gilbert** (Providence Hospital), **M. Miller** (Pediatrics), **Rashad** (Clinical Pathology)

Assistant Clinical Professor: **O'Toole**

Fellows: **Chunn, Kimbrough**

DIVISION OF METABOLISM

John W. Kendall, Jr., Head of Division

Professor: **Kendall**

Clinical Professors: **Hare, Stephens**

Associate Clinical Professors: **Horenstein, Page**

Assistant Professors: **Cook, McDonald** (Veterans Hospital), **Riddle**

Assistant Clinical Professor: **McKillop**

Clinical Instructor: **P. Church**

Research Assistant: **Riss**

DIVISION OF NEPHROLOGY

George A. Porter, Head of Division

Professor: **G. Porter**

Associate Professors: **Bennett, Haynie** (Veterans Hospital)

Assistant Professors: **Lundh** (Veterans Hospital), **McDonald**

Assistant Clinical Professors: **Drake, F. Thomas**

Instructor: **J. Hutchinson**

Clinical Instructors: **Collins, Froom, Martinson, Oerther, D. R. Olson, Wheeler**

Research Associate: **Kimsey**

Research Assistant: **Acorda**

Fellows: **Bagby, Hartnett, Kuehnel**

DIVISION OF NEUROLOGY

Professor Emeritus: **Margason**

Professors: **Carter, G. Seaman, Stevens**

Clinical Professors: **Dow, Swank**

Associate Professors: **Garcia-Bunuel** (Veterans Hospital), **Grimm** (Good Samaritan Hospital), **Isom** (Pediatrics), **Roth, Zivin**

Associate Clinical Professors: **W. Larson, J. Watson**

Assistant Professors: **Connell** (Experimental Neurology), **Ferry** (Pediatrics), **Hammerstad, Lezak** (Medical Psychology) (Veterans Hospital)

Assistant Clinical Professors: **Baker, Barton, Bell, Brodie, Cross** (Psychiatry), **Dewey** (Medical Psychology), **Garofalo, R. Kim, Reilly, Reimer, Schimschock** (Pediatrics), **Snodgrass, Storino**

Clinical Instructor: **Sajid**

Research Associates: **L. Jackson, Knox, Prichard**

Research Assistants: **Livermore, Nordt, Ostermeier, Tamblyn**

Residents: **Britton, Bounds, Ebert, Eisler, Leonard, Maukonen, Rafal, Schwartz, Shima, Smith, Ward, R. Wilson**

DESCRIPTION OF COURSES

DIVISION OF RHEUMATOLOGY

Edward E. Rosenbaum, Acting Head of Division

Professor Emeritus: **D. Taylor**

Clinical Professor: **E. Rosenbaum**

Associate Clinical Professor: **Rinehart**

Assistant Clinical Professor: **Kretschmar**

Senior Clinical Instructor: **Sloop**

Clinical Instructors: **Ladd, M. Regan, Strom**

Internal Medicine—Required Courses

Second Year

Con 611. **Patient Evaluation.** (See page 52.).

Third Year

Med 620. **Third-Year Medicine.** 18 hours.

Third-year medicine introduces the student to the study of the broad field of internal medicine by means of hospital clerkship work and conference sessions. Hospital clerkship provides opportunity for the intensive study of patients with medical diseases, and active participation, under supervision, in ward rounds, and all other exercises and procedures connected with medical ward activity. Particular emphasis is given to the development of skill in history taking, physical examination, and differential diagnosis. Night or weekend duty on a rotational basis may be required. The conference sessions deal with basic concepts relating to a broad range of medical disorders, and discussion of reading in the field of internal medicine.

The student attends medical staff conferences, staff rounds and a medicine mortality conference. Conferences 7½ hours a week for twelve weeks. Clerkships 28½ hours a week for twelve weeks. 432 hours.

Internal Medicine—Elective Courses

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

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

Med 507. **Seminar.** Any term, hours to be arranged.

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

Students may elect to conduct research in the various divisions of medicine by arrangement with the head of the division.

Med 605. **Reading and Conference.** Any term, hours to be arranged.

Med 607. **Seminar in Medicine.** Any term, hours to be arranged.

Med 609. **Clinical Experience.** Any term, hours to be arranged.

Med 681, 682. **Prenatal and Marital Counseling in Medical Practical and the Medical Problems of Sexuality.** 2 hours, winter and spring.

Lectures and discussions on the psychophysiological background of human sexuality and the medical and ethical problems encountered in this area of medical practice. 1 hour a week: 24 hours.

Med 691. **Electrocardiography.** 1 hour, winter term.

Conferences, demonstrations and laboratory exercises devoted to the techniques, physiological basis and interpretation of electrocardiography and vectorcardiography. Limited to students on the medicine block. 2 hours a week for 12 weeks: 24 hours.

Neurology—Required Courses

Third Year

Con 621. **Neurosciences.** (See page 52.).

OBSTETRICS AND GYNECOLOGY

Elective Courses

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

Neu 605. **Reading and Conference.** Any term, hours to be arranged.

Neu 607. **Seminar.** Any term, hours to be arranged.

Neu 609. **Clinical Experience.** Any term, hours to be arranged.

Neu 691. **Neurology Conference.** 1 hour any term.

Combined conference including neurology, neurosurgery, neuro-ophthalmology, and neuro-radiology. Limited to 10 students. 2 hours a week: 24 hours.

Neu 692. **Experimental Neurology.** Any term, hours to be arranged.

Research techniques in neurology, neurochemistry, and electroencephalography. Open to third- and fourth-year students.

Neu 693. **Clinical Clerkship in Advanced Neurology.** 1 hour any term.

Elected neurological cases studied and presented for discussion. Participation in combined neurological, neuroradiological and neurosurgical conferences. Selected studies in clinical neurology or in electroencephalography.

DEPARTMENT OF OBSTETRICS AND GYNECOLOGY

Ralph C. Benson, Chairman of Department

Professors Emeriti: **J. G. P Cleland, Stearns, W. Wilson**

Professors: **R. Benson, R. Durfee**

Clinical Professor: **Fearl**

Associate Professors: **Bissonnette, A. Lis, Novy, Pernoll**

Associate Clinical Professors: **Breese, deMaria, Langley, Newton**

Assistant Professors: **D. Brown, Petty**

Assistant Clinical Professors: **Bischoff, Blatchford, R. Bolton, Fergus, Franklin, Fuller, Fulsher, D. James, Kinzel, Lage, M. McKeown, Mitchell, Parrott, J. Ray, W. Thomas**

Clinical Instructors: **B. Alberts, P. Alberts, R. Allen, Bergstrom, J.E. Cleland, Copeland, Corwin, Dahlman, DeCastro, Doughton, Enbom, Enden, Griffith, Hanschka, Hara, T. Hart, C. Hendricks, Hicks, Krauss, H. Lee, P. Roberts, Tarnasky, Thornton, Tyerman, Weyhrich**

Residents: **G. Anderson, R. Anderson, Andrews, Belknap, Bice, Birkemeier, Burkhardt, K. Burry, Cutting, Dooley, Drucker, Flath, Marcum, Montoya, Ono, Roth, Sakala, Scheraga, Schrinky, Vick**

DIVISION OF PERINATOLOGY

Martin L. Pernoll, Head of Division

Professors: **Babson, R. Benson, Bilbao, L. Carlson, R. Durfee, Engel, Lees, Metcalfe**

Associate Professors: **Bissonnette, Blank, J. R. Campbell, Hecht, Linder, Novy, Pernoll, Prescott**

Assistant Professors: **Benda, Klein**

Senior Advisors: **R. Benson, Koler, Montagna**

DESCRIPTION OF COURSES

Required Course

Fourth Year

ObG 630. **Fourth-Year Obstetrics and Gynecology.** 9 hours, one section each term.

Senior students have a block time during their fourth year. During this time, small group seminars reinforce clinical teaching on ward rounds, clinics and special outpatient subspecialty clinics in high-risk pregnancy and fertility problems. Obstetrical cases in the hospital are examined and followed; there is active participation in ward rounds and teaching conferences. Each student must observe 12 deliveries, participate in at least six deliveries, and follow the course of the mother and child during an assigned period. Students also examine and follow assigned gynecological hospital patients and participate in ward rounds and conferences. Attendance at gynecology tumor outpatient clinic and therapy conference once weekly is required. Obstetrics and Gynecology Clerkship, 33 hours a week for six weeks, in sections. Gynecology Clinic, 10 hours a week for 3 weeks. Obstetrics Clinic, 10 hours a week for 3 weeks. General Clinical Conference, 2 hours a week for 6 weeks. 216 hours.

Elective Courses

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

ObG 605. **Reading and Conference.** Any term, hours to be arranged.

ObG 607. **Obstetrics Seminar.** Any term, hours to be arranged.

Obg 609. **Clinical Experience.** Any term, hours to be arranged.

ObG 650. **Fetal Neonatal Death Conference.** ½ hour, any term.

DEPARTMENT OF OPHTHALMOLOGY

Kenneth C. Swan, Chairman of Department

Professors: **Burns, Christensen, Swan**

Clinical Professor: **L. Jones**

Associate Professors: **Feeney, S. Meyer, Weimar**

Associate Clinical Professors: **Keizer, McLean, Talbot, R. Zeller**

Assistant Professors: **Beard, Tongue**

Assistant Clinical Professors: **P. F. Bailey, W. Campbell, Cowger, Enders, Fischer, R. Haney, R. Hill, Lalli**

Senior Clinical Instructors: **Bedrossian, Brewer, Farr, Kreft, Markley, L. Peterson, J. Saunders, Tanner**

Clinical Instructors: **W. Baer, Helzerman, D. Johnson, Klass, Prendergast, Tanne, Wobig**

Residents: **Arendshorst, Arnold, Brooksby, Denman, D. Durfee, Hikes, Mumford, Rich, Schults, Steele, Weleber**

Required Course

Third Year

Con 621. **Neurosciences.** (See page 52).

Elective Courses

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

Supervised research training in the John E. Weeks Memorial Laboratory of Ophthalmology: ocular pathology, physiology, cellular physiology, pharmacology and experimental surgery.

Oph 605. **Reading and Conference.** Any term, hours to be arranged.

Oph 607. **Seminar.** Any term, hours to be arranged.

Oph 609. **Clinical Experience.** Any term, hours to be arranged.

Intensive study of visual system and disorders. Active participation in patient care in clinic and wards. Attendance in classes and conferences for residents. Opportunity to participate in departmental research activity.

DEPARTMENT OF OTOLARYNGOLOGY

David D. DeWeese, Chairman of Department

Professors: **DeWeese, C. Smith** (Kresge Research Laboratory), **Vernon** (Kresge Research Laboratory)

Clinical Professors: **P. Bailey, Chamberlain, R. Hansen, L. Jones**

Associate Professors: **Brummett** (Kresge Research Laboratory), **Schleuning**

Assistant Professors: **Buck** (Speech Pathology) (Portland Center for Hearing and Speech), **Everts, W. Johnson** (Audiology) (Portland Center for Hearing and Speech), **Meikle, J. Smith, Ten Eyck** (Veterans Hospital), **Wallock** (Kresge Research Laboratory)

Assistant Clinical Professors: **W. Bolton, Imbrie, Jordan, Kuhn, Landrey, Mettler, Myers, G. Summers**

Senior Clinical Instructors: **Hodgson, Panian, Schroeder**

Clinical Instructors: **Bergeron, Chowning, Eschelman, Faust, Fortsch, Korn, D. Wilson**

Residents: **Delorit, Dunlap, Egans, D. Fitzgerald, Friess, R. Harris, Hoover, J. Jones, Laws, J. Lindgren, Manor, Mather, Thomas**

Required Course

Third Year

Con 621. **Neurosciences.** (See page 52.)

Elective Courses

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

Oto 605. **Reading and Conference.** Any term, hours to be arranged.

Oto 607. **Seminar.** Any term, hours to be arranged.

Oto 609. **Clinical Experience.** Any term, hours to be arranged.

DEPARTMENT OF PEDIATRICS

William M. Clark, Acting Chairman of Department

Professors Emeriti: **Ashley, Engel, Lillywhite** (Speech Pathology)

Professors: **Babson, Blakeley** (Speech Pathology), **Boverman, R. Campbell, Carlson, W. Clark, Hecht, Isom, Lees, Meechan, Menashe, Rasmussen, Young** (Audiology)

DESCRIPTION OF COURSES

Clinical Professors: Billmeyer, Bussman, Q. Cochran*, S. Goodnight, W. Goss, J. Hart, Klevit, May, Nash, Press, Rector, Schunk, L. Smith, Stevenson, Van Rooy, Walliker, Wert

Associate Professors: Blank, Browder, N. Buist, J. Campbell, S. Cohen, Fay (Speech Pathology), Ferry, French (Anthropology)*, Gerber, Lovrien, D. Macfarlane, M. Miller, Schmidt, Tank, C. Williams, Woodcock

Associate Clinical Professors: Blair, Boehnke, Chappell, Eleff, J. Hansen, Hartford, E. Hendricks, W. Hill, Hurst, Kracke, Massengale, Mendelson, Murdoch, Penn, Snook, Sessions (Psychiatry), Springer, C. Sunderland, Thornfeldt, Varga**, Whittemore

Assistant Professors: Benda, Grach, Jhaveri, Mageniz, Musgrave, Sack, W. Sunderland, Talwalkar, Tufts

Assistant Clinical Professors: J. Brooks, Cavalli, C. Clark, Emmerich, Fleshman, Fortlage, Harlor, F. Jacobson, Moody, C. L. Morgan, O'Leary, T. Olsen, Pomeroy, Roe, Sessions, Schilke, Sinanan, Stager, Stanton, M. Williams

Instructors: Amdall, M. Brown, Budetti

Clinical Instructors: J. Baker, Berry, Brenes, D. Browning, Butzer, Colwell, Currier, DeKlotz, Frankel, Frisbie, Glass, Goetz, L. Hall, Holley, L. Johnson, Leibrecht, B. Marquardt, L. Mason, F. Miller, W. Miller, Noble, Noonan, Nomura, T. Porter, Rapp, Rosenberg, Steinberg, Strimling, Urry, Vilhauer, Waage, Wicklund, Yao, Younger

Residents: Bybee, Ching, R. Cohen, Feldman, Geraci, J. Gilbert, Gilboa, Kelly, Leidel, Minor, Pang, H. Phillips, D. Porter, Stobie, Tochen, Tolpin, Wegehaupt

Fellows: Banagale (Neonatology), Harner (Nephrology), Henken (Cardiology), Nichols (Cardiology)

Required Course

Third Year

Con 620. Child Health (See page 52).

Elective Courses

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

Ped 605. Reading and Conference. Any term, hours to be arranged.

Ped 607. Seminar. Any term, hours to be arranged.

Ped 609. Clinical Experience. Any term, hours to be arranged.

DEPARTMENT OF PSYCHIATRY

Paul McHugh, Chairman of Department

Professor Emeritus: Saslow

Professors: Blachly, Boverman (Child Psychiatry), Denney, Irwin (Pharmacology), Labby, McHugh

Clinical Professors: Dickel, Fine, M. Lipkin

* Leave of absence.

** Leave of absence August 1, 1974 to October 1, 1975.

Associate Professors: **S. Cohen** (Sociology), **Glaudin** (Veterans Hospital) (Psychology), **N. Kosterlitz** (Psychiatric Social Work), **Lingas, Marks** (Psychology), **Morgenstern, J. Stevens** (Veterans Hospital), **Woodcock** (Child Psychiatry)

Associate Clinical Professors: **T. Bennett, Berthelsdorf, Bottomly, Bray, J. L. Butler, Colbach, Daugherty** (Family Practice), **Deeney, Fink, W. Hutchens, Kimball, Mighell, Morrison** (Child Psychiatry), **Parvaresh, Quan, Sessions** (Pediatrics), **Waterman**

Assistant Professors: **C. Browning** (Veterans Hospital), **Collins** (Social Work), **J. Lipkin** (Veterans Hospital), **Sack, Slavney, Stolzberg, Stubbs, U'Ren, Winans** (Social Work)

Assistant Clinical Professors: **Bischel, D. Browning, Cloyd, Goocher** (Psychology), **Gregory, G. Hughes, Jetmalani, Kole, Lohman** (Psychology), **MacKenzie, McKinley, Paltrow, Pankratz** (Psychology) (Veterans Hospital), **R. Phillips, Pidgeon, Ransmeier, Shore, Suckow, Taplin** (Psychology)

Instructors: **Amdall, M. Robinson** (Psychiatric Nursing)

Clinical Instructors: **Amstadter** (Child Psychiatry), **Ball, Boggs** (Medicine), **C. Brown, Burton, Carlisle, Duncan, Eastman, Holt, V. Horenstein, C. Johnston, Kjaer, Korman, J. Larsen, Luther, McDowell** (Psychology), **Neff, Newman** (Psychology), **Petroske, Plummer, M. Smith, Utt, Voiss, Wesche, Worthylake**

Research Associates: **F. Baker, Maher**

Residents: **Angell** (Child Psychiatry), **Arthur, L. Bissonnette, Casey, Ehlers, Fairley, Gordon, Grass, Green, Griffin, Hackenbruck** (Child Psychiatry), **Hayes, G. M. Lee** (Child Psychiatry), **Marcel, Rumore** (Child Psychiatry), **Shames, Shapiro, Silver, F. Zieverink, W. Zieverink**

Required Courses

First Year

Psy 410. **The Human Context of Medical Practice.** 2 hours fall.

The major goal of this course is to make explicit the student's awareness of basic problems of human life that are germane to medical practice. By the use of simulations, lectures, clinical demonstrations, and discussions, a student will become aware of alternative choices in many medical decisions and the impact his own attitudes and values have in making these decisions. He will also become aware of the impact upon himself of medical attitudes and values that differ from his own. He will learn to elicit clear statements of another's attitudes and values about matters of importance to the other person. The student will learn basic communicative skills such as paraphrasing, behavior description and summarizing that he can use in the day-to-day problems confronting the medical student. All the learning will occur in the context of selected current bioethical issues. 36 hours.

Con 413. **Introduction to Patient Evaluation.** (See page 52.)

Third Year

Con 620 **Child Health** (See page 52.)

Fourth Year

Psy 630. **Psychiatry Clinical Clerkship.** 9 hours.

The clinical clerkship in psychiatry affords the opportunity to expand concepts and to obtain clinical experiences in psychiatric illness and the emotional correlates of physical disease. Systematic instruction in principles of psychopathology and treatment will be provided through lectures, seminars, case conferences, and individual supervision. Supervised clinical experience is obtained in the psychiatry outpatient clinic, psychiatry inpatient facility, emergency room, community health facilities, and in consultation with the pediatric, medical and surgical services. Special emphasis is placed on further development of the student's interviewing and interactional skills with patients. 216 hours.

DESCRIPTION OF COURSES

Elective Courses

Psy 601. **Research in Psychiatry.** Any term, hours to be arranged.

Psy 605. **Reading and Conference in Psychiatry.** Any term, hours to be arranged.

Psy 607. **Seminar in Psychiatry.** Any term, hours to be arranged.

Psy 609. **Clinical Experience.** Any term, hours to be arranged.

DEPARTMENT OF PUBLIC HEALTH AND PREVENTIVE MEDICINE

Harold T. Osterud, Chairman of Department

Professors: **Osterud, Reinschmidt**

Clinical Professor: **Press**

Associate Professor: **D. Phillips**

Associate Clinical Professors: **Batten, T. Fox, Greenlick, Oleinick, Penn,
Tilson, Welborn**

Assistant Professors: **Goldblatt, Grant**

Assistant Clinical Professors: **Dierker, Donnelly, Haskell, Meador, Stitt**

Senior Instructor: **Lessel**

Senior Clinical Instructors: **Brandon, M. Holmes, M. Martin, Toombs**

Instructors: **M. Brown, Budetti**

Clinical Instructors: **Bobbitt, Goldberg**

Affiliate: **Shanbeck**

Research Assistant: **Danielson**

DIVISION OF ENVIRONMENTAL MEDICINE

William E. Morton, Acting Head of Division

Professors: **Horton, Morton**

Clinical Professor: **Sullivan**

Associate Clinical Professors: **R. Martin, Rieke**

Assistant Clinical Professors: **Crippen, Douglas, Herman, Sittner, Welch**

Affiliates: **Baum, McClure**

Research Assistants: **Bolewicz, Schuff**

Required Courses

First Year

PH 410. **Public Health and Epidemiology.** 3 hours fall, and winter.

Introduction to concepts and measurements of community health status and problems; emphasis upon human ecology, epidemiology, biostatistics, and environmental sanitation. Lectures, demonstrations and seminars. 72 hours.

RADIOLOGIC DIAGNOSIS

Third Year

Con 620. Child Health (See page 52.)

Third and Fourth Year

Con 630. Law and Medicine. (See page 52.)

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.** Any term, hours to be arranged.

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

PH 605. **Reading and Conference.**

Epidemiology: Any term, hours to be arranged.

Investigation and field studies. Students choose a subject of interest in preventive medicine, public health, delivery of medical care, etc. Six or 12 weeks.

PH 607. **Seminar.** Any term, hours to be arranged.

PH 609. **Clinical Experience.**

Clinical Field Experience: Any term, hours to be arranged.

Field experience in community medicine and public health or environmental medicine. Emphasis on student's area of interest. Six or 12 weeks.

DEPARTMENT OF RADIOLOGIC DIAGNOSIS

Charles T. Dotter, Chairman of Department

Professor Emeritus of Radiologic Technic: **Drum**

Professors: **Bilbao, Dotter, Frische, Rösch**

Associate Professors: **Blank, Kerber**

Clinical Professors: **Raines, Trout**

Associate Clinical Professors: **W. Ericksen, A. Hunter, Kiesel, Loomis, R. Miller, Ovregaard, Satterwhite, Shipps, Straube, Wandel, Warnock**

Assistant Professors: **R. Antonovic, T. G. Lee, Stille** (Veterans Hospital)

Assistant Clinical Professors: **Arkless, Friedman, Green, Mueller, Turcke, Whiting, Wishart**

Clinical Instructors: **Cordova, Haber, G. Johnson, Leary, McDougall, Madeira, B. Mayer, G. C. Miller, Phelan, Philips, Purnell, Reade, Roddy, Saylor, Sewell, Stoney, C. Wiley, O. Williams**

Research Associate: **T. Hutchins IV**

Research Assistants: **Lakin, Tveidt**

Residents: **J. Anderson, Bank, Bernett, Cain, Cook, Cromwell, Donley, Edelman, Ehrlich, Freeny, Gutierrez, Henderson, Keller, Pappas, Parsons, Solis**

Cardiovascular Fellow: **Gralino**

DESCRIPTION OF COURSES

Required Course

Third Year

RadD 620. **Radiographic Diagnosis.** 1½ hours. Two terms either fall, winter or spring.

Broad experience in the interpretation and reporting of X rays through weekly film reading assignments followed by small-group case presentation exercises. Lectures on diagnostic principles, radiographic technic, radiation hazard and protection. 1 hour a week for two terms: 24 hours.

Elective Courses

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

RadD 605. **Reading and Conference.** Any term, hours to be arranged.

RadD 607. **Seminar.** Any term, hours to be arranged.

RadD 609. **Clinical Experience.** Any term, hours to be arranged.

RadD 690. **Radiographic Diagnosis.** Any term, hours to be arranged.

Practical experience derived from individually assigned cases in the teaching file; correction and discussion of students' presentations at weekly seminar; observation and supervised participation in clinical radiologic procedures and related conferences. Enrollment limited.

DEPARTMENT OF RADIATION THERAPY

William T. Moss, Chairman of Department

Professor Emeritus: **C. Allen**

Professor: **Moss**

Associate Professor: **Haines** (Nuclear Medicine)

Associate Clinical Professors: **Horowitz, M. Hyman, S. Hyman, J. Lee**

Assistant Professor: **K. Stevens**

Assistant Clinical Professors: **Gallucci, Lowy, Molendyk**

Instructor: **R. J. Fry**

Residents: **Gagnon, Pacheco-Gil, Tong**

Required Course

Second Year

See pathophysiology sequence, pages 38 and 39.

Elective Courses

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

RadT 605. **Reading and Conference.** Any term, hours to be arranged.

RadT 607. **Seminar.** Any term, hours to be arranged.

RadT 609. **Clinical Experience.** Any term, hours to be arranged.

RadT 691. **Introduction to Radiation Therapy.** Hours to be arranged.

Attendance and participation in radiation therapy planning conferences, observing treatment and follow-up examination of assigned cases.

DEPARTMENT OF SURGERY

William W. Krippaehne, Chairman of Department

Professors: **Fletcher, Henke** (Veterans Hospital), **W. Krippaehne, C. Peterson, Vetto** (Veterans Hospital)

Clinical Professors: **J. C. Adams, H. Baker, Boyden, McKirdie, Rosenblatt, W. Zeller**

Associate Professors: **Jacob, Leung, J. Porter**

Associate Clinical Professors: **Awe, Bassett, Beckwith, D. Cleland, D. Dennis, Garnjobst, Gorrell, Groshong, Leaverton, Marcum, Shields, Steffanoff, E. Sullivan, Wayson**

Assistant Professors: **Brant-Zawadzki, Chakraborty, Eidemiller, Faust, Lindell** (Veterans Hospital), **Templeton**

Assistant Clinical Professors: **Andrews, Bieker, N. Campbell, Foster, Gingrich, Grout, Gustavson, Hallin, M. Howard, Hyde, Inahara, Johnsrud, Kelley, Laird, V. Lindgren, Mayer, Nadal, Parshley, Reiner, K. Robertson, Rowland, R. Sloop, Snedecor, Trommald, Uhle, Vander Veer, N. Wilson**

Senior Clinical Instructors: **Battalia, Blumberg, Bollam, Braun, P. Brown, Colver, Cutler, Diack, Flanagan, Guffee, Harding, Hildreth, Jefferson, R. Johnson, Kanzler, C. Lee, Lindquist, Loehden, McAllister, W. Marshall, J. Meyer, D. Miller, Nichols, Odell, Olwine, Perrin, D. Reed, J. Roberts, Shlim, Spaulding, C. Starr, Weed**

Clinical Instructors: **Bachulis, F. Bentley, Brose, Brossart, Clisby, W. Duncan, Edelson, Eisendorf, J. Goss, Hauge, J. Hayes, K. Holmes, Kantor, Kisner, G. Lee, McCraw, McFarlane, Markee, Mathiesen, Naylor, J. Owen, R. Patton, Puziss, Reeves, W. Rosenbaum, D. Ross, Rothenberger, Simmons, Stone, Uhlig**

Residents: **D. Anderson, Atkins, Baur, R. Brown, Calhoun, Carpenter, Dundas, duPriest, Harrison, Keevil, Kraybill, Luber, McConnell, Macmanus, Merhoff, Moseson, Nolte, Oehling, E. Peterson, G. Sasaki, T. Sasaki, Scarborough, Underwood, Wesche, Wustrack, Yeager**

DIVISION OF CARDIOPULMONARY SURGERY

Albert Starr, Head of Division

Professor Emeritus: **Conklin**

Professor: **A. Starr**

Clinical Professor: **J. Wood**

Associate Professor: **Bonchek**

Assistant Professors: **Dobbs, Okies**

Assistant Clinical Professors: **A. Ahmad, Bigelow, Chapman, Lowell**

Senior Clinical Instructors: **Poppe, Sweetman**

Clinical Instructors: **Bergquist, Leon, Matar, R. Rogers**

Fellows: **Doctor, Konishi, R. Lawson, Prasad**

Residents: **Housman, Kalush, Li, Litchford, Sugimura**

DESCRIPTION OF COURSES

DIVISION OF DENTISTRY

Louis G. Terkla, Head of Division

Professors: **Bruckner, Jarabak, Lucas, Merrill, Paulson, D. Porter, Rickles, Savara, Terkla**

Associate Professors: **Bartley, J. Bennett, Gullikson, Jastak, Retzlaff, Woodworth, Woolley, W. Wright**

Assistant Professors: **Fleetwood, Lunt, Pike, C. Thompson**

DIVISION OF NEUROSURGERY

***Harold D. Paxton**, Head of Division

Professors: **Gallo, Paxton***

Clinical Professors: **Raaf**

Associate Professor: **Sato**

Associate Clinical Professors: **E. Davis, Seres**

Assistant Professors: **Hummel, Tanabe**

Assistant Clinical Professor: **Kloos**

Clinical Instructors: **J. Dennis, Grewe, C. Hill, Misko, Parsons, Tahir**

Residents: **Simons, Tice, Waller, Werschkul**

DIVISION OF ORTHOPEDICS

William Snell, Head of Division

Professors Emeriti: **Begg, Blair, C. Carlson, J. Davis**

Professors: **Beals, Snell**

Clinical Professors: **Chuinard, Slocum**

Associate Professor Emeritus: **Kimberley**

Associate Professors: **P. Fagan** (Veterans Hospital), **Guyer**

Associate Clinical Professors: **P. Campbell, Hopkins, Noall, F. B. Smith**

Assistant Professor: **Bird**

Assistant Clinical Professors: **Abele, R. Berg, R. Case, C. Fagan, Fitch, Geist, Langston**

Senior Clinical Instructors: **Baskin, T. Boyden, Cherry, M. Church, Cohen, Collis, Cottrell, Embick, J. Gill, S. Gill, Groth, Hardiman, Holm, S. James, O. Jones, Kiest, R. Larson, Logan, McKillop, J. Mason, Post, E. Robinson, Short, R. Zimmerman**

Clinical Instructors: **Berselli, J. B. Butler, Button, J. Chester, Clarke, Eckhardt, T. Edwards, Eilers, T. Fagan, Fry, Gambee, Graham, Gripekoven, Gritzka, Grossenbacher, Harder, Hauge, Hazel, Kayser, Lisac, MacCloskey, Neill, Nathan, J. Nelson, Paulson, Rankin, Sarnecki, Stanford, Struckman, J. Thompson, Tiley, Vessely, F. Wade, Waldram, Wells, Wisdom**

Residents: **Crenshaw, Hayhurst, Kaesche, Mason, K. Peterson, Ragsdale, Schroeder, Skubi, W. Smith, S. Thomas, Vigeland**

* Leave of absence December 1, 1973 to December 1, 1974.

SECTION OF PHYSICAL MEDICINE AND REHABILITATION

SURGERY

Professors Emeriti: **A. Jones, Fowlks**

Assistant Professors: **King** (Veterans Hospital), **Peirson** (Veterans Hospital)

Assistant Clinical Professor: **Cross**

Senior Clinical Instructors: **J. Gerhardt, Russakov**

Clinical Instructor: **Stanwood**

DIVISION OF PEDIATRIC SURGERY

John R. Campbell, Head of Division

Professor: **J. R. Campbell**

Assistant Clinical Professor: **T. Campbell**

Clinical Instructor: **Trautman**

DIVISION OF UROLOGY

Clarence V. Hodges, Head of Division

Professor: **Hodges**

Clinical Professors: **Gardner, Hand, Montgomery**

Associate Professors: **R. Lawson, Tank**

Associate Clinical Professors: **Beardsley, Lehman, R. J. Moore, Paul**

Assistant Professors: **Barry, Pearse**

Assistant Clinical Professors: **Collier, Giesy, Kalez, C. Macfarlane, Rustin, Sandoz, Vandenberg**

Clinical Instructors: **Brettschneider, Catlow, Crary, Gabor, Gilbaugh, Halpert, M. Jhaveri, J. Pappas, Sacco, Stull, Weeber, D. A. Young**

Residents: **Boileau, Craven, Fuchs, Kay, Metcalfe, Murphy, Nichols, Oldroyd, Poole, Pitre, Reed, Rosenquist, Sullivan, Walker**

General Surgery—Required Course

Fourth Year

Sur 630. **Fourth-Year Surgery.** 18 hours.

The fourth-year surgical course objectives are to graduate physicians who are grounded in the principles and practice of surgery, who can evaluate surgical information and the role of the surgical consultant, can recognize common surgical disorders, treat surgical emergencies, diagnose and prepare patients for operation, recognize and treat postoperative problems, and perform minor surgical operations. This is accomplished through three months' participation in the emergency room, hospital wards, clinics and operating room activity in general surgery, orthopedics, urology and anesthesia. Conferences, seminars, lectures, and outside reading complement patient care activities to accomplish these broad goals. 432 hours.

General Surgery—Elective Courses

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

Sur 605. **Reading and Conference.** Any term, hours to be arranged.

Sur 607. **Seminar.** Any term, hours to be arranged.

Sur 609. **Clinical Experience.** Any term, hours to be arranged.

DESCRIPTION OF COURSES

Cardiopulmonary Surgery—Elective Courses

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

CSur 605. **Reading and Conference.** Any term, hours to be arranged.

CSur 607. **Seminar.** Any term, hours to be arranged.

CSur 609. **Clinical Experience.** Any term, hours to be arranged.

Neurosurgery

Required Course

Third Year

Con 621. **Neurosciences.** (See page 52.)

Elective Courses

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

Clinical and basic research projects in neurosurgery. Intended for students primarily interested in careers in neurology and neurological surgery.

NSur 605. **Reading and Conference.** Any term, hours to be arranged.

NSur 607. **Seminar.** Any term, hours to be arranged.

NSur 609. **Clinical Experience.** Any term, hours to be arranged.

NSur 650. **Differential and Regional Neurosurgical Diagnosis and Therapeutics.** ½ hour.

Discussions and demonstrations of the altered neurophysiologic background and anatomy encountered in patients with neurosurgical problems. Emphasis on student interest and participation in discussion of the basic concepts involved. Lectures and demonstrations, 1 hour a week: 12 hours.

Orthopedics—Elective Courses

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

Orth 605. **Reading and Conference.** Any term, hours to be arranged.

Orth 607. **Seminar.** Any term, hours to be arranged.

Orth 609. **Clinical Experience.** Any term, hours to be arranged.

Urology—Elective Courses

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

An introduction to the clinical field of transplantation with emphasis on immunosuppressive therapy and its complications; an introduction to the experimental techniques in surgery and immunology as applied to current problems in organ transplantation.

Ur 605. **Reading and Conference.** Any term, hours to be arranged.

Ur 607. **Seminar.** Any term, hours to be arranged.

Ur 609. **Clinical Experience.** Any term, hours to be arranged.



5

ALLIED
HEALTH
AND OTHER
INSTRUCTIONAL
PROGRAMS

Medical Technology

Margaret E. Berroth, Director

Mary E. Baptist, Educational Coordinator

Professors: **M. Hamilton, T. Hutchens, V. Marquardt**

Clinical Professors: **Bramhall, R. Thompson**

Associate Professors: **Aitchison, Berroth, Haines, Rashad, J. Swanson**

Assistant Professors: **Baptist, K. Kim, Koontz, Shaich (Nuclear Medicine), Sheth**

Senior Instructors: **Chadwick (Clinical Microbiology), Ewell (Immunohematology), Parker (Hematology), J. Wilkinson (Clinical Chemistry and Urinalysis)**

Instructors: **Bumgardner (Veterans Hospital), Kilbourn (Veterans Hospital), Morris**

Assistants to the Educational Coordinator: **M. Campbell, B. Carlson, Chambers, Dudley, Engeldinger, Fraser, Goodstein, Kimmey, Matsumura, Reed, Rourke, Ryman, Seto, Wakayama**

Training in medical technology is offered by the department of clinical pathology of the University of Oregon Medical School. The twelve-month program, established in 1933, is approved by the American Medical Association.

The minimum admission requirements are three years of college work (135 term hours) including the following specific requirements:

*Chemistry**

A minimum of 24 term hours with lectures and laboratory is required. General inorganic chemistry, organic or biochemistry must be included. Quantitative analysis and physical chemistry are recommended.

*Biological Sciences**

A minimum of 24 term hours of biology is required which must include a course in bacteriology. Immunology, genetics, physiology and anatomy are recommended.

Mathematics

One course in mathematics is required. Minimum requirements are met by courses recognized as prerequisites for admissions to physics courses. Courses in statistics and physics are strongly recommended.

The three years of prerequisite work may be completed in any accredited college or university. Transcript evaluation by the ASCP Board of Schools of Medical Technology is not required for admission to the University of Oregon Medical School.

The University of Oregon Medical Technology program gives primary consideration to well-qualified applicants who are residents of Oregon. Superior applicants from other states are also given consideration.

Classes begin with the fall term and academic credit is granted for the work of the fall, winter and spring terms. No credit is given for the summer term, which is

* The content of chemistry and biological science courses must be acceptable towards a major in those fields of study. Survey courses do not qualify as fulfillment of chemistry and biological science prerequisites.

MEDICAL TECHNOLOGY

necessary for certification by the ASCP Board of Registry of Medical Technologists. Before entering the medical technology program, it is mandatory that a student possess sufficient basic credits required for a degree in the Oregon State System of Higher Education, or in the institution at which he obtained his college preparation, so that upon satisfactory completion of the academic year in the medical technology program at the University of Oregon Medical School and applying credits earned, he will receive his baccalaureate degree.**

Upon satisfactory completion of the twelve continuous months' study period, a certificate is issued to the student by the University of Oregon Medical School. The student is the eligible to take the National Certifying Examination given twice a year by the ASCP Board of Registry of Medical Technologists. A baccalaureate degree is also required for certification examination eligibility. Upon passing the examination, the student is qualified as a Certified Medical Technologist with the American Society of Clinical Pathologists, M.T. (ASCP).

Applications for admission may be obtained from the Director of Admissions of the Medical School. Applications are accepted between December 1 and March 1.

Fees

Textbooks and uniforms are supplied by the student.

There are a limited number of dormitory rooms for women; application may be made through the Women's Residence Director, 707 S.W. Campus Drive, Portland 97201.

Students in medical technology are required to pay fees for Fall, Winter and Spring terms. Oregon residents pay \$202 a term; non-residents \$509 a term. A health coverage fee of \$33 is assessed for the summer term. Medical technology students also pay the "special fees" listed on page 19 under the conditions indicated.

Grading System and Grades

A grading system of A to D is used at the Medical School. A is the highest and D is the lowest passing grade. Students in the medical technology curriculum are expected to maintain a G.P.A. of 2.00 or better during the twelve-month period. 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. In most courses the student will be given frequent written and practical tests, marked with percentage grades. The student may be given these percentage grades by his instructors, but final grades are issued only by the Registrar's office. Final grades are given for each term's work, but are issued only at the end of the winter and spring quarters.

If at any time during the school year the student feels his work is not satisfactory, he should consult his instructor. Should special problems arise that threaten to interfere with study, the student should consult a faculty member for advice before his scholarship has been seriously affected.

Dismissal

A student may be dropped upon recommendation of the faculty. The faculty has the right to sever, at any time, the connection with the Medical School of any student

** Students expecting to receive the bachelor's degree from the University of Oregon should include 6 hours of English composition and 9 hours of English literature in their preparatory programs. See the University of Oregon Catalog for specific courses that meet the composition and literature requirements.

ALLIED
HEALTH

who is considered to be physically, morally or mentally unfit for a career in medical technology.

A student ordinarily may be on probation status for one term before the faculty recommends his dismissal; however, the faculty, for adequate cause, may drop a student without previous warning.

Medical Technology—Graduate Program

A graduate program leading to the Master of Science degree is offered for qualified students.

Calendar

Fall Term, 1974

September 3 through September 6Orientation ; registration
September 6, *Friday*Last day for payment of fees
September 9, *Monday*Instruction begins
November 11, *Monday*Veteran's Day holiday
November 28-December 1,
 Thursday through *Sunday*Thanksgiving holiday
November 23, *Saturday*Fall term ends

Winter Term, 1974

November 25, *Monday*Registration ; instruction begins
November 29, *Friday*Last day for payment of fees
December 21-January 5, *Saturday* through
 SundayChristmas holidays ; laboratory instruction continues
February 3, *Monday*Lincoln's Birthday holiday
February 17, *Monday*Washington's Birthday holiday
February 22, *Saturday*Winter term ends

Spring Term, 1975

March 3, *Monday*Registration ; instruction begins
March 7, *Friday*Last day for payment of fees
May 17, *Saturday*Spring term ends
May 26-June 1, *Monday* through *Sunday*Vacation week
August 29, *Friday*Certification ceremony

Fall Term, 1975

September 2 through September 5Orientation ; registration
September 8, *Monday*Instruction begins

In addition to the classroom schedule listed above, students are required to be in attendance for laboratory instruction as required by the department of clinical pathology. The entire program of classroom and laboratory instruction covers a period of one calendar year (average 40 hours per week).

MEDICAL TECHNOLOGY

Curriculum in Medical Technology

	<i>Term Hours</i>
Fall Term	
MT 410. Clinical Microbiology	3
MT 415. Clinical Biochemistry	3
MT 417. Hematology	2
MT 420. Clinical Immunology and Serology	3
MT 422. Medical Laboratory Technique	7
	18
Winter Term	
MT 411. Clinical Microbiology	3
MT 414. Nuclear Medicine	2
MT 416. Clinical Biochemistry	3
MT 418. Hematology	3
MT 423. Medical Laboratory Technique	7
	18
Spring Term	
MT 412. Pathophysiology and Medical Terminology	2
MT 413. Urinalysis	1
MT 419. Immunohematology	3
MT 421. Clinical Parasitology	2
MT 424. Medical Laboratory Technique	8
MT 428. Electronics and Instrumentation	2
	18

MT 410, 411. **Clinical Microbiology.** 3 hours fall, 3 hours winter.

The microorganisms pathogenic for man. Study of the culture, the morphological characteristics, and the means of isolation and identification of these organisms. Fall: Lectures, 3 hours a week. Winter: Lectures, 3 hours a week.

MT 412. **Pathophysiology and Medical Terminology.** 2 hours spring.

Lectures reviewing basic anatomy and physiology. Study of the most common disease processes in man and their correlation with laboratory findings with explanation of the correct medical terminology. Lectures, 2 hours a week.

MT 413. **Urinalysis.** 1 hour spring.

A study of the mechanisms of formation and identification of the normal and abnormal components of urine. Lectures, 1 hour a week.

MT 414. **Nuclear Medicine.** 2 hours winter.

Lectures and demonstrations concerned with the basic theory and the practical application of nuclear medicine techniques to medicine. Lectures, 2 hours a week.

MT 415, 416. **Clinical Biochemistry.** 3 hours fall, 3 hours winter.

The principles of biochemistry and the applications of colorimetry; gasometric analysis, and quantitative chemistry in the determination of substances in blood and body fluids. Fall: Lectures, 3 hours a week. Winter: 3 hours a week.

MT 417, 418. **Hematology.** 2 hours fall, 3 hours winter.

The normal function and development of blood cells, basic pathophysiology of hematologic diseases, laboratory procedures pertaining to hematology and their correlation with various disease states. Fall: Lectures, 2 hours a week. Winter: Lectures, 3 hours a week.

MT 419. **Immunohematology.** 3 hours spring.

The principles of immunohematology as applied to blood banking with special emphasis upon blood groups and types, and techniques demonstrating antigen-antibody reactions; donor collection, processing and storage and hazards of transfusions; blood components; medical-legal aspects. Lectures, 2 hours a week.

ALLIED HEALTH

MT 420. Clinical Immunology and Serology. 3 hours fall.

Basic principles of immune response. 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, 3 hours a week.

MT 421. Clinical Parasitology. 2 hours spring.

The life cycles, modes of transmission and diagnostic features of the more common parasites of man. Lectures, 2 hours a week.

MT 422, 423, 424. Medical Laboratory Technique. 7 hours fall and winter, 8 hours spring.

Theory, demonstrations and practice of medical laboratory technique pertaining to the fields of clinical bacteriology, urinalysis, hematology, clinical biochemistry, nuclear medicine, clinical parasitology, immunohematology and clinical immunology and serology. Fall and winter, 21 hours per week; spring, 24 hours per week.

MT 428. Electronics and Instrumentation for Medical Technologists. 2 hours spring.

Illustrated lectures on the functions and principles pertaining to laboratory instrumentation. Lectures, 2 hours a week.

Elective Courses

MT 407. Seminar. 2 hours.

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

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

MT 507. Seminar. Any term, hours to be arranged.

MT 510. Clinical Chemistry Methodology. 2 hours, term to be arranged.

Discussion and lectures dealing with the principles of various analytic methods used in clinical chemistry.

MT 511. Clinical Chemistry Instrumentation. 2 hours, term to be arranged.

Lectures, discussion and demonstrations of operating principles of instruments used in clinical chemistry.

MT 514. Introduction to Teaching Methods and Techniques for Medical and Allied Health Science Education. 2 hours, term to be arranged.

Lectures, discussion and application of current concepts of curriculum construction, teaching techniques and methods of evaluation.

MT 516. Clinical Microbiology. 1 hour, any term.

Laboratory rounds with demonstrations of microscopic preparation, cultures and biochemical reactions of organisms. Presentations of clinical and microbiological data of interesting cases. Discussion of methods—the scientific principles involved—relevance of results of the diagnosis of infectious diseases.

MT 520. Advanced Nuclear Medicine Techniques. Any term, hours to be arranged.

Conferences and demonstrations concerned with theory, methodology and clinical interpretation of special nuclear medicine procedures.

MT 521. Nuclear Medicine Laboratory. Any term, hours to be arranged.

Laboratory experience with instruments used in nuclear medicine.

MT 522. Advanced Nuclear Medicine Laboratory. Any term, hours to be arranged.

Laboratory experience with special nuclear medicine techniques and instrumentation.

Faculty

John P. Atchison, Ph.D., Associate Professor of Clinical Pathology (1969).
B.A. (1957), British Columbia; Ph.D., (1969), California.

Mary Elizabeth Baptist, B.A., Assistant Professor of Medical Technology; Educational Coordinator (1950).
B.A. (1944), Montana; M.T.(ASCP) (1946).

MEDICAL TECHNOLOGY

- Margaret E. Berroth**, M.D., Associate Professor of Clinical Pathology; Director of Educational Programs (1966).
Abitur (1947), Greifswald Lyceum; M.D. (1954), Heidelberg.
- James L. Bramhall**, M.B., Clinical Professor of Clinical Pathology (1962).
M.B., Ch.B., (1951), Victoria University of Manchester Medical School, England.
- Jess E. Bumgardner**, Ph.D., Instructor (Veterans Hospital) (1973).
B.A. (1949), Pacific Lutheran; M.S. (1952), Purdue; Ph.D. (1956), Washington State.
- Patricia A. Chadwick**, M.S.T., Senior Instructor in Medical Technology (1966).
B.S. (1950), Massachusetts; M.T.(ASCP) (1957); S.,M.(ASCP) (1967); M.S.T. (1973), Portland State.
- Marian Thomas Ewell**, B.S., Senior Instructor in Medical Technology (1969).
B.S. (1964), Southern Oregon; M.T.(ASCP) (1965); S.,B.B.(ASCP) (1969).
- James E. Haines**, M.D., Associate Professor of Clinical Pathology (1966).
B.S. (1950), M.D. (1955), Stanford.
- Martha L. Hamilton**, M.D., Professor of Clinical Pathology (1957).
B.S. (1945), Texas Wesleyan; M.D. (1952), Texas.
- Tyra T. Hutchens**, M.D., Professor of Clinical Pathology; Chairman of Department (1953).
B.S. (1943), M.D. (1945), Oregon.
- J. Priscilla Kilbourn**, Ph.D., Instructor (Veterans Hospital) (1973).
B.S. (1958), M.S. (1960), Oregon; Ph.D. (1963), Oregon State.
- Kenneth S. W. Kim**, Ph.D., Assistant Professor of Clinical Pathology (1972).
B.A. (1953), Hawaii; M.S. (1960), Ph.D. (1964), University of Washington.
- John D. Koontz**, B.S., Assistant Professor of Clinical Pathology (1963).
B.S. (1954), Oregon; M.T.(ASCP) (1952).
- Victor C. Marquardt, Jr.**, M.D., Professor of Clinical Pathology; Director of Clinical Laboratories; Chief of Clinical Pathologic Services, Hospitals and Clinics (1964).
B.A. (1953), Wesleyan; M.D. (1957), Nebraska.
- Robert Morris**, B.S., Instructor in Clinical Pathology (1973).
B.S. (1964), Portland State.
- Rose M. Parker**, A.R.T., Senior Instructor in Medical Technology (1967).
R.T. (1959), Canada; A.R.T.(Hema) (1964), Canada.
- Abdel L. Rashad**, M.D., Ph.D., Associate Professor of Clinical Pathology (1969).
M.D. (1959), Cairo, Egypt; Ph.D. (1966), University of Washington.
- Harry Shaich**, M.S., Assistant Clinical Professor of Clinical Pathology (1973).
B.E.E. (1948), Cornell; M.S. (1958), New York State; M.S. (1962), Columbia.
- Kirtikant V. Sheth**, M.B.B.S., Assistant Professor of Clinical Pathology (1971).
M.B.B.S. (1966), Bombay, India.
- J. Robert Swanson**, Ph.D., Associate Professor of Clinical Pathology (1969).
B.S. (1961), Colorado; Ph.D. (1965), Washington State.
- Richard Thompson**, M.D., Clinical Professor of Clinical Pathology (1968).
A.B. (1920), Oregon; M.D. (1924), Columbia.
- James A. Wilkinson**, B.S., Senior Instructor in Medical Technology (1966).
B.S. (1962), Oregon; M.T.(ASCP) (1963).

Assistants to Educational Coordinator

- Mary C. Campbell**, B.A., Mycology Technique.
B.A. (1944), Vassar.
- Betty M. Carlson**, B.S., Clinical Hematology Technique.
B.S. (1945), Hamline; M.T.(ASCP) (1945).
- Dorothy B. Chambers**, B.S., Specimen Collection Technique.
B.S. (1958), Marylhurst; M.T.(ASCP) (1949).
- Claudia L. Dudley**, B.S., Laboratory Office Procedure.
B.S. (1958), Oregon; M.T.(ASCP) (1959); S.,C.(ASCP) (1966).
- Irene R. Engeldinger**, B.S., Radiobioassay Technique.
B.S. (1944), Marylhurst; M.T.(ASCP) (1948).
- Naney P. Fraser**, M.S., Immunohematology Technique.
B.S. (1964), Wesleyan; M.S. (1969), Ohio State; M.T.(ASCP) (1965); S.,B.B.(ASCP) (1970).
- Steven Goodstein**, B.A.
B.A. (1966), San Jose State; M.T.(ASCP) (1967).
- Allan R. Kimmey**, B.S., Clinical Chemistry Technique.
B.S. (1963), Oregon; M.T.(ASCP) (1964).
- Wallace H. Matsumura**, B.A., Clinical Serology Technique.
B.A. (1952), Hawaii; M.T.(ASCP) (1955).
- Sandra L. Reed**, B.A., Clinical Hematology Technique.
B.A. (1961), Maine; M.T.(ASCP) (1962).
- J. William Rourke, Jr.**, M.S., Clinical Microbiology Technique.
B.S. (1967), George Fox; M.T.(ASCP) (1967); M.S. (1973), Oregon.
- Allen C. Ryman**, B.S., Emergency Laboratory Procedure.
B.S. (1963), Oregon; M.T.(ASCP) (1963).
- Harry Seto**, B.S., Nuclear Medicine Technique.
B.S. (1955), Oregon; M.T.(ASCP) (1956); N.M.(ASCP) (1964).
- J. Edgar Wakayama**, M.S., Clinical Chemistry Technique.
B.A. (1967), Northeastern; M.T.(ASCP) (1967); M.S. (1973), Oregon.

Cytotechnology

Peter J. Dawson, Director

A twelve-month course in cytotechnology leading to A.S.C.P. certification as a cytotechnologist, is offered by the Medical School's department of pathology to students with a minimum of two years (60 semester or 90 quarter hours) of credit from an accredited college or university. Twelve semester or 18 quarter hours in biology must be included. Students accepted into the program, which is conducted in the cytology laboratories of the University of Oregon Medical School, begin on September 1 of each year. No tuition is charged. The program is approved by the Council on Medical Education of the American Medical Association and Board of Schools, American Society of Clinical Pathologists.

Hospital Dietetics

Ruth L. Mercer, Director

The program 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, including the academic requirements of the American Dietetic Association.

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 \$200 per month.

Appointments are made once a year; applications should be submitted to the Director of Dietetics, University of Oregon Medical School Hospitals and Clinics, not later than March 1.

Nuclear Medicine Technology

James E. Haines, Director

The department of clinical pathology offers a twelve-month traineeship in nuclear medicine technology. Prerequisites are a baccalaureate degree from an accredited college or university and certification by the ASCP Board of Registry as a medical technologist, MT (ASCP). The nuclear medicine technology program starts early in September. No tuition is charged.

Trainees assist with performance of procedures in the nuclear medicine division of the department of clinical pathology and receive an appropriate stipend. In addition to nuclear medicine technology experience, trainees attend lectures and conferences in radiation physics, radiobiology, anatomy, and nuclear medicine. They also assist with the instruction of students in the AMA-approved medical technology program during their nuclear medicine technology laboratory rotation.

Trainees completing the traineeship are eligible to take the national nuclear medicine technology examination given by the ASCP Board of Registry and which leads to certification as a nuclear medicine technologist, NM (ASCP).

Orthoptics

Kenneth C. Swan, Director

Donna Minamoto, Educational Coordinator

Orthoptists assist ophthalmologists in the evaluation and management of abnormalities in vision and binocular coordination.

The department of ophthalmology offers a one-year preceptorship in orthoptics approved by the American Orthoptic Council. Prerequisites are at least two years' credit from an accredited college or university and completion of the basic course in orthoptics sponsored each summer by the American Orthoptic Council. Students enter the preceptorship in September. Application should be made to the department of ophthalmology by the first of March. No tuition is charged and students are assisted in applications for scholarships.

Upon completion of the program, students are qualified to take a national examination given by the American Orthoptic Council leading to certification as an orthoptist.

Radiation Therapy Technology

William T. Moss, Director

The department of radiation therapy offers a one-year training program in radiation therapy technology approved by the American Medical Association in collaboration with the Subcommittee on Technologic Affairs of the American College of Radiology. The minimum admission requirement is certification as a radiologic technologist (RT) or registered nurse (RN). Applications are considered once a year and must be submitted before October 1. The program begins on October 15. No tuition is charged. Each trainee receives a stipend of \$250 per month and must furnish his own uniform and books.

The program includes clinical experience in radiation therapy technology as well as lectures in radiation physics, radiobiology, anatomy, pathology, and radiation therapy.

Students completing the program are required to take the national examination given by the American Registry of Radiologic Technologists leading to certification as a radiation therapy technologist, RT(T).

Radiologic Technology

Charles T. Dotter, Director

Betty L. Palmer, Educational Coordinator

OTHER INSTRUCTIONAL PROGRAMS

The Department of Radiologic Diagnosis of the University of Oregon Medical School participates in a 30-month course of training for radiologic technologists given in association with Portland Community College. The course is approved by the Council on Medical Education and Hospitals of the American Medical Association and by the American Registry of Radiologic Technologists. Graduates of the course receive an Associate Arts degree in Applied Science, and are eligible to take the examination required by the American Registry of Radiologic Technologists for certification as Registered Radiologic Technologists.

Candidates for admission must be 18 years old and high school graduates (or the equivalent). Students with college credits are given preference. Preference is also given to applicants with physics, chemistry, biology and geometry. One year of high school algebra or one term of college algebra is required. An application, school transcripts, personal references and a personal interview must be completed before the applicant will be considered for admission.

Tuition (approximately \$900 for ten terms) is payable to Portland Community College on a per-term basis. The course in radiologic technology includes approximately 700 hours of classroom work and 3000 hours of hospital clinical training. At the Medical School, clinical instruction is under the supervision of the Chief Technologist and members of the technical staff of the Department of Radiologic Diagnosis. The physician who chairs this department, and members of his medical staff also participate.

The curriculum includes courses in anatomy and physiology, radiation physics, medical terminology, ethics, radiographic technique, film and processing, radiation protection, nursing procedures, radiographic positioning, radiation therapy and nuclear medicine, special procedures, radiographic instrumentation, pediatric radiography, departmental management and radiographic film critique. Other subjects include courses that complement the curriculum for the Associate Arts degree in Applied Science. Students are admitted annually in September. Applications will be accepted December 1 through March 1. Selection will be completed by April 1; all applications should be submitted to Portland Community College, Radiologic Technology Program, 12000 S.W. 49th Avenue, Portland, Oregon 97219.

Scholarships and Loans

Scholarships and loans are available for students in several of the allied health programs. Consult the respective program directors for details.

Continuing Medical Education

Physicians are motivated to pursue the scholarly habit of life-long learning because of their desire to provide the best possible care for patients. There are five basic ways these goals are achieved.

- a. The daily acquisition of new knowledge by reading carefully selected textbooks and periodicals.
- b. Frequent consultation with peers.
- c. Active participation in community hospital medical staff programs such as medical record audits and clinical pathologic conferences.

- d. Attending educational programs sponsored by learned professional societies such as the American Academy of General Practice and the American College of Physicians.
- e. Attending short postgraduate courses produced by medical schools, voluntary health agencies and hospitals.

In order to help the physician achieve this last objective, the Medical School makes its teaching and clinical facilities available 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, demonstrations, conferences, discussion groups, and patient presentations.

A 13-stop circuit program is presented in Oregon, for physicians in communities outside of the Portland area.

Enrollment for any courses is open to physicians who are licensed to practice in their state of residence.

Graduate Studies

(See also Graduate Catalog)

The University of Oregon Medical School offers graduate programs in the basic medical sciences, leading to the Master of Science and Doctor of Philosophy degrees; the degrees are conferred by the University of Oregon upon recommendation of the faculty of the Medical School. A combined program leading to both medical and basic science graduate degrees is also available for selected medical students. Work leading to the Master of Science or Doctor of Philosophy degree is offered in anatomy, biochemistry, medical psychology, microbiology, pathology, pharmacology, and physiology. The master's degree is offered in medical technology also. Programs of graduate study leading to the degree of Master of Science in Nursing Education and Master of Nursing are offered by the University of Oregon School of Nursing. See page 86.

Complete details concerning study toward the degree of Master of Science and Doctor of Philosophy are incorporated into a separate bulletin entitled *Graduate Studies Program*. This bulletin is available from the Office of the Registrar.

Combined Program Leading to the M.D. and a Graduate Degree

The Medical School offers a special five-year program of study for students wishing to work toward the Master of Science degree while completing the regular curriculum in medicine. This combined program of graduate-medical study is open only to students who plan to spend five years in residence at the Medical School. Required graduate major credit is earned in a major department of graduate study. Medical credits are granted for basic science courses in the medical curriculum. Medical students wishing to enter this program must be accepted as graduate students by the Graduate Council and the Dean.

To provide training for those medical students who wish to prepare themselves more completely for careers as physician-scientists, a program leading to the combined M.D. and Ph.D. degrees has recently been approved and activated. This course of training may require a total time span of seven years of post-baccalau-

OTHER INSTRUCTIONAL PROGRAMS

reate study. It affords opportunity for advanced coursework in the fundamental sciences of mathematics, physics and chemistry, and for advanced coursework in the basic medical sciences that cannot be incorporated into the M.D.-M.S. program. Candidates for the Doctor of Philosophy degree who have already earned the Doctor of Medicine degree may apply a maximum of 45 term hours of credit (one academic year) in the basic medical sciences toward the advanced degree.

Internship and Residency Programs

The internship programs of the University of Oregon Medical School Hospitals and Clinics are approved by the Council on Medical Education and Hospitals of the American Medical Association. Appointments are made through the National Internship Intern-Resident Matching Program. All internship programs are twelve months in length and include a rotating-2 internship with 24 positions, a rotating-3 internship with four positions, a straight internship in medicine with 14 positions, and four straight medical psychology internships. All patients in the hospitals and clinics are house cases and are under the personal care of an intern, who is responsible to the resident and attending faculty member responsible for the service. Internship appointments are effective June 26.

Resident-0 positions are available in anatomical pathology (two positions), psychiatry (four positions), pediatrics (seven positions) and family practice (eight positions). (These appointments are also made available through the National Intern-Resident Matching 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 270 appointments. Residency training consists of three to five years of study devoted entirely to one specialized field of medicine. Instruction is given 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, cardiopulmonary surgery, child psychiatry, clinical pathology, dermatology, family practice, internal medicine, medical psychology, neurological surgery, neurology, obstetrics and gynecology, ophthalmology, orthopedics, otolaryngology, pathology (anatomical), pediatrics, psychiatry, radiologic diagnosis, radiation therapy, general surgery, urology.

The following Portland hospitals cooperate with the Medical School in the residency programs: Emanuel Hospital, St. Vincent Hospital, Shriner's Hospital for Crippled Children, Good Samaritan Hospital, and Veterans Hospital.

Applications should be made to the chairman of the department concerned. Appointments are made six to eight months in advance of the beginning of the residency period, July 15.

School of Nursing

(See also School of Nursing Catalog)

The University of Oregon School of Nursing, located on the campus of the University of Oregon Medical School, Portland, offers three programs: the Bachelor

SCHOOL OF NURSING

of Science degree, the Master of Science in Nursing Education and the Master of Nursing.

The Bachelor of Science degree is designed for two kinds of students: the student with no previous preparation in nursing, and the registered nurse who is a graduate of a hospital or community college school of nursing.

For the student nurse with no previous preparation in nursing:

The program is four years of baccalaureate study. The program and curriculum objectives reflect the philosophy of professional nursing and basic education. The University of Oregon School of Nursing prepares students to become professional nurses who perform as direct practitioners in hospitals, public health agencies, and in communities; who assume responsibility and accountability for activities influencing health needs of society; who provide leadership for other health personnel; and who have foundations for advanced study in teaching, supervision, administration, consultation or clinical nursing expertise. Candidates for the baccalaureate degree are admitted at sophomore standing having completed one year of freshman prenursing studies in an accredited college or university, or at a community college. Nine terms are completed on the clinical campus in Portland.

Students receive courses in theory and clinical experience in all basic areas of nursing—medical, surgical, obstetrical, pediatric, psychiatric, and community health nursing. The program's educational resources on campus are: The University of Oregon Medical School Hospital including Doernbecher Memorial Hospital for Children, University Hospital North, the Outpatient Clinic, the Crippled Children's Division with the university-affiliated Child Development and Rehabilitation Center. The extended campus facilities that provide additional clinical experiences are: The Visiting Nurse Association; Dammasch Hospital, Wilsonville; Bess Kaiser Hospital; St. Vincent Hospital and Medical Center; Clackamas, Marion and Multnomah County Health Departments; Physicians and Surgeons Hospital; Good Samaritan Hospital, and the U.S. Veterans Hospital, as well as many private, public and voluntary community health agencies and selected physicians' offices. Portland State University provides resources for liberal arts electives.

For the registered nurse student:

Program planning for registered nurses is based on the philosophy of baccalaureate education in the School. The belief that preparation of the professional nurse appropriately belongs with baccalaureate education has afforded development of a curriculum consistent with the aims of general education and goals of nursing education. Registered nurses desirous of completing a baccalaureate degree are expected to fulfill the requirements for admission and graduation. Academic counseling provides the registered nurse students assistance in assessing their previous educational foundation as the basis for program planning to meet the Bachelor of Science requirements.

Registered nurses seeking admission to complete a baccalaureate degree request an application for admission when freshman year prerequisites have been met. Evaluation by the Registrar and the Admissions Committee of their general and nursing education background obtained at any accredited institution of higher learning, or community college, together with any successful achievement in credit by examination in lower division, or transferable technical or other credits such as C.L.E.P. determines acceptance into program. Placement in program is contingent upon satisfactory completion of lower division program requirements prior to upper division standing in the nursing major. Information regarding C.L.E.P. examination is available in the Registrar's Office of all colleges and universities.

OTHER INSTRUCTIONAL PROGRAMS

Upon acceptance into the School, full-time and part-time study programs can be planned to meet individual program needs of the candidate particularly related to completing basic sciences, non-nursing and minor nursing requirements.

After admission, students may request to take Challenge Examinations in the undergraduate nursing courses at the freshman and sophomore levels.

Master of Science in Nursing Education and Master of Nursing :

The masters' program, designed to focus on nursing as a professional discipline beyond the baccalaureate level, requires both intensive exploration into an area of specialization and extensive experience within a chosen area. Graduate education leading to a Master of Nursing emphasizes development of advanced clinical expertise together with research competency, while providing a foundation for further academic or educational experiences. The curriculum of the Master of Nursing provides preparation in clinical nursing specialty areas of medical-surgical or psychiatric-mental health nursing. The Master of Science in Nursing Education also provides opportunities for advanced clinical preparation in a specialized area in nursing. The functional area of teaching is available. This program is now under review for revision.

The programs are available to qualified registered nurses who have a baccalaureate degree from a National League of Nursing accredited institution of higher learning with an upper division major in nursing, including Community Health Nursing. A catalog containing detailed information about the programs of the School of Nursing and how to apply may be obtained by writing to the Dean, University of Oregon School of Nursing, Portland 97201. .



6

MEDICAL
SCHOOL
FACULTY

MEDICAL SCHOOL FACULTY

Emeritus Faculty

- Clifford V. Allen, M.D.**, Professor Emeritus of Radiation Therapy.
M.D. (1933), Iowa.
- Carl G. Ashley, M.D.**, Professor Emeritus of Pediatrics.
B.A. (1927), M.D. (1931), Oregon.
- Roderick E. Begg, M.D.**, Associate Professor Emeritus of Orthopedics.
B.S. (1924), Oregon State; M.D. (1937), Oregon.
- Harry C. Blair, M.D.**, Professor Emeritus of Orthopedics.
M.D. (1915), Oregon.
- Isidor C. Brill, M.D.**, Professor Emeritus of Medicine.
B.A. (1912), M.D. (1914), Columbia.
- C. Elmer Carlson, M.D.**, Professor Emeritus of Orthopedics.
A.B. (1917), Reed; M.D. (1920), Oregon.
- John G. P. Cleland, M.D.**, Professor Emeritus of Obstetrics and Gynecology.
M.D., C.M. (1924), M.S. (1926), McGill.
- A. J. Clemons**, Professor Emeritus.
- Charles W. Coffen, M.D.**, Associate Professor Emeritus of Medicine.
B.S. (1932), Stanford; M.D. (1936), Johns Hopkins.
- William S. Conklin, M.D.**, Professor Emeritus of Cardiorespiratory Surgery.
A.B. (1931), Dartmouth; M.D. (1934), Pennsylvania.
- Norman A. David, M.D.**, Professor Emeritus of Pharmacology.
A.B. (1925), M.D. (1931), California.
- Aubrey M. Davis, M.D.**, Associate Professor Emeritus of Medicine.
B.A. (1927), Stanford; M.D. (1929), Oregon.
- Joe B. Davis, M.D.**, Professor Emeritus of Orthopedics.
B.A. (1930), Willamette; M.D. (1934), Oregon.
- Hilda E. Drum**, Professor Emeritus of Radiologic Technic.
- Rudolf C. H. Engel, M.D.**, Professor Emeritus of Pediatrics.
M.D. (1929), Bonn (Germany); M.S., M.D. (1949), Minnesota.
- Everill W. Fowles, M.D.**, Professor Emeritus of Physical Medicine and Rehabilitation.
B.A. (1930), M.A. (1931), Utah; M.D. (1935), Colorado.
- Bertha B. Hallam, B.A.**, Professor Emeritus, Library.
B.A. (1931), Oregon.
- Hance F. Haney, M.D., Ph.D.**, Professor Emeritus of Medicine.
B.A. (1926), M.A. (1928), Ph.D. (1934), Wisconsin; M.D. (1934), Chicago.
- Blair Holcomb, M.D.**, Professor Emeritus of Medicine.
M.D. (1919), Rush (University of Chicago).
- Sheldon A. Jacobson, M.D.**, Professor Emeritus of Pathology.
A.B. (1922), College of City of New York; M.D. (1928), Yale.
- Arthur C. Jones, M.D.**, Professor Emeritus of Physical Medicine and Rehabilitation.
B.A. (1921), Pacific University; M.A. (1925), M.D. (1926), Oregon.
- Noble Wiley Jones, M.D.**, Professor Emeritus of Medicine.
A.B. (1895), Stanford; M.D. (1901), Rush (University of Chicago).
- A. Gurney Kimberley, M.D.**, Associate Professor Emeritus of Orthopedics.
B.S. (1929), M.D. (1930), Oregon; D.Sc. (1937), Columbia.
- Howard P. Lewis, M.D.**, Professor Emeritus of Medicine.
B.S. (1924), Oregon State; M.D. (1930), Oregon.
- Herold S. Lillywhite, Ph.D.**, Professor Emeritus of Speech Pathology.
B.S. (1932), Utah State; M.A. (1939), Minnesota; Ph.D. (1943), New York University.
- Merl L. Margason, M.D.**, Professor Emeritus of Medicine.
A.B. (1920), M.D. (1923), Oregon.
- Merle W. Moore, M.D.**, Professor Emeritus of Medicine.
B.S. (1920), Oregon; M.D. (1924), Jefferson.
- Anthony A. Pearson, Ph.D.**, Professor Emeritus of Anatomy.
B.S. (1928), Furman; M.A. (1930), Ph.D. (1933), Michigan.
- Caroline H. Pommarane, B.S.**, Associate Professor Emeritus.
B.S. (1928), Nebraska.
- George Saslow, M.D., Ph.D.**, Professor Emeritus of Psychiatry.
Sc.B. (1926), Ph.D. (1931), New York; M.D. (1940), Harvard.
- William H. Sheldon, M.D., Ph.D.**, Professor Emeritus of Medicine.
B.A. (1919), Brown; M.A. (1923), Colorado; Ph.D. (1925), M.D. (1933), Chicago.
- James T. Speros, M.D.**, Professor Emeritus of Medicine.
B.A. (1931), M.D. (1934), Oregon; M.P.H. (1941), Johns Hopkins.
- Howard C. Stearns, M.D.**, Professor Emeritus of Obstetrics and Gynecology.
B.S. (1924), M.S. (1925), Oregon State; M.D. (1929), Oregon.
- William J. Swett, M.D.**, Associate Professor Emeritus of Medicine.
B.A. (1928), Reed; M.D. (1932), Oregon.

FACULTY

David K. Taylor, M.D., Professor Emeritus of Medicine.

B.A. (1929), College of Idaho; M.D. (1940), Oregon.

Wilbert R. Todd, Ph.D., Professor Emeritus of Biochemistry.

B.S. (1928), Ph.D. (1933), Wisconsin.

Franklin J. Underwood, M.D., Professor Emeritus of Medicine.

M.D. (1933), Harvard.

Lyle Veazie, Ph.D., Professor Emeritus of Microbiology and Immunology.

B.A. (1928), M.A. (1930), Ph.D. (1947), Oregon.

Edward S. West, Ph.D., Professor Emeritus of Biochemistry.

A.B. (1917), Randolph-Macon; M.S. (1920), Kansas State; Ph.D. (1923), Chicago.

Charles P. Wilson, M.D., Professor Emeritus of Medicine.

A.B. (1920), Reed; M.D. (1924), Johns Hopkins.

William M. Wilson, M.D., Professor Emeritus of Obstetrics and Gynecology.

B.S. (1920), Whitman; M.D. (1924), Johns Hopkins.

MEDICAL SCHOOL FACULTY

*Faculty**

- †John E. Abbott, M.D., Clinical Instructor in Family Practice (1971).
B.A. (1960), B.S.Med. (1962), South Dakota; M.D. (1964), Oregon.
- †John F. Abele, M.D., Assistant Clinical Professor of Orthopedics (1946).
B.A. (1930), M.D. (1934), Oregon.
- †Stanley Abrams, Ph.D., Lecturer in Medical Psychology (1969).
B.A. (1956), Wilkes; M.A. (1957), Ph.D. (1961), Temple.
- †John C. Adams, M.D., Clinical Professor of Surgery (1932).
B.S. (1922), University of Washington; M.D. (1926), Oregon.
- Joseph J. Adams, B.B.A., Assistant Dean; Professor (1951).
B.B.A. (1949), Gonzaga.
- †Aftab Ahmad, M.B.B.S., Assistant Clinical Professor of Cardiopulmonary Surgery (1974).
M.B.B.S. (1958), M.S. (1961), Darbhanga (India).
- †Masud Ahmad, M.B.B.S., Clinical Instructor in Medicine (1974).
M.B.B.S. (1966), Nishtar (Pakistan).
- John P. Aitchison, Ph.D., Associate Professor of Clinical Pathology (1969).
B.A. (1957), British Columbia; Ph.D. (1969), California.
- †Bennett Alberts, M.D., Clinical Instructor in Obstetrics and Gynecology (1969).
M.D. (1960), Nebraska.
- †Phillip S. Alberts, M.D., Clinical Instructor in Obstetrics and Gynecology (1964).
B.A. (1953), M.D. (1958), Nebraska.
- †Lee Allen, M.D., Assistant Clinical Professor of Dermatology (1971).
M.D. (1965), Tennessee.
- †Richard Allen, M.D., Clinical Instructor in Obstetrics and Gynecology (1970).
B.A. (1958), Oregon; M.A. (1961), U.C.L.A.; M.D. (1965), New York Medical College.
- †Roger D. Ambrosion, M.D., Clinical Instructor in Family Practice (1972).
B.A. (1952), Iowa; B.S., M.D. (1963), Minnesota.
- Mary J. Amdall, M.S., Instructor in Psychiatry and Pediatrics (1970).
B.S.N. (1968), South Dakota State; M.S. (1970), Maryland.
- †Alan W. Ames, M.D., Assistant Clinical Professor of Medicine (1968).
B.A. (1956), Stanford; M.D. (1960), Yale.
- †Patricia G. Amstadter, M.D., Clinical Instructor in Psychiatry (Child Psychiatry) (1969).
B.A. (1959), Occidental; M.D. (1963), Northwestern.
- Daryl Anderson, Ph.D., Assistant Professor of Speech Pathology (1973).
B.S. (1965), M.S. (1969), Portland State; Ph.D. (1973), University of Washington.
- †Howard Anderson, M.D., Clinical Instructor in Dermatology (1973).
B.A. (1962), Stanford; M.D. (1966), U.C.L.A.
- †William F. Anderson, M.D., Clinical Instructor in Dermatology (1970).
B.A. (1956), Pacific Lutheran; M.D. (1960), University of Washington.
- †Richard P. Andrews, M.D., Assistant Clinical Professor of Surgery (1963).
B.S. (1949), Denison; M.D. (1953), Harvard.
- †John Antonovic, M.D., Clinical Instructor in Medicine (1971).
M.D. (1961), Zagreb (Yugoslavia).
- Ruza Antonovic, M.D., Assistant Professor of Radiology (Diagnosis) (1972).
M.D. (1961), Zagreb (Yugoslavia).
- †Richard Arkless, M.D., Assistant Clinical Professor of Radiology (Diagnosis) (1970).
B.A. (1957), Kenyon; M.D. (1962), Pennsylvania.
- †Dennis D. Asby, M.D., Clinical Instructor in Medicine (1974).
B.A. (1963), Grinnell; M.D. (1967), Iowa.
- †Dee D. Atkinson, M.D., Clinical Instructor in Family Practice (1972).
B.S. (1960), Oregon State; M.D. (1962), Oregon.
- †Kurt W. Aumann, M.D., Associate Clinical Professor of Medicine (1948).
B.S. (1936), Washington State; M.A. (1940), M.D. (1942), Oregon.
- †William C. Awe, M.D., Associate Clinical Professor of Surgery (1966).
B.S. (1955), M.D. (1958), Baylor.
- S. Gorham Babson, M.D., Professor of Pediatrics (1941).
B.S. (1933), M.D. (1936), Oregon.
- †Benny Lee Bachulis, M.D., Clinical Instructor in Surgery (1968).
B.S. (1956), M.D. (1960), Ohio.
- Robert L. Bacon, Ph.D., Professor of Anatomy (1955).
B.S. (1940), Hamilton; Ph.D. (1944), Yale.

* The year in parentheses following the title of each faculty member indicates the date of original appointment to the faculty.

† Volunteer.

FACULTY

- †**Daniel M. Baer, M.D.**, Associate Clinical Professor of Clinical Pathology (1970).
B.A. (1953), Oberlin; M.D. (1957), New York Medical College.
- †**William B. Baer, M.D.**, Clinical Instructor in Ophthalmology (1973).
B.A. (1961), M.D., M.S. (1965), Louisville.
- †**Paul Bailey, M.D.**, Clinical Professor of Otolaryngology (1929).
M.D. (1925), Oregon.
- †**Paul F. Bailey, M.D.**, Assistant Clinical Professor of Ophthalmology (1958).
B.S. (1951), Oregon State; M.D. (1953), Oregon.
- Michael D. Baird, M.D.**, Medical Director and Administrator of Hospitals and Clinics; Professor of Medicine (1961).
B.S. (1954), Reed; M.S., M.D. (1957), Oregon.
- †**Harvey W. Baker, M.D.**, Clinical Professor of Surgery (1953).
B.A. (1939), Cornell; M.D. (1943), Columbia.
- †**James W. Baker, M.D.**, Clinical Instructor in Pediatrics (1974).
B.A. (1966), University of Washington; M.D. (1970), Wisconsin.
- †**Russel L. Baker, M.D.**, Assistant Clinical Professor of Neurology (1968).
A.B. (1930), M.D. (1934), Oregon.
- †**Joseph W. Ball, M.D.**, Clinical Instructor in Psychiatry (1970).
B.S. (1954), Santa Clara; M.D. (1958), Oregon.
- †**Cameron C. Bangs, M.D.**, Clinical Instructor in Medicine (1968).
B.S. (1960), Massachusetts; M.D. (1964), Vermont.
- Mary Elizabeth Baptist, B.A.**, Assistant Professor of Clinical Pathology (Medical Technology) (1950).
B.A. (1944), Montana.
- Emil J. Bardana, Jr., M.D.**, Assistant Professor of Medicine (1967).
B.S. (1957), Georgetown; M.D., C.M. (1961), McGill.
- †**John M. Barry, M.D.**, Assistant Professor of Urology (1973).
B.A. (1961), M.D. (1965), Minnesota.
- †**William A. Bartlett, M.D.**, Clinical Instructor in Family Practice (1971).
B.A. (1955), M.D. (1958), Colorado.
- †**Murray H. Bartley, D.M.D., Ph.D.**, Associate Professor of Dentistry (1970).
D.M.D. (1958), Oregon; Ph.D. (1968), Utah.
- †**David M. Barton, M.D.**, Clinical Instructor in Continuing Medical Education (1970).
A.B. (1953), B.S. (1954), M.D. (1956), Illinois.
- †**George S. Barton, M.D.**, Assistant Clinical Professor of Neurology (1968).
B.A. (1955), Reed; M.D. (1956), Oregon.
- †**Michael S. Baskin, M.D.**, Senior Clinical Instructor in Orthopedics (1967).
M.D. (1961), University of Washington.
- †**John W. Bassett, M.D.**, Associate Clinical Professor of Surgery (1954).
B.S. (1943), Arkansas; M.D. (1944), Tulane.
- †**Jack E. Battalia, M.D.**, Senior Clinical Instructor in Surgery (1954).
B.A. (1945), Reed; M.D. (1946), Oregon.
- †**Peter J. Batten, M.D.**, Associate Clinical Professor of Public Health and Preventive Medicine (1963).
B.S. (1948), College of St. Thomas; M.S. (1950), Wayne State; M.D. (1956), Michigan; M.P.H. (1962), California.
- †**Edward J. Baum, Ph.D.**, Affiliate in Environmental Medicine (1972).
B.S. (1961), U.C.L.A.; Ph.D. (1965), California (Riverside).
- †**Frank J. Baumeister, Jr. M.D.**, Assistant Clinical Professor of Medicine (1970).
M.D. (1961), Miami.
- †**Samuel T. Beall, M.D.**, Associate Clinical Professor of Medicine (1954).
A.B. (1940), Whitman; M.D. (1950), Louisville.
- Rodney K. Beals, M.D.**, Professor of Orthopedics (1961).
B.A. (1953), Willamette; M.D. (1956), Oregon.
- Margaret E. Beard, Ph.D.**, Assistant Professor of Ophthalmology (1971).
B.A. (1963), Wellesley; M.S. (1965), Michigan; Ph.D. (1967), Einstein.
- †**G. Donald Beardsley, M.D.**, Associate Clinical Professor of Urology (1954).
B.A. (1945), M.D. (1947), Oregon.
- †**Clarissa H. Beatty, Ph.D.**, Associate Professor of Biochemistry (Primate Center) (1953).
B.A. (1941), Sarah Lawrence; M.S. (1942), Ph.D. (1945), Columbia.
- †**William S. Beck, M.D.**, Associate Clinical Professor of Medicine (1960).
B.S. (1949), M.D. (1952), Northwestern.
- †**Harry G. Beckwith, Jr., M.D.**, Associate Clinical Professor of Surgery (1953).
B.A. (1938), Reed; M.D. (1942), Oregon.
- †**Robert H. Bedrossian, M.D.**, Senior Clinical Instructor in Ophthalmology (1959).
A.B. (1946), Haverford; M.D. (1947), Temple; M.Sc. (1953), Pennsylvania.
- †**Charles S. Belknap, M.D.**, Clinical Instructor in Medicine (1969).
B.A. (1952), Yale; M.D. (1962), Oregon.
- †**James B. Bell, M.D.**, Assistant Clinical Professor of Neurology (1967).
B.A. (1959), Allegheny; M.D. (1963), Cornell.
- †**Mary Bell, Ph.D.**, Associate Professor of Experimental Biology and Dermatology (Primate Center) (1964).
A.B. (1958), Brown; Ph.D. (1965), Yale.
- Gerda Benda, M.D.**, Assistant Professor of Pediatrics (1971).
M.D. (1962), Tübingen.

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MEDICAL SCHOOL FACULTY

- †James S. Bennett, D.M.D., Associate Professor of Dentistry (1970).
B.A. (1952), Reed; D.M.D. (1958), M.S. (1961), Oregon.
- †Thomas T. Bennett, M.D., Associate Clinical Professor of Psychiatry (1963).
B.S. (1950), M.D. (1952), Oregon.
- William M. Bennett, M.D., Associate Professor of Medicine (1970).
B.S. (1960), M.D. (1963), Northwestern.
- John A. Benson, Jr., M.D., Professor of Medicine; Head of Division of Gastroenterology (1959).
B.A. (1943), Wesleyan; M.D. (1946), Harvard.
- Ralph C. Benson, M.D., Professor of Obstetrics and Gynecology; Chairman of Department (1956).
B.A. (1932), Lehigh; M.D. (1936), Johns Hopkins.
- †Frederick H. Bentley, M.D., Clinical Instructor in Surgery (1953).
B.Sc. (1926), M.B., Ch.B. (1929), M.D. (1946), Manchester (England); F.R.C.S. (1932), Royal College of Surgeons.
- J. Peter Bentley, Ph.D., Associate Professor of Biochemistry (1964).
B.Sc. (1952), Royal College of Technology (England); M.S. (1961), Ph.D. (1963), Oregon.
- †Arthur W. Berg, M.D., Associate Clinical Professor of Medicine (1953).
B.A. (1943), M.D. (1945), Oregon.
- †Richard F. Berg, M.D., Assistant Clinical Professor of Orthopedics (1935).
A.B. (1923), M.D. (1926), Oregon.
- †Lester Bergeron, M.D., Clinical Instructor in Otolaryngology (1971).
B.A. (1956), M.D. (1960), Oregon.
- Norman A. Bergman, M.D., Professor of Anesthesiology; Chairman of Department (1970).
B.A. (1949), Reed; M.D. (1951), Oregon.
- †Stanley F. Bergquist, M.D., Clinical Instructor in Cardiopulmonary Surgery (1956).
B.S. (Med) (1945), M.D. (1947), Illinois.
- †John O. Bergstrom, M.D., Clinical Instructor in Obstetrics and Gynecology (1970).
B.A. (1960), Willamette; M.D. (1964), Oregon.
- †Richard M. Bernard, M.D., Clinical Instructor in Family Practice (1971).
B.S. (1945), California (Berkeley); M.D. (1950), Chicago.
- †Walter C. Bernards, M.D., Associate Clinical Professor of Anesthesiology (1973).
B.S. (1957), University of Portland; M.D., M.S. (1960), Oregon.
- Margaret E. Berroth, M.D., Associate Professor of Clinical Pathology; Director of Educational Programs, Clinical Pathology (1966).
Abitur (1947), Greifswald Lyceum; M.D. (1954), Heidelberg.
- †John R. Berry, M.D., Clinical Instructor in Pediatrics (1963).
B.A. (1954), M.D. (1957), Stanford.
- †Robert A. Berselli, M.D., Clinical Instructor in Orthopedics (1972).
B.A. (1960), Columbia; M.D. (1964), Georgetown.
- †Siegfried R. Berthelsdorf, M.D., Associate Clinical Professor of Psychiatry (1957).
B.A. (1934), M.A., M.D. (1939), Oregon.
- †Luis G. Bianchini, M.D., Clinical Instructor in Family Practice (1971).
B.S. (1954), M.D. (1958), Kansas.
- †Fred W. Bieker, M.D., Assistant Clinical Professor of Surgery (1966).
B.S. (1956), M.D. (1958), Illinois.
- †John C. Bigelow, M.D., Assistant Clinical Professor of Cardiopulmonary Surgery (1966).
B.A. (1952), Washington State; M.D. (1959), University of Washington.
- Robert H. Bigley, M.D., Associate Professor of Medicine and Medical Genetics (1960).
B.S. (1951), University of Washington; M.D. (1953), Oregon.
- Marcia Kepler Bilbao, M.D., Professor of Radiology (Diagnosis) (1961).
B.S. (1952), Minnesota; M.D. (1957), Columbia.
- †Daniel K. Billmeyer, M.D., Clinical Professor of Pediatrics (1956).
B.S. (1943), M.D. (1946), Chicago.
- Charles Bird, M.D., Assistant Professor of Orthopedics (1972).
B.A. (1960), West Virginia; M.D. (1964), Pennsylvania.
- †Norman Birndorf, M.D., Clinical Instructor in Medicine (1972).
M.D. (1964), Illinois.
- †John David Bichel, M.D., Assistant Clinical Professor of Psychiatry (1969).
B.S. (1960), M.D. (1962), Oregon.
- †Theodore M. Bischoff, M.D., Assistant Clinical Professor of Obstetrics and Gynecology (1948).
B.A. (1937), Reed; M.D. (1939), Oregon.
- John M. Bissonnette, M.D., Associate Professor of Obstetrics and Gynecology (Perinatology) (1973).
B.A. (1960), Loyola (Montreal); M.D., C.M. (1964), McGill.
- Paul H. Blachly, M.D., Professor of Psychiatry (1961).
B.A. (1950), Reed; M.S., M.D. (1955), Oregon.
- John A. Black, Ph.D., Associate Professor of Biochemistry and Medical Genetics (1968).
B.S. (1961), Ph.D. (1964), Glasgow.
- †Harold Raymond Blair, M.B., Associate Clinical Professor of Pediatrics (1966).
M.B. (1958), Queen's University of Belfast (Ireland).

FACULTY

- Robert W. Blakeley**, Ph.D., Professor of Speech Pathology in Pediatrics; Professor, Crippled Children's Division (1959).
B.A. (1951), California; M.S. (1952), Oregon; Ph.D. (1958), Michigan.
- † **John A. Blanchard**, M.D., Senior Clinical Instructor in Medicine (1954).
B.S. (1941), Montana State; M.D. (1950), Oregon.
- Eugene Blank**, M.D., Associate Professor of Radiology (Diagnosis) and Pediatrics (1970).
B.A. (1948), M.D. (1954), Johns Hopkins.
- Mary Rose Blankevoort**, D.V.M., Instructor in Animal Care (1973).
D.V.M. (1973), Washington State.
- † **Roderick C. Blatchford**, M.D., Assistant Clinical Professor of Obstetrics and Gynecology (1938).
A.B. (1927), Willamette; M.D. (1933), Oregon.
- † **Philip E. Blatt**, M.D., Assistant Clinical Professor of Medicine (1954).
B.S. (1953), Davidson; M.D. (1957), Baylor.
- Lewis W. Bluemle, Jr.**, M.D., President, Health Sciences Center (1974).
B.S. (1943), M.D. (1946), Johns Hopkins.
- † **Jack B. Blumberg**, M.D., Senior Clinical Instructor in Surgery (1964).
A.B. (1952), M.D. (1956), Stanford.
- † **Howard I. Bobbitt**, J.D., Clinical Instructor in Public Health and Preventive Medicine (1972).
B.S. (1935), J.D. (1935), Oregon.
- † **Rose Mary Boczek**, Ph.D., Assistant Professor of Biochemistry (Primate Center) (1957).
B.S. (1946), Marylhurst; M.S. (1954), Ph.D. (1964), Oregon.
- † **John R. Boe**, M.D., Clinical Instructor in Family Practice (1971).
B.A. (1940), Iowa; M.D. (1956), Kansas.
- † **Henry L. Boehnke**, M.D., Associate Clinical Professor of Pediatrics (1962).
B.S. (1953), M.D. (1955), Oregon.
- † **C. Carter Boggs**, M.D., Clinical Instructor in Psychiatry (1970).
B.S. (1960), M.D. (1965), Oregon.
- † **Orville W. Boicourt**, M.D., Assistant Clinical Professor of Medicine (1965).
B.A. (1952), M.D. (1959), Kansas.
- † **Darrell C. Bollam**, M.D., Senior Clinical Instructor in Surgery (1937).
B.S. (1927), M.D. (1928), Oregon.
- † **Richard N. Bolton**, M.D., Assistant Clinical Professor of Obstetrics and Gynecology (1961).
B.S. (1951), Willamette; M.D. (1955), Oregon.
- † **Wilbur M. Bolton**, M.D., Assistant Clinical Professor of Otolaryngology (1929).
A.B. (1923), M.D. (1926), Oregon.
- Lawrence I. Bonchek**, M.D., Associate Professor of Cardiopulmonary Surgery (1971).
A.B. (1959), Yeshiva; M.D. (1963), Einstein.
- † **Benjamin H. Bonnlander**, M.D., Clinical Instructor in Medicine (1973).
B.Sc. (1953), McGill; M.S. (1954), Michigan; M.D. (1959), McGill; M.P.H. (1969), Johns Hopkins.
- † **Douglas R. Bottomly**, M.D., Associate Clinical Professor of Psychiatry (1968).
B.S. (1953), Carroll; M.D. (1957), St. Louis.
- Harold Boverman**, M.D., Professor of Psychiatry (Child Psychiatry) and Pediatrics (1968).
A.B. (1959), California; M.D. (1956), Chicago.
- † **Donald B. Bowman**, M.D., Clinical Instructor in Medicine (1964).
B.S. (1952), M.D. (1957), Oregon.
- Robert D. Boyd**, Ph.D., Professor, Crippled Children's Division; Professor of Medical Psychology (1964).
B.A. (1938), Linfield; M.A. (1941), Southern California; M.A. (1947), Ph.D. (1953), Michigan.
- † **Stanley A. Boyd**, M.D., Clinical Instructor in Family Practice (1967).
A.B. (1945), Willamette; M.D. (1949), Oregon.
- † **Allen M. Boyden**, M.D., Clinical Professor of Surgery (1946).
B.A. (1929), Oregon; M.D. (1932), M.S. (1937), Michigan.
- † **Thomas J. Boyden**, M.D., Senior Clinical Instructor in Orthopedics (1953).
B.A. (1944), M.D. (1946), Oregon.
- † **Donald E. Boyle**, M.D., Clinical Instructor in Family Practice (1967).
B.S. (1957), Capital; M.D. (1960), Cincinnati.
- † **George A. Boylston**, M.D., Associate Clinical Professor of Medicine (1946).
B.S. (1936), M.S. (1937), M.D. (1939), Northwestern.
- † **William J. Brady**, M.D., Associate Clinical Professor of Clinical Pathology and Assistant Professor of Pathology (1965).
B.S. (1953), Santa Clara; M.D. (1958), Oregon.
- † **James L. Bramhall**, M.B., Clinical Professor of Clinical Pathology (1962).
M.B., Ch.B. (1951), Victoria University of Manchester Medical School (England).
- † **Gatlin Brandon**, M.P.H., Senior Clinical Instructor in Public Health and Preventive Medicine (1967).
B.S. (1938), Washington State; M.S. (1940), Oregon; M.P.H. (1949), Michigan.
- † **John O. Branford**, M.D., Clinical Instructor in Anesthesiology (1959).
B.A. (1936), Concordia; M.D. (1946), Oregon.
- † **Bolek Brant-Zawadzki**, M.D., Assistant Professor of Surgery (1971).
B.A. (1961), Hunter; M.D. (1965), Rochester.

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MEDICAL SCHOOL FACULTY

- †**Esmond Braun**, M.D., Senior Clinical Instructor in Surgery (1969).
B.S. (1952), M.D. (1955), Wayne State.
- James D. Bray**, M.D., Associate Clinical Professor of Psychiatry (1966).
B.A. (1954), Washburn; M.D. (1961), Kansas.
- †**Melvin W. Breese**, M.D., Associate Clinical Professor of Obstetrics and Gynecology (1948).
B.S. (1936), Oregon State; M.D. (1943), Oregon.
- †**Phillip M. Brenes**, M.D., Clinical Instructor in Pediatrics (1971).
A.B. (1962), San Diego State; M.D. (1966), California.
- †**Joseph P. Brennan**, M.D., Clinical Instructor in Continuing Medical Education (1970).
B.S. (1918), Wisconsin; M.D. (1921), Rush (University of Chicago).
- †**Robert M. Brenner**, Ph.D., Professor of Experimental Biology (Primate Center) (1964).
A.B. (1950), A.M. (1951), Ph.D. (1955), Boston.
- †**Lawrence Brettschneider**, M.D., Clinical Instructor in Surgery (1973).
B.S. (1957), Union; M.D. (1961), S.U.N.Y. (Syracuse).
- †**Malcolm I. Brewer**, M.D., Senior Clinical Instructor in Ophthalmology (1970).
B.A. (1960), Colorado; M.D. (1964), St. Louis.
- Gwynn C. Brice**, Administrative Director, Central Services, Hospitals and Clinics; Associate Professor (1946).
- †**Larry T. Brice**, M.D., Assistant Clinical Professor of Medicine (1969).
B.A. (1959), M.D. (1964), Oregon.
- John David Bristow**, M.D., Dr. Laurence Selling Professor of Medicine; Chairman of Department (1960).
B.A. (1949), Willamette; M.D. (1953), Oregon.
- †**Michael T. H. Brodeur**, M.D., Assistant Clinical Professor of Medicine (1965).
B.A. (1952), M.D., C.M. (1956), McGill.
- †**Rosemary E. Brodie**, M.D., Assistant Clinical Professor of Neurology (1968).
B.A. (1948), Reed; M.D. (1952), Northwestern.
- †**William K. Brokken**, M.D., Clinical Instructor in Dermatology (1972).
B.A. (1960), Luther; B.S., M.D. (1965), Minnesota.
- John M. Brookhart**, Ph.D., Professor of Physiology; Chairman of Department (1949).
B.S. (1935), M.S. (1936), Ph.D., (1939), Michigan.
- †**James A. Brooks**, M.D., Assistant Clinical Professor of Pediatrics (1970).
B.S. (1959), M.D. (1963), Oregon.
- Robert E. Brooks**, Ph.D., Associate Professor of Pathology (1961).
B.S. (1948), California; Ph.D. (1967), Oregon.
- †**John D. Brose**, M.D., Clinical Instructor in Surgery (1972).
A.B. (1948), Asbury; M.D. (1952), Cincinnati.
- †**Frederick J. F. Brossart**, M.D., Clinical Instructor in Surgery (1973).
B.A. (1961), M.D. (1965), Missouri.
- J. Albert Browder**, M.D., Associate Professor, Crippled Children's Division; Associate Professor of Pediatrics (1971).
B.A. (1951), Texas; M.D. (1955), University of Texas Medical School.
- †**Charles C. Brown**, M.D., Clinical Instructor in Psychiatry (1965).
B.S. (1954), Gonzaga; M.D. (1958), Jefferson.
- Daniel F. Brown**, M.D., Assistant Professor of Obstetrics and Gynecology (1974).
B.S. (1962), Pacific; M.D. (1967), Oregon.
- Judson S. Brown**, Ph.D., Professor of Medical Psychology (1972).
A.B. (1932), Redlands; M.D. (1937), U.C.L.A.; Ph.D. (1940), Yale.
- †**Mary P. Brown**, M.D., Instructor in Public Health and Preventive Medicine and Pediatrics (1974).
B.S. (1963), Puget Sound; M.D. (1967), Oregon.
- †**Paul M. Brown**, M.D., Senior Clinical Instructor in Surgery (1961).
B.S. (1945), Oregon; M.D. (1949), Harvard; M.S. (1960), Minnesota.
- †**Charles Browning**, M.D., Assistant Professor of Psychiatry (Veterans Hospital) (1973).
B.A. (1953), Ohio State; M.A. (1959), Michigan; M.D. (1964), Case Western Reserve.
- †**Diane H. Browning**, M.D., Assistant Clinical Professor of Psychiatry and Pediatrics (1973).
B.A. (1961), Sarah Lawrence; M.D. (1966), Case Western Reserve.
- †**Robert J. Bruckner**, D.D.S., Professor of Dentistry (1960).
D.D.S. (1944), Maryland; M.S. (1948), Western Reserve.
- Robert E. Brummett**, Ph.D., Associate Professor of Otolaryngology and Assistant Professor of Pharmacology (1964).
B.S. (1959), M.S. (1960), Oregon State; Ph.D. (1964), Oregon.
- Richard Bryant**, M.D., Associate Professor of Medicine; Head of Division of Infectious Diseases (1973).
B.A. (1954), Southern Methodist; M.D. (1958), Washington University.
- George Colin Buchan**, M.D., Professor of Pathology; Head of Division of Neuropathology (1965).
M.D. (1958), McGill.
- †**Melissa L. Buchan**, M.D., Clinical Instructor in Medicine (1966).
A.B. (1957), Radcliffe; M.D. (1961), Pennsylvania.
- †**McKenzie W. Buck**, Ph.D., Assistant Professor of Otolaryngology, Speech Pathology (Portland Center for Hearing and Speech) (1966).
B.A. (1946), Denver; M.A. (1948), Ph.D. (1951), Iowa.

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FACULTY

- †Peter P. Budetti, M.D., Instructor in Pediatrics and Public Health and Preventive Medicine (1974).
B.A. (1966), Notre Dame; M.D. (1970), Columbia.
- A. Sonia Buist, M.B., Ch.B., Assistant Professor of Medicine (1971).
M.B., Ch.B. (1964), St. Andrews (Scotland).
- Neil R. M. Buist, M.B., Ch.B., Associate Professor of Pediatrics and Medical Genetics (1966).
M.B., Ch.B. (1956), St. Andrews (Scotland).
- †Jess E. Bumgardner, Ph.D., Instructor in Clinical Pathology (Veterans Hospital) (1973).
B.A. (1949), Pacific Lutheran; M.S. (1952), Purdue; Ph.D. (1956), Washington State.
- †Lawrence Buonocore, M.D., Clinical Instructor in Family Practice (1972).
B.S. (1932), New York University; M.D. (1935), New York Medical College.
- †Denis R. Burger, Ph.D., Associate Professor of Microbiology and Immunology (Veterans Hospital) (1969).
B.A. (1965), California (Berkeley); M.S. (1968), Ph.D. (1969), Arizona.
- †Paul R. Burgner, M.D., Clinical Professor of Medicine (1956).
B.S. (1948), M.D. (1952), Oregon.
- Robert P. Burns, M.D., Professor of Ophthalmology (1959).
B.S. (1945), Portland; M.D. (1947), Oregon.
- †Timothy A. Burton, M.D., Clinical Instructor in Psychiatry (1973).
B.S. (1964), M.D. (1969), Michigan.
- †John W. Bussman, M.D., Clinical Professor of Pediatrics (1954).
B.S. (1946), M.B. (1947), M.D. (1948), Minnesota.
- †Jay B. V. Butler, M.D., Clinical Instructor in Orthopedics (1973).
B.S. (1961), Lewis and Clark; M.D. (1965), Tulane.
- †John L. Butler, M.D., Associate Clinical Professor of Psychiatry (1958).
B.S. (1942), Idaho; M.D. (1946), Johns Hopkins.
- †Morris Button, M.D., Clinical Instructor in Orthopedics (1973).
B.S. (1964), M.D. (1967), Illinois.
- †Mark A. Butzer, M.D., Clinical Instructor in Pediatrics (1972).
B.S. (1952), North Dakota State; M.D. (1961), Marquette.
- †June Byers, M.D., Clinical Instructor in Family Practice and Continuing Medical Education (1971).
B.A. (1944), Vassar; M.D. (1948), Temple.
- †Malcolm S. Byers, M.D., Clinical Instructor in Family Practice (1971).
B.A. (1944), M.D. (1947), Nebraska.
- †Joseph J. Callanan, M.D., Clinical Instructor in Medicine (1974).
B.S. (1960), Canisius; M.D. (1964), S.U.N.Y. (Buffalo).
- John R. Campbell, M.D., Associate Professor of Pediatrics; Professor of Pediatric Surgery; Head of Division of Pediatric Surgery (1967).
B.A. (1954), M.D. (1958), Kansas.
- †Nathan J. Campbell, M.D., Assistant Clinical Professor of Surgery (1950).
M.D. (1949), Temple.
- †Paul Campbell, M.D., Associate Clinical Professor of Orthopedics (1956).
B.A. (1945), M.D. (1949), Stanford; M.S. (1955), Michigan.
- Robert A. Campbell, M.D., Professor of Pediatrics (1961).
B.A. (1954), M.D. (1958), California.
- †Timothy J. Campbell, M.D., Assistant Clinical Professor of Pediatric Surgery (1971).
B.A. (1960), Willamette; M.D. (1964), Oregon.
- †W. Leigh Campbell, M.D., Assistant Clinical Professor of Ophthalmology (1962).
B.S. (1952), M.D. (1955), Oregon.
- †Steven J. Carlisle, M.D., Clinical Instructor in Psychiatry (1972).
B.S. (1954), Montana State; M.D. (1959), Northwestern.
- Leroy O. Carlson, M.D., Professor of Pediatrics; Professor, Crippled Children's Division (1961).
B.S. (1940), University of Washington; M.D. (1942), Michigan.
- C. Conrad Carter, M.D., Professor of Neurology (1956).
B.A. (1946), Reed; M.D. (1948), Oregon.
- Laurel Case, M.D., Professor of Family Practice; Chairman of Department (1969).
M.D. (1949), Kansas.
- †Raymond A. Case, Jr., M.D., Assistant Clinical Professor of Orthopedics (1959).
M.D. (1947), Hahnemann.
- †Charles E. Catlow, Jr., M.D., Clinical Instructor in Urology (1949).
B.S. (1943), Portland; M.D. (1944), Oregon.
- †Richard E. Cavalli, M.D., Assistant Clinical Professor of Pediatrics (1968).
B.S. (1957), Portland; M.D. (1961), Oregon.
- Patricia A. Chadwick, M.S.T., Senior Instructor in Clinical Pathology (Medical Technology) (1966).
B.S. (1950), Massachusetts; M.S.T. (1973), Portland State.
- Prabir Chakraborty, Ph.D., Assistant Professor of Surgery (1974).
B.S. (1955), Calcutta; M.S. (1957), Ph.D. (1971), Oregon State.
- †George E. Chamberlain, M.D., Clinical Professor of Otolaryngology (1947).
B.A. (1936), M.D. (1938), Oregon.

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MEDICAL SCHOOL FACULTY

- Tsoi Chan, M.B.B.S.**, Assistant Professor of Pathology (Surgical Pathology and Cytology) (1973).
M.B.B.S. (1966), Hong Kong.
- †**Charles K. Chapman, M.D.**, Clinical Instructor in Family Practice (1966).
B.S. (1952), Oregon College of Education; M.D. (1964), Oregon.
- †**Richard D. Chapman, M.D.**, Assistant Clinical Professor of Cardiopulmonary Surgery (1971).
B.A. (1957), Carleton; M.D. (1961), Cornell.
- †**Allan K. Chappell, M.D.**, Associate Clinical Professor of Pediatrics (1964).
B.S. (1948), M.D. (1951), Oregon.
- †**Sushma Chawla, M.B., B.S.**, Instructor in Pathology (1974).
M.B., B.S. (1962), Government Medical (India).
- †**Howard L. Cherry, M.D.**, Senior Clinical Instructor in Orthopedics (1950).
M.D. (1943), Oregon.
- †**Clarence L. Chester, M.D.**, Associate Professor of Pathology (Surgical Pathology and Cytology) (Veterans Hospital) (1962).
B.S. (1937), M.D. (1940), Vermont.
- †**John B. Chester, Jr., M.D.**, Clinical Instructor in Orthopedics (1969).
B.A. (1952), Austin; M.D. (1957), Texas (Dallas).
- †**Jack L. Chitty, M.D.**, Clinical Instructor in Medicine (1966).
B.S. (1955), Bradley; M.D. (1959), Illinois.
- †**Oscar C. Chowning, Jr., M.D.**, Clinical Instructor in Otolaryngology (1963).
B.A. (1953), M.D. (1956), Kansas.
- †**Leonard Christensen, M.D.**, Professor of Ophthalmology (1950).
B.A. (1937), Oregon State; M.D. (1941), M.S. (1949), Oregon.
- †**Eldon G. Chuinard, M.D.**, Clinical Professor of Orthopedics (1938).
B.A. (1926), Puget Sound; M.D. (1934), Oregon.
- †**McGregor L. Church, M.D.**, Senior Clinical Instructor in Orthopedics (1966).
A.B. (1951), Stanford; M.D. (1956), Oregon.
- †**Phyllis B. Church, M.D.**, Clinical Instructor in Medicine (1971).
B.A. (1943), Reed; M.D. (1967), Oregon.
- †**Calvin C. Clark, M.D.**, Assistant Clinical Professor of Pediatrics (1968).
B.A. (1959), University of Washington; M.D. (1963), Tufts.
- William M. Clark, Jr., M.D.**, Professor of Pediatrics, Acting Chairman of the Department; Associate Medical Director, Hospitals and Clinics (1954).
B.A. (1946), Baker; M.D. (1949), Chicago.
- †**Winfred H. Clark, M.D.**, Clinical Instructor in Orthopedics (1957).
B.S., M.B., M.D. (1941), Minnesota.
- †**C. Keith Claycomb, Ph.D.**, Affiliate in Biochemistry (Biochemistry, Dental School) (1971).
B.S. (1954), Wittenberg; Ph.D. (1967), Ohio State.
- †**Donald L. Cleland, M.D.**, Associate Clinical Professor of Surgery (1966).
B.A. (1954), Stanford; M.S., M.D. (1958), Oregon.
- †**John E. Cleland, M.D.**, Clinical Instructor in Obstetrics and Gynecology (1966).
B.A. (1952), M.D. (1957), Oregon.
- †**Keith M. Clisby, M.D.**, Clinical Instructor in Surgery (1947).
B.S. (1929), Oregon State; M.D. (1934), Oregon.
- †**William H. Cloyd, M.D.**, Assistant Clinical Professor of Psychiatry (1972).
B.S. (1942), Southwest Texas State; M.D. (1945), Texas Medical Branch.
- *†**Quinten W. Cochran, M.D.**, Clinical Professor of Pediatrics (1960).
B.A. (1940), Reed; M.D. (1943), Oregon.
- †**Terence H. Cochran, M.D.**, Affiliate in Pathology (1960).
B.S. (1939), Oregon State; M.D. (1941), Oregon.
- †**Robert M. Cockburn, M.D.**, Clinical Instructor in Family Practice (1971).
B.A. (1950), M.S., M.D. (1955), Oregon.
- †**Lawrence J. Cohen, M.D.**, Senior Clinical Instructor in Orthopedics (1950).
B.S. (1930), M.D. (1934), Maryland.
- †**Stanley Cohen, Ph.D.**, Associate Professor of Psychiatry (Sociology) and Pediatrics (1973).
A.A. (1950), Los Angeles City College; A.B. (1954), California (Berkeley); M.A. (1961), Ph.D. (1970), Southern California.
- †**William Cohen, M.D.**, Senior Clinical Instructor in Medicine (1946).
B.A. (1931), Reed; M.D. (1935), Oregon.
- †**Edward M. Colbach, M.D.**, Associate Clinical Professor of Psychiatry (1970).
B.S. (1962), Loyola; M.D. (1964), Northwestern.
- Ralph O. Coleman, Jr., Ph.D.**, Associate Professor of Speech Pathology, Crippled Children's Division (1966).
B.S. (1954), Oregon State; M.S. (1960), Oregon; Ph.D. (1963), Northwestern.
- †**Emerson J. Collier, M.D.**, Assistant Clinical Professor of Urology (1956).
B.S. (1941), Alaska; M.D. (1944), Oregon.
- †**Jan M. Collins, M.D.**, Clinical Instructor in Medicine (1974).
B.A. (1961), M.D. (1965), Kansas.
- Richard E. Collins, M.S.W.**, Assistant Professor of Psychiatry (Psychiatric Social Work) (1969).
B.S. (1960), Oregon; M.S.W. (1962), University of Washington.

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FACULTY

- †Dennis K. Collis, M.D., Senior Clinical Instructor in Orthopedics (1972).
B.A. (1959), Grinnell; M.D. (1963), Washington University.
- †Hugh Donald Colver, M.D., Senior Clinical Instructor in Surgery (1950).
B.A. (1940), College of Idaho; M.D. (1943), Oregon.
- †Fred G. Colwell, M.D., Clinical Instructor in Pediatrics (1972).
B.S. (1951), M.D. (1955), Cincinnati.
- Reid S. Connell, Jr., Ph.D., Associate Professor of Anatomy and Assistant Professor of Neurology (Experimental Neurology) (1966).
B.S. (1959), M.S. (1962), Oregon State; Ph.D. (1967), Oregon.
- †Paul Contorer, M.D., Assistant Clinical Professor of Dermatology (1971).
B.A. (1956), M.D. (1960), Northwestern.
- David M. Cook, M.D., Assistant Professor of Medicine (1971).
B.S. (1959), Notre Dame; M.D. (1963), St. Louis.
- †Ronald H. Copeland, M.D., Clinical Instructor in Obstetrics and Gynecology (1970).
B.A. (1959), M.D. (1963), Colorado.
- †Jack Copperman, M.D., Clinical Instructor in Anesthesiology (1971).
B.A. (1961), M.D. (1965), University of Florida.
- †Gilbert M. Cordova, M.D., Clinical Instructor in Radiology (Diagnosis) (1971).
B.A. (1960), M.D. (1964), Kansas.
- †Raymond S. Corwin, M.D., Clinical Instructor in Obstetrics and Gynecology (1968).
B.S. (1957), M.S. (1960), Michigan State; M.D. (1963), Bowman Gray.
- †George W. Cottrell, M.D., Senior Clinical Instructor in Orthopedics (1949).
B.A. (1937), Oregon State; M.D. (1939), Oregon.
- †Robert C. Cowger, M.D., Assistant Clinical Professor of Ophthalmology (1959).
M.D. (1944), Nebraska.
- †Eric W. S. Craig, M.D., Clinical Instructor in Medicine (1969).
B.S. (1957), Oregon State; M.D. (1964), Oregon.
- †Lyal Crary, M.D., Clinical Instructor in Urology (1970).
M.D. (1959), Yale.
- †Howard R. Creamer, Ph.D., Affiliate in Microbiology and Immunology (Microbiology, Dental School) (1971).
B.Sc. (1954), Ph.D. (1967), Ohio State.
- †Edward F. Crippen, M.D., Assistant Clinical Professor of Environmental Medicine (1972).
M.D. (1950), M.P.H. (1961), Michigan.
- †Rodney L. Crislip, M.D., Assistant Clinical Professor of Medicine (1963).
B.A. (1953), Lehigh; M.D. (1957), Western Reserve.
- †Robert V. Crist, M.D., Clinical Instructor in Family Practice (1971).
B.A. (1958), M.D. (1961), Indiana.
- B. Vaughn Critchlow, Ph.D., Professor of Anatomy; Chairman of Department (1972).
A.A. (1949), Glendale; B.A. (1951), Occidental; Ph.D. (1957), California (Los Angeles).
- †James R. Crook, Ph.D., D.Sc., Lecturer in Microbiology and Immunology (1973).
A.D. (1956), New Mexico Military; B.S. (1958), M.S. (1959), Ph.D. (1964), Utah; D.Sc. (1968), Liverpool.
- †Leland L. Cross, M.D., Assistant Clinical Professor of Neurology (Physiatry) and Physical Medicine and Rehabilitation (1967).
B.S. (1948), Illinois; M.D. (1952), Northwestern; M.P.H. (1965), U.C.L.A.
- †Frank W. Crowe, M.D., Clinical Professor of Dermatology (1957).
B.S. (1941), Idaho; M.D. (1949), Utah.
- Lillian T. Cunningham, M.P.H., Assistant Professor, Crippled Children's Division (1968).
B.S. (1964), Tuskegee; M.P.H. (1966), California.
- †John M. Currie, M.D., Assistant Clinical Professor of Dermatology (1970).
B.S. (1959), Northeastern (Oklahoma); M.D. (1963), Oklahoma.
- †John A. Currier, M.D., Clinical Instructor in Pediatrics (1973).
B.S. (1964), Portland State; M.D. (1970), Creighton.
- †Ralph Garr Cutler, M.D., Senior Clinical Instructor in Surgery (1968).
B.S. (1953), M.D. (1960), Utah.
- †Joyle Dahl, M.D., Associate Clinical Professor of Dermatology (1932).
B.A. (1926), M.D. (1930), Oregon.
- †James E. Dahlman, M.D., Clinical Instructor in Obstetrics and Gynecology (1968).
B.A. (1957), Albion; M.D. (1961), Michigan.
- †Dorin S. Daniels, M.D., Clinical Instructor in Family Practice (1971).
B.S. (1950), Wisconsin; M.D., (1956), Chicago.
- †Marvin L. Darsie, Jr., M.D., Ph.D., Assistant Professor of Anesthesiology (Veterans Hospital) (1968).
B.A. (1934), U.C.L.A.; Ph.D. (1939), Stanford; M.D. (1947), Southern California.
- †Robert I. Daugherty, M.D., Associate Clinical Professor of Psychiatry and Clinical Instructor in Family Practice (1965).
B.S. (1951), M.D. (1953), Oregon.

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MEDICAL SCHOOL FACULTY

- †**G. Doyle Daves**, Ph.D., Affiliate in Biochemistry (Oregon Graduate Center) (1972).
B.S. (1959), Arizona State; Ph.D. (1964), Massachusetts Institute of Technology.
- †**Edward W. Davis**, M.D., Associate Clinical Professor of Neurosurgery (1958).
A.B. (1935), M.D. (1939), California.
- Howard W. Davis**, Ph.D., Associate Professor of Anatomy (1966).
B.S. (1956), M.S. (1959), Ph.D. (1969), Oregon.
- Peter J. Dawson**, M.D., Professor of Pathology; Head Division of Surgical Pathology and Cytology (1964).
B.A. (1949), M.B., B.Chir. (1952), M.A. (1953), Cambridge; D.C.P. (1955), London; M.D. (1960), Cambridge.
- †**Theofilus de Bruin**, M.D., Clinical Instructor in Medicine (1972).
B.A. (1961), M.D. (1965), U.C.L.A.
- †**Enrique M. deCastro**, M.D., Clinical Instructor in Obstetrics and Gynecology (1961).
B.S. (1951), Loyola; M.D. (1957), Universidad Nacional Autonoma de Mexico.
- †**John M. Deeney**, M.D., Associate Clinical Professor of Psychiatry (1969).
A.B. (1956), Stanford; M.D. (1960), Oregon.
- †**Richard L. DeKlotz**, M.D., Clinical Instructor in Pediatrics (1971).
B.S. (1964), University of Portland; M.D. (1966), Creighton.
- †**Conrad A. DeLateur**, M.D., Clinical Instructor in Dermatology (1961).
B.S. (1936), Oregon State; M.D. (1940), Oregon.
- †**F. John de Maria**, M.D., Associate Clinical Professor of Obstetrics and Gynecology (1966).
M.D. (1952), Malta.
- Henry De Mots**, M.D., Assistant Professor of Medicine (1974).
B.S. (1962), Calvin; M.D. (1966), Northwestern.
- D. Duane Denney**, M.D., Professor of Psychiatry (1962).
B.A. (1953), Willamette; M.S., M.D. (1957), Oregon.
- †**Daniel L. Dennis**, M.D., Associate Clinical Professor of Surgery (1965).
B.S. (1956), M.S., M.D. (1958), Oregon.
- †**John P. Dennis**, M.D., Clinical Instructor in Neurosurgery (1959).
B.S. (1949), Oregon State; M.D. (1951), Oregon.
- †**James E. Devorss**, M.D., Clinical Instructor in Medicine (1973).
B.S. (1962), Muhlenberg; M.D. (1966), George Washington.
- David D. DeWeese**, M.D., Professor of Otolaryngology; Chairman of Department (1944).
A.B. (1934), M.D. (1938), Michigan.
- †**Peter DeWitt**, M.D., Clinical Instructor in Family Practice (1955).
B.A. (1939), Union; M.D. (1943), Cornell.
- †**Howard R. Dewey**, Ph.D., Assistant Clinical Professor of Neurology (1968).
B.A. (1949), Lewis and Clark; M.S.W. (1954), University of Washington; Ph.D. (1959), Denver.
- Dharam S. Dhindsa**, Ph.D., Instructor in Medicine (1974).
B.V.S. (1956), Punjab; M.S. (1963), Montana; Ph.D. (1967), Illinois.
- †**Arch W. Diack**, M.D., Senior Clinical Instructor in Surgery (1937).
A.B. (1929), Dartmouth; M.D. (1933), Michigan.
- †**Herman A. Dickel**, M.D., Clinical Professor of Psychiatry (1942).
B.A. (1933), Montana State; M.B. (1937), M.D. (1938), Northwestern.
- †**Hugh E. Dierker**, M.D., Assistant Clinical Professor of Public Health and Preventive Medicine (1971).
B.S. (1935), M.D. (1937), Creighton.
- †**Alan F. Dixon**, Ph.D., Lecturer in Medical Psychology (Primate Center) (1974).
B.Sc. (1970), Nottingham; Ph.D. (1973), Birmingham.
- Jeri L. Dobbs**, B.S., Assistant Professor of Cardiopulmonary Surgery (1968).
B.S. (1964), Pacific University.
- †**Richard B. Dobrow**, M.D., Assistant Clinical Professor of Medicine (1969).
A.B. (1958), M.D. (1962), Harvard.
- †**Donald P. Dobson**, M.D., Clinical Instructor in Anesthesiology (1957).
M.D. (1950), Boston University.
- Wilson C. Dockery**, B.S., Student Activities Building Director; Assistant Professor (1960).
B.S. (1937), Oregon State.
- †**George F. Donahower**, M.D., Senior Clinical Instructor in Medicine (1972).
B.A. (1961), Denison; M.D. (1965), Harvard.
- †**John H. Donnelly**, M.D., Assistant Clinical Professor of Public Health and Preventive Medicine (1966).
S.B. (1942), M.D. (1946), Chicago; M.P.H. (1958), California.
- Charles T. Dotter**, M.D., Professor of Radiology (Diagnosis); Chairman of Department (1952).
B.A. (1941), Duke; M.D. (1944), Cornell.
- †**Gordon L. Doty**, M.D., Assistant Clinical Professor of Medicine (1967).
B.S. (1952), Michigan State; M.D. (1956), Wayne State.
- †**Robert Preston Doughton**, M.D., Clinical Instructor in Obstetrics and Gynecology (1968).
B.A. (1957), M.D. (1959), Oregon.
- †**Darrel D. Douglas**, B.S., Assistant Clinical Professor of Environmental Medicine (1965).
B.S. (1954), University of Washington.

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FACULTY

- †George Douglass, M.D., Clinical Instructor in Medicine (1973).
B.A. (1963), Willamette; M.D. (1967), Oregon.
- †Robert S. Dow, M.D., Ph.D., D.Sc., Clinical Professor of Neurology (1939).
B.S. (1929), Linfield; M.A. (1934), M.D. (1934), Ph.D. (1935), Oregon; D.Sc. (1963), Linfield.
- Hall Downes, M.D., Ph.D., Associate Professor of Pharmacology (1969).
B.A. (1955), M.D. (1959), Harvard; Ph.D. (1969), Utah.
- †Richard F. Drake, M.D., Assistant Clinical Professor of Medicine (1965).
B.A. (1955), Willamette; M.D. (1959), Oregon.
- †William E. Drips, Jr., M.D., Clinical Instructor in Medicine (1964).
B.S. (1956), M.D. (1958), Oregon.
- †David Druker, M.D., Clinical Instructor in Dermatology (1974).
B.A. (1963), Harvard; M.D. (1968), Iowa.
- †Donald A. Duncan, M.D., Clinical Instructor in Medicine (1972).
B.S. (1963), M.D. (1965), Oregon.
- †Elmore Duncan, M.D., Clinical Instructor in Psychiatry (1971).
B.A. (1954), Pacific Lutheran; M.D. (1958), University of Washington.
- †William C. Duncan, M.D., Clinical Instructor in Surgery (1971).
A.B. (1958), Princeton; M.D. (1962), Columbia.
- Raphael B. Durfee, M.D., Professor of Obstetrics and Gynecology (1957).
B.A. (1939), M.D. (1944), Stanford.
- †Harold P. Dygert, Jr., M.D., Clinical Instructor in Medicine (1956).
B.A. (1941), Rochester; M.D. (1950), Syracuse.
- †James W. Eastman, M.D., Clinical Instructor in Psychiatry (1973).
B.A. (1962), M.D. (1966), Minnesota.
- †G. Gray Eaton, Ph.D., Assistant Professor of Medical Psychology (Primate Center) (1971).
B.A. (1964), Victoria; Ph.D. (1970), California (Berkeley).
- †Arthur L. Eckhardt, M.D., Clinical Instructor in Orthopedics (1966).
B.A. (1951), Stanford; M.D. (1957), Oregon.
- †Zanley C. Edelson, M.D., Clinical Instructor in Surgery (1948).
B.A. (1935), Oregon State; M.D. (1938), Oregon.
- Miles J. Edwards, M.D., Professor of Medicine; Head of Division of Chest Diseases (1964).
B.A. (1951), Willamette; M.S., M.D. (1956), Oregon.
- †Thomas A. Edwards, M.D., Clinical Instructor in Orthopedics (1963).
B.A. (1950), Williams; M.D. (1954), Cornell.
- Larry Eidemiller, M.D., Assistant Professor of Surgery (1972).
B.S. (1962), College of Idaho; M.D. (1966), Oregon.
- †Peter J. Eidenberg, M.D., Clinical Instructor in Family Practice (1974).
B.A. (1959), Haverford; M.D. (1964), Jefferson.
- †Anton F. Eilers, M.D., Clinical Instructor in Orthopedics (1971).
B.S. (1960), Wyoming; M.D. (1965), Cornell.
- †Lester H. Eisendorf, M.D., Clinical Instructor in Surgery (1950).
B.S. (1935), M.D. (1938), Illinois.
- Jerry O. Elder, M.A., Assistant Professor and Business Manager, Crippled Children's Division (1969).
B.A. (1961), Michigan State; M.A. (1965), Iowa.
- †Morton G. Eleff, M.D., Associate Clinical Professor of Pediatrics (1962).
B.S. (1950), M.D. (1955), Western Reserve.
- †Richard A. Ellerby, M.D., Clinical Instructor in Medicine (1974).
B.S. (1962), Oregon State; M.D. (1966), Oregon.
- †John H. Ellison, M.D., Clinical Instructor in Medicine (1965).
B.S. (1956), Oregon State; M.D. (1959), Oregon.
- †Richard P. Embick, M.D., Senior Clinical Instructor in Orthopedics (1962).
B.A. (1942), M.D. (1943), Wisconsin.
- †Joseph L. Emmerich, M.D., Assistant Clinical Professor of Pediatrics (1966).
B.S. (1957), M.D. (1959), Illinois.
- †John A. Enbom, M.D., Clinical Instructor in Obstetrics and Gynecology (1973).
B.A. (1962), Whitman; M.D. (1966), California (Berkeley).
- †James A. Enden, M.D., Clinical Instructor in Obstetrics and Gynecology (1973).
B.S. (1959), M.D. (1962), University of Washington.
- †Walter R. Enders, M.D., Assistant Clinical Professor of Ophthalmology (1960).
B.A. (1945), M.D. (1947), Oregon.
- Peter A. Erbguth, M.D., Assistant Professor of Anesthesiology (1970).
M.D. (1964), Würzburg.
- †Wayne G. Erickson, M.D., Associate Clinical Professor of Radiology (Diagnosis) (1950).
B.A. (1944), Stanford; M.D. (1946), Oregon.
- †Lawrence T. Eschelman, M.D., Clinical Instructor in Otolaryngology (1974).
B.A. (1959), M.D. (1964), Stanford.
- †Joseph H. Eusterman, M.D., Clinical Instructor in Medicine (1968).
B.A. (1952), B.S., M.D. (1957), Minnesota; M.S. (1962), Mayo.

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MEDICAL SCHOOL FACULTY

- †**William B. Evans**, M.D., Assistant Clinical Professor of Medicine (1966).
B.S. (1956), Long Island; M.D. (1961), Virginia.
- Edwin C. Everts**, M.D., Assistant Professor of Otolaryngology (1970).
B.A. (1958), Willamette; M.D. (1962), Oregon.
- Marian Thomas Ewell**, B.S., Senior Instructor in Clinical Pathology (Medical Technology) (1969).
B.S. (1965), Southern Oregon.
- J. Job Faber**, Ph.D., Professor of Physiology (1966).
M.B. (1960), Amsterdam; Ph.D. (1963), Western Ontario.
- †**Charles A. Fagan**, M.D., Assistant Clinical Professor of Orthopedics (1960).
B.A. (1951), Reed; M.D. (1955), Oregon.
- †**Philip John Fagan**, M.D., Associate Professor of Orthopedics (Veterans Hospital) (1970).
M.D. (1942), Creighton.
- †**Thomas E. Fagan**, M.D., Clinical Instructor in Orthopedics (1969).
B.A. (1957), St. Mary's (California); M.D. (1961), Oregon.
- †**Wolf H. Fahrenbach**, Ph.D., Professor of Experimental Biology (Primate Center) (1963).
B.A. (1954), California; Ph.D. (1961), University of Washington.
- †**William F. Farr**, M.D., Senior Clinical Instructor in Ophthalmology (1968).
B.S. (1956), Willamette; M.D. (1960), Oregon.
- Charles H. Faust, Jr.**, Ph.D., Assistant Professor of Surgery (Research) (1974).
A.B. (1964), Franklin & Marshall; Ph.D. (1970), Colorado State.
- †**Robert B. Faust**, M.D., Clinical Instructor in Otolaryngology (1974).
B.S. (1958), M.D. (1958), Nebraska.
- †**Stephen A. Fausti**, Ph.D., Assistant Professor, Crippled Children's Division (Veterans Hospital) (1971).
B.A. (1965), Washington State; M.A. (1966), San Francisco State; Ph.D. (1971), University of Washington.
- Warren H. Fay**, Ph.D., Associate Professor of Speech Pathology, Pediatrics (1962).
B.A. (1951), Colorado State; M.Ed. (1959), Oregon; Ph.D. (1963), Purdue.
- †**Clifford L. Fearl**, M.D., Clinical Professor of Obstetrics and Gynecology (1940).
B.A. (1930), Montana State University; M.D. (1935), Kansas.
- M. Lynette Feeney**, Ph.D., Associate Professor of Ophthalmology (1970).
A.B. (1953), Mt. St. Joseph; M.A. (1964), Ph.D. (1968), California (San Francisco).
- Jack H. Fellman**, Ph.D., Professor of Biochemistry (1955).
B.A. (1948), M.A. (1952), Ph.D. (1954), Kansas.
- †**James W. Fergus**, M.D., Assistant Clinical Professor of Obstetrics and Gynecology (1963).
B.S. (1954), M.D. (1957), Nebraska.
- Peggy Copple Ferry**, M.D., Associate Professor of Pediatrics and Assistant Professor of Neurology (1966).
B.S. (1956), M.D. (1959), Oregon.
- Ruby Fields**, M.S. Assistant Professor, Crippled Children's Division (1969).
B.A. (1948), Western State (Colorado); M.S. (1969), Portland State.
- †**Ronald A. Findlay**, M.D., Clinical Instructor in Family Practice (1971).
B.A. (1950), Reed; M.D. (1952), Oregon.
- †**Leon J. Fine**, Ph.D., Clinical Professor of Psychiatry (1966).
B.A. (1952), Ph.D. (1967), Washington University.
- †**Hans Fink**, M.D., Associate Clinical Professor of Psychiatry (1963).
M.D. (1945), Frederick Wilhelms, University of Berlin.
- †**Robert E. Fischer**, M.D., Assistant Clinical Professor of Ophthalmology (1952).
B.A. (1944), Oregon State; M.D. (1946), Oregon.
- William A. Fisher**, M.D., Associate Professor of Family Practice (1970).
B.S. (1948), M.D. (1949), Oregon.
- †**H. Freeman Fitch**, M.D., Assistant Clinical Professor of Orthopedics (1958).
B.A. (1946), M.A. (1947), British Columbia; M.D. (1951), Oregon.
- Robert D. Fitzgerald**, Ph.D., Professor of Medical Psychology (1962).
B.A. (1958), M.A. (1959), South Dakota; Ph.D. (1962), Indiana.
- †**Latham Flanagan**, M.D., Senior Clinical Instructor in Surgery (1968).
M.D. (1961), Duke.
- †**John R. Flanery**, M.D., Associate Clinical Professor of Medicine (1956).
B.S. (1948), M.D. (1952), Oregon.
- †**David G. Fleetwood**, D.D.S., Assistant Professor of Dentistry (1967).
D.D.S. (1959), Northwestern.
- †**J. Kenneth Fleshman**, M.D., Assistant Clinical Professor of Pediatrics (1967).
M.D. (1958), Southern California.
- William S. Fletcher**, M.D., Professor of Surgery (1960).
A.B. (1952), Dartmouth; M.D. (1955), Harvard.
- †**Peter S. Ford**, M.D., Clinical Instructor in Family Practice (1971).
B.Sc. (1945), Pacific University; M.D. (1951), Oregon.
- †**Max A. Forse**, M.D., Assistant Clinical Professor of Medicine (1964).
B.S. (1930), M.S. (1934), Würzburg (Germany).

FACULTY

- †Donald E. Forster, M.D., Assistant Clinical Professor of Medicine (1939).
A.B. (1931), Colgate; M.D. (1935), Harvard.
- †Donald W. Fortlage, M.D., Assistant Clinical Professor of Pediatrics (1969).
A.B. (1959), California; M.D. (1963), Southern California.
- †Byron L. Fortsch, M.D., Clinical Instructor in Otolaryngology (1961).
B.A. (1953), Willamette; M.D. (1957), Oregon.
- †Paul D. Foster, M.D., Assistant Clinical Professor of Surgery (1967).
B.A. (1955), M.D. (1958), Iowa.
- Kaye E. Fox, Ph.D., Associate Professor of Pharmacology (1964).
B.S. (1954), Michigan; Ph.D. (1964), Stanford.
- †Thomas J. Fox, M.D., J.D., Associate Clinical Professor of Public Health and Preventive Medicine (1950).
B.S. (1937), Portland; M.D. (1941), Oregon; M.S. (1950), Tulane; J.D. (1967), Northwestern School of Law.
- †Herman M. Frankel, M.D., Clinical Instructor in Pediatrics (1968).
A.B. (1958), M.D. (1962), Columbia.
- †Richard W. Franklin, M.D., Assistant Clinical Professor of Obstetrics and Gynecology (1955).
B.S. (1945), M.D. (1948), Oregon.
- †Clifford A. Fratzke, M.D., Instructor in Medicine (1963).
M.D. (1931), Iowa.
- †Stanton L. Freidberg, M.D., Assistant Clinical Professor of Medicine (1966).
B.S. (1956), Illinois; M.D. (1960), Western Reserve.
- †Leo J. Freiermuth, M.D., Senior Clinical Instructor in Medicine (1961).
B.S. (1950), Idaho; M.D. (1954), Washington University.
- *Kathrine S. French, Ph.D., Associate Professor of Anthropology, Pediatrics (1959).
B.A. (1942), Pomona; Ph.D. (1955), Columbia.
- †Raymond F. Friedman, M.D., Assistant Clinical Professor of Radiology (Diagnosis) (1967).
B.S. (1955), Oregon State; M.D. (1957), Oregon.
- †Richard D. Frisbie, M.D., Clinical Instructor in Pediatrics (1971).
B.S. (1953), M.D. (1956), Nebraska.
- *Arthur W. Frisch, M.D., Ph.D., Professor of Microbiology and Immunology (1946).
B.A. (1931), M.A. (1933), Ph.D. (1935), M.D. (1937), Wisconsin.
- †David C. Frisch, M.D., Clinical Instructor in Dermatology (1952).
B.S. (1938), B.M. (1941), M.D. (1942), Minnesota; M.S. (1949), Wayne State.
- Louis H. Frische, M.D., Professor of Radiology (Diagnosis) (1953).
M.D. (1949), Harvard.
- †Donald W. Froom, M.D., Clinical Instructor in Medicine (1973).
B.A. (1962), M.D. (1966), Oregon.
- Raymond J. Fry, M.S., Instructor in Radiology (Therapy) (Radiation Physics) (1972).
B.S. (1964), Oregon State; M.S. (1966), Tennessee.
- †Robert J. Fry, M.D., Clinical Instructor in Orthopedics (1958).
B.A. (1947), Michigan; M.D. (1952), Temple.
- Thomas S. Fujita, M.S., Instructor in Biochemistry and Neurology (Neurochemistry) (1963).
B.A. (1956), Reed; M.S. (1959), University of Washington.
- †Malcolm E. Fuller, M.D., Assistant Clinical Professor of Obstetrics and Gynecology (1959).
B.S. (1942), Florida; M.D. (1951), Oregon.
- †Remy W. Fulsher, M.D., Assistant Clinical Professor of Obstetrics and Gynecology (1955).
M.D. (1950), Ohio State.
- †Walter L. Gabler, D.D.S., Ph.D., Affiliate in Biochemistry (Dentistry, Dental School) (1970).
D.D.S. (1956), Ph.D. (1964), Northwestern.
- †Ferenc F. Gabor, M.D., Clinical Instructor in Urology (1970).
M.D. (1954), Pecs (Hungary).
- John D. Gabourel, Ph.D., Professor of Pharmacology (1964).
B.S. (1950), California; M.S. (1951), San Francisco; Ph.D. (1957), Rochester.
- Anthony E. Gallo, M.D., Professor of Neurosurgery (1968).
B.S. (1952), Tufts; M.D. (1956), Harvard.
- †John J. Gallucci, M.D., Assistant Clinical Professor of Radiology (Therapy) (1970).
B.S. (1956), Seattle University; M.D. (1959), Marquette.
- †L. Phaon Gambee, M.D., Clinical Instructor in Orthopedics (1962).
B.S. (1951), Gonzaga; M.D. (1957), Creighton.
- †Luis Garcia-Bunuel, M.D., Associate Professor of Neurology (Veterans Hospital) (1972).
B.A., B.S. (1949), M.D. (1955), Zaragoza (Spain).
- †J. Scott Gardner, M.D., Clinical Professor of Urology (1945).
B.A. (1935), Utah; M.D. (1939), Cornell.
- †Lawrence Garges, M.D., Clinical Instructor in Medicine (1973).
B.S. (1959), M.D. (1967), National University of Mexico.
- Ann M. Garner, Ph.D., Professor, Crippled Children's Division; Professor of Medical Psychology (1968).
A.B. (1936), Carleton; A.M. (1938), Radcliffe; Ph.D. (1941), Stanford.

* Leave of absence.

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‡ Part-time.

MEDICAL SCHOOL FACULTY

- †William M. Garnjobst, M.D., Associate Clinical Professor of Surgery (1955).
B.A. (1943), Oregon State; M.D. (1945), Oregon.
- †P. Rocca Garofalo, M.D., Ph.D., Assistant Clinical Professor of Neurology (1970).
A.B. (1951), Barnard; M.S. (1953), Ph.D. (1958), M.D. (1960), Oregon.
- †Howard J. Geist, M.D., Assistant Clinical Professor of Orthopedics (1965).
M.D. (1955), Harvard.
- Nicholas Gerber, M.B.B.S., Associate Professor of Pharmacology and Pediatrics (1973).
M.B.B.S. (1958), Sydney.
- †John Gerhardt, M.S., Senior Clinical Instructor in Physical Medicine and Rehabilitation (1971).
M.D. (1948), Karl Franzen (Austria).
- Nancy B. Gerhardt, M.S., Senior Instructor in Microbiology and Immunology (1966).
B.S. (1950), Oregon State; M.S. (1971), Oregon.
- William E. Gibson, D.D.S., Assistant Professor, Crippled Children's Division (1974).
B.S. (1957), Tufts; M.D. (1961), Meharry.
- †Jerzy O. Giedwoyn, M.D., Senior Clinical Instructor in Medicine (1972).
M.D. (1963), Warsaw.
- †Jerry D. Giesy, M.D., Assistant Clinical Professor of Urology (1964).
B.A. (1955), M.D. (1959), Oregon.
- †James H. Gilbaugh, Jr., M.D., Clinical Instructor in Urology (1970).
M.S., M.D. (1963), Oregon.
- †David N. Gilbert, M.D., Associate Professor of Medicine (Providence Hospital) (1971).
B.S. (1963), M.D. (1964), Oregon.
- John H. Gilberts, M.D., Associate Professor of Family Practice (1971).
B.A. (1959), University of Washington; M.D. (1963), Kansas.
- †Joseph H. Gill, M.D., Senior Clinical Instructor in Orthopedics (1949).
B.A. (1940), Reed; M.D. (1943), Oregon.
- †Samuel F. Gill, M.D., Senior Clinical Instructor in Orthopedics (1963).
B.S. (1953), Oregon State; M.D. (1955), Oregon.
- †James B. Gillick, M.D., Clinical Instructor in Medicine (1967).
M.D. (1959), Indiana.
- †Richard Gingrich, M.D., Assistant Clinical Professor of Surgery (1970).
B.A. (1952), Walla Walla; M.D. (1956), Loma Linda.
- †Andrew Glass, M.D., Clinical Instructor in Pediatrics (1971).
M.D. (1965), Pennsylvania.
- †Vincent Glaudin, Ph.D., Associate Professor of Psychiatry (Veterans Hospital) (1966).
B.S. (1949), Ph.D. (1954), Illinois.
- †Robert L. Goetz, M.D., Clinical Instructor in Medicine (1973).
B.S. (1963), St. Mary's; M.D. (1967), Creighton.
- †Leonard M. Goldberg, M.D., Assistant Clinical Professor of Medicine (1959).
B.A. (1951), Reed; M.D. (1955), Oregon.
- †Marshall C. Goldberg, M.D., Clinical Instructor in Public Health and Preventive Medicine (1973).
A.B. (1962), Johns Hopkins; M.D. (1966), Maryland; M.P.H. (1970), California (Berkeley).
- †Edward L. Goldblatt, M.D., Assistant Professor of Public Health and Preventive Medicine (1967).
B.S. (1957), M.D. (1960), Northwestern; M.P.H. (1964), California.
- †Marvin C. Goldman, M.D., Associate Clinical Professor of Medicine (1958).
Ph.D. (1946), B.S. (1947), M.D. (1950), Chicago.
- †Buell E. Goocher, Ph.D., Assistant Clinical Professor of Psychiatry (Psychology) (1964).
B.S. (1958), Wisconsin; M.A. (1961), Ph.D. (1963), Southern Illinois.
- †Morton J. Goodman, M.D., Assistant Clinical Professor of Medicine (1935).
B.A. (1926), M.D. (1929), Oregon.
- †Scott Goodnight, M.D., Clinical Professor of Pediatrics (1940).
B.A. (1930), Wisconsin; M.D. (1932), Oregon.
- Scott H. Goodnight, M.D., Assistant Professor of Medicine (1974).
B.S. (1960), M.D. (1964), Oregon.
- †John R. Gorman, M.D., Clinical Instructor in Family Practice (1971).
B.S. (1950), Kansas State; M.D. (1954), Kansas.
- †Guy W. Gorrell, M.D., Associate Clinical Professor of Surgery (1961).
B.S. (1950), M.D. (1953), Oregon.
- †Thomas G. Gospodnetich, M.D., Instructor in Medicine (1974).
B.S. (1969), Oregon State; M.D. (1973), Oregon.
- †J. Catlin Goss, M.D., Clinical Instructor in Surgery (1973).
B.S. (1960), Oregon State; M.D. (1963), Oregon.
- †Walter A. Goss, M.D., Clinical Professor of Pediatrics (1946).
B.S. (1933), Oregon State; M.D. (1937), Oregon.
- †Richard T. Gourley, M.D., Affiliate in Pathology (1967).
B.A. (1958), Reed; M.D. (1963), Oregon.
- †David Gowing, M.D., Associate Clinical Professor of Anesthesiology (1962).
A.B. (1955), Boston; M.D. (1959), Yale.
- Julia L. Grach, M.D., Assistant Professor of Pediatrics (1967).
B.A. (1951), M.D. (1955), University of Santo Thomas (Philippines).

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FACULTY

- †**Michael Graham**, M.D., Clinical Instructor in Orthopedics (1972).
B.S. (1960), Iowa State; M.D. (1964), State University of Iowa.
- Richard H. Grant**, Ed.D., Assistant Professor of Public Health and Preventive Medicine; Coordinator, Needs Assessment Unit and Continuing Education Unit, Oregon Regional Medical Program (1972).
B.S. (1957), M.S. (196), Oregon. M.P.H. (1967), California (Berkeley); Ed.D. (1970), Oregon.
- †**Robert H. Gray**, M.D., Assistant Clinical Professor of Medicine (1961).
B.S. (1953), M.D. (1955), Oregon.
- †**Gerald S. Green**, M.D., Assistant Clinical Professor of Radiology (Diagnosis) (1969).
B.S. (1960), California (Berkeley); M.D. (1963), California (San Francisco).
- †**Merwyn Greenlick**, Ph.D., Associate Clinical Professor of Public Health and Preventive Medicine (1970).
B.S. (1957), M.S. (1961), Wayne State; Ph.D. (1967), Michigan.
- Monte A. Greer**, M.D., Professor of Medicine; Head of Division of Endocrinology (1956).
A.B. (1944), M.D. (1947), Stanford.
- †**Victor Gregory**, M.D., Assistant Clinical Professor of Psychiatry (1966).
M.D. (1951), Illinois.
- †**John J. Greve**, M.D., Senior Clinical Instructor in Medicine (1968).
B.A. (1958), M.D. (1962), Iowa.
- †**Ray V. Grewe**, M.D., Clinical Instructor in Neurosurgery (1958).
B.S. (1945), University of Washington; M.D. (1947), Oregon.
- †**Charles K. Griffin**, M.D., Clinical Instructor in Medicine (1971).
B.A. (1961), California (Berkeley); M.D. (1966), George Washington.
- †**Thomas K. Griffith**, M.D., Clinical Instructor in Obstetrics and Gynecology (1968).
B.A. (1951), M.D. (1955), Iowa.
- †**Robert John Grimm**, M.D., Associate Professor of Neurology (Good Samaritan Hospital) (1969).
B.S. (1957), Antioch; M.S. (1959), M.D. (1961), Michigan.
- †**Price Gripekoven**, M.D., Clinical Instructor in Orthopedics (1973).
B.A. (1962), Williams; M.D. (1966), Cornell.
- Herbert E. Griswold**, M.D., Professor of Medicine (1949).
B.A. (1939), Reed; M.S., M.D. (1943), Oregon.
- †**Thomas L. Gritzka**, M.D., Clinical Instructor in Orthopedics (1973).
A.B. (1959), M.D. (1963), Harvard.
- †**LeRoy E. Groshong**, M.D., Associate Clinical Professor of Surgery (1956).
B.S., M.D. (1949), Nebraska.
- †**Edward A. Grossenbacher**, M.D., Clinical Instructor in Orthopedics (1971).
B.A. (1960), Willamette; M.D. (1964), Oregon.
- †**Harry E. Groth**, M.D., Senior Clinical Instructor in Orthopedics (1963).
B.S. (1952), M.D. (1955), Wisconsin.
- †**J. Gordon Grout**, M.D., Assistant Clinical Professor of Surgery (1959).
A.B. (1949), Stanford; M.D. (1954), Oregon.
- M. Roberts Grover, Jr.**, M.D., Associate Dean; Professor of Medicine (1958).
B.A. (1950), Bowdoin; M.D. (1954), Cornell; M.S. (1956), Oregon.
- †**Guy K. Guffee**, M.D., Senior Clinical Instructor in Surgery (1970).
B.A. (1958), Texas; M.D. (1962), Texas (Galveston).
- John S. Gullikson**, D.D.S., Associate Professor of Dentistry; Associate Professor, Crippled Children's Division (1963).
B.S. (1950), Washington State; D.D.S. (1954), University of Washington.
- †**Raymond T. Gustafson**, M.D., Clinical Instructor in Family Practice (1971).
B.S. (1952), M.D. (1955), Wisconsin.
- †**Russell G. Gustavson**, M.D., Assistant Clinical Professor of Surgery (1957).
B.A. (1950), M.D. (1952), Nebraska.
- William D. Guyer**, M.D., Associate Professor of Orthopedics; Associate Professor, Crippled Children's Division (1971).
B.S. (1948), Oregon State; M.D. (1953), Oregon.
- †**Helmuth Haas**, M.D., Associate Professor of Medicine (Veterans Hospital) (1966).
B.S. (1956), M.D. (1958), Minnesota.
- †**Seymour Haber**, M.D., Clinical Instructor in Radiology (Diagnosis) (1970).
A.B. (1949), Park; M.D. (1954), State University of New York.
- †**Clarence H. Hagmeier**, M.D., Clinical Instructor in Anesthesiology (1967).
B.S. (1943), M.D. (1950), Pittsburgh.
- †**Charles R. Hahn**, M.D., Clinical Instructor in Dermatology (1972).
B.A. (1960), M.D. (1964), Oklahoma.
- James E. Haines**, M.D., Associate Professor of Clinical Pathology and Radiation Therapy (Nuclear Medicine) (1966).
B.S. (1950), M.D. (1955), Stanford.
- †**Robert Hakala**, M.D., Clinical Instructor in Family Practice (1973).
B.A. (1963), Willamette; M.D. (1967), Oregon.
- B. John Hale**, M.S.W., M.P.H., Assistant Professor, Crippled Children's Division (1970).
B.S. (1964), Weber State; M.S.W. (1966), Utah; M.P.H. (1970), California (Berkeley).

MEDICAL SCHOOL FACULTY

- †**Larry J. Hall, M.D.**, Clinical Instructor in Pediatrics (1970).
B.A. (1962), M.D. (1963), Oregon.
- †**Roy E. Hall, M.D.**, Assistant Clinical Professor of Family Practice (1973).
A.B. (1962), Northwest Nazarene; M.D. (1966), Oregon.
- †**Roger W. Hallin, M.D.**, Assistant Clinical Professor of Surgery (1962).
M.D., C.M. (1952), McGill.
- Jules V. Hallum, Ph.D.**, Professor of Microbiology and Immunology, Chairman of Department (1973).
B.A. (1948), Minnesota; Ph.D., (1952), Iowa.
- †**Luis E. Halpert, M.D.**, Clinical Instructor in Urology (1963).
B.S. (1946), M.D. (1953), Universidad Nacional Autonoma de Mexico.
- Martha L. Hamilton, M.D.**, Professor of Clinical Pathology (Medical Technology) (1957).
B.S. (1945), Texas Wesleyan; M.D. (1952), Texas.
- John P. Hammerstad, M.D.**, Assistant Professor of Neurology (1972).
A.B. (1960), Stanford; M.D. (1964), Chicago.
- †**John R. Hand, M.D.**, Clinical Professor of Urology (1932).
B.S. (1921), B.M. (1923), M.D. (1924), M.S. (1936), Minnesota.
- †**Robert F. Haney, M.D.**, Assistant Clinical Professor of Ophthalmology (1965).
B.S. (1955), M.D. (1958), Oregon.
- Constance Hanf, Ph.D.**, Associate Professor of Medical Psychology; Associate Professor, Crippled Children's Division (1963).
B.A. (1938), M.A. (1943), New York University; M.A. (1952), College of City of New York; Ph.D. (1961), Pennsylvania State.
- Jon M. Hanifin, M.D.**, Assistant Professor of Dermatology (1971).
M.D. (1965), Minnesota.
- †**Mark R. Hanschka, M.D.**, Clinical Instructor in Obstetrics and Gynecology (1969).
B.A. (1955), Amherst; M.D. (1961), Harvard.
- †**John R. Hansen, M.D.**, Associate Clinical Professor of Pediatrics (1950).
B.S. (1939), University of Washington; M.D. (1946), Oregon.
- †**Robert M. Hansen, M.D.**, Clinical Professor of Otolaryngology (1948).
B.S. (1935), Nevada; M.D. (1939), Baylor.
- †**George S. Hara, M.D.**, Clinical Instructor in Obstetrics and Gynecology (1957).
B.A. (1948), M.D. (1953), Oregon.
- †**James V. Harber, M.D.**, Clinical Instructor in Anesthesiology (1959).
B.S. (1953), M.D. (1955), Oregon.
- †**John Harder, M.D.**, Clinical Instructor in Orthopedics (1959).
B.A. (1945), Whitman; M.D. (1949), Oregon.
- †**John B. Hardiman, M.D.**, Affiliate in Anatomy and Senior Clinical Instructor in Orthopedics (1972).
B.S. (1962), University of Portland; M.D. (1965), Oregon.
- †**George Thomas Harding, Jr., M.D.**, Senior Clinical Instructor in Surgery (1966).
M.D. (1958), University of Washington.
- †**Robert L. Hare, M.D.**, Clinical Professor of Medicine (1956).
B.S. (1947), M.D. (1949), Illinois; M.S. (1956), Minnesota.
- †**Allen D. Harlor, Jr., M.D.**, Assistant Clinical Professor of Pediatrics (1966).
B.S. (1957), M.D. (1961), M.S. (1964), Ohio State.
- Robert G. Harper, Ph.D.**, Assistant Professor of Medical Psychology (1974).
A.B. (1966), California (Berkeley); Ph.D. (1971), Texas.
- †**Bernard P. Harpole, M.D.**, Clinical Instructor in Family Practice (1949).
B.S. (1935), M.D. (1939), St. Louis.
- †**William D. Harrison, M.D.**, Clinical Instructor in Continuing Medical Education (1970).
B.S. (1945), Willamette; M.D. (1949), Oregon.
- †**Joseph T. Hart, M.D.**, Clinical Professor of Pediatrics (1950).
B.S.M. (1941), M.D. (1942), Creighton.
- †**Thomas J. Hart, Jr., M.D.**, Clinical Instructor in Obstetrics and Gynecology (1972).
B.A. (1959), St. John; M.D. (1962), Minnesota.
- †**James T. Hartford, M.D.**, Associate Clinical Professor of Pediatrics (1966).
B.A. (1951), Portland; M.D. (1961), Oregon.
- Frederic M. Harwin, M.S.**, Unit Supervisor, Medical Graphics; Assistant Professor (1969).
B.F.A. (1965), Wayne State; M.S. (1967), Michigan.
- †**Roger W. Haskell, M.D.**, Assistant Clinical Professor of Public Health and Preventive Medicine (1972).
B.A. (1950), Wesleyan; M.D. (1958), Liège (Belgium); M.P.H. (1966), California (Berkeley).
- †**Mark T. Hattenhauer, M.D.**, Clinical Instructor in Medicine (1972).
B.S. (1963), Portland State; M.D. (1966), Oregon.
- †**Arthur L. Hauge, M.D.**, Clinical Instructor in Orthopedics (1973).
B.A. (1949), California (Berkeley); B.S. (1960), University of Portland; M.D. (1962), Oregon.
- †**Christopher W. Hauge, M.D.**, Clinical Instructor in Surgery (1973).
B.A. (1960), Harvard; M.D. (1964), Yale.
- Frederick P. Haugen, M.D.**, Professor of Anesthesiology (1948).
B.A. (1933), M.D. (1935), Oregon.

FACULTY

- †**Thomas Haun, M.D.**, Senior Clinical Instructor in Medicine (1963).
M.D. (1957), Creighton.
- †**John F. Hayes, M.D.**, Clinical Instructor in Surgery (1955).
B.A. (1945), Oregon State; M.D. (1947), Oregon.
- †**Gordon D. Haynie, M.D.**, Associate Professor of Medicine (Veterans Hospital) (1961).
B.S. (1949), Idaho State; M.D. (1953), Oregon.
- †**John R. Hazel, M.D.**, Clinical Instructor in Orthopedics (1966).
B.A. (1953), Portland; M.D. (1958), Oregon.
- Frederick Hecht, M.D.**, Professor of Pediatrics and Medical Genetics; Professor, Crippled Children's Division (1965).
B.A. (1952), Dartmouth; M.D. (1960), Rochester.
- Jack R. Hegrenes, Ph.D.**, Associate Professor, Crippled Children's Division (1967).
B.S. (1952), M.S. (1955), Oregon; M.A. (1960), Ph.D. (1970), Chicago.
- †**Nancy M. Heisley, M.Ed.**, Associate Clinical Professor of Speech Pathology (1972).
B.S. (1958), Portland State; M.Ed. (1959), University of Portland.
- †**Ralph F. Helzerman, M.D.**, Clinical Instructor in Ophthalmology (1974).
M.D. (1967), Michigan.
- †**William J. Hemphill, M.D.**, Clinical Instructor in Dermatology (1961).
M.D. (1947), Oklahoma.
- †**J. Allan Henderson, M.D.**, Clinical Instructor in Family Practice and Continuing Medical Education (1971).
B.S. (1950), University of Washington; M.D. (1953), Oregon.
- †**Curtis J. Hendricks, M.D.**, Clinical Instructor in Obstetrics and Gynecology (1969).
B.A. (1948), B.S. (1949), M.B. (1951), M.D. (1952), Minnesota.
- †**Edward L. Hendricks, M.D.**, Associate Clinical Professor of Pediatrics (1955).
B.S. (1946), Oregon State; M.S. (1948), M.D. (1949), Oregon.
- †**Charles P. Henke, M.D.**, Professor of Surgery (Veterans Hospital) (1972).
B.S. (1941), B.M., M.D. (1944), Northwestern.
- Richard Herren, Director**, Instructional Aids; Assistant Professor (1968).
- †**Erwin Hesselberg, M.D.**, Clinical Instructor in Pathology (1972).
B.A. (1958), M.A. (1961), California (Berkeley); M.D. (1966), California (San Francisco).
- Barbara Hiatt, M.S., R.N.**, Assistant Administrator, University Hospital North; Associate Professor of Nursing (1950).
B.S., R.N. (1948), Oregon State; M.S. (1950), Oregon.
- †**William W. Hicks, Jr., M.D.**, Clinical Instructor in Obstetrics and Gynecology (1958).
M.D. (1953), Jefferson; B.S. (1954), University of Washington.
- †**Douglas H. Hildreth, M.D.**, Senior Clinical Instructor in Surgery (1972).
M.D. (1965), Michigan.
- †**Curtis Lyle Hill, M.D.**, Clinical Instructor in Neurosurgery (1969).
A.M.S. (1954), Minnesota; B.A., B.S. (1961), North Dakota; M.D. (1963), Harvard.
- †**John D. Hill, D.V.M.**, Assistant Professor of Medicine (Primate Center) (1968).
B.S. (1958), D.V.M. (1960), Washington State; M.Med.Sci. (1967), Pennsylvania.
- †**Robert V. Hill, M.D.**, Assistant Clinical Professor of Ophthalmology (1948).
B.S. (1936), Oregon State; M.D. (1939), Oregon.
- †**William E. Hill, M.D.**, Associate Clinical Professor of Pediatrics (1962).
B.A. (1947), Maine; M.D. (1951), Tufts.
- Clarence V. Hodges, M.D.**, Professor of Urology; Head of Division (1948).
B.S. (1937), Iowa State; M.D. (1940), Chicago.
- †**Richard A. Hodgson, M.D.**, Senior Clinical Instructor in Otolaryngology (1962).
B.S. (1954), Oregon State; M.D. (1956), Oregon.
- †**Wilbur Holley, M.D.**, Clinical Instructor in Pediatrics (1973).
M.D. (1966), Loyola.
- †**Carl L. Holm, M.D.**, Senior Clinical Instructor in Orthopedics (1961).
B.A. (1940), Willamette; M.D. (1943), Oregon.
- Charles N. Holman, M.D.**, Dean of the Medical School; Professor of Medicine (1940).
B.A. (1931), M.D. (1936), Oregon.
- †**Keith D. Holmes, M.D.**, Clinical Instructor in Surgery (1972).
B.S. (1955), Willamette; M.S., M.D. (1960), Oregon.
- †**Monroe A. Holmes, D.V.M., M.P.H.**, Senior Clinical Instructor in Public Health and Preventive Medicine (1967).
B.S. (1942), University of Washington; D.V.M. (1946), Washington State; M.P.H. (1963), California.
- †**Aina J. Holt, M.D.**, Clinical Instructor in Psychiatry (1972).
M.D. (1943), Latvia.
- Curtis R. Holzgang, M.D.**, Associate Professor of Medicine; Director of Education, Medicine Outpatient Professional Services; Head, Division of General Medicine (1968).
B.A. (1958), M.D., M.S. (1963), Oregon.
- †**Richard J. Hopkins, M.D.**, Associate Clinical Professor of Orthopedics (1950).
B.S. (1943), Idaho; M.D. (1944), Oregon.

MEDICAL SCHOOL FACULTY

- †**Marcus M. Horenstein**, M.D., Associate Clinical Professor of Medicine (1947).
B.A. (1937), M.D. (1941), Oregon.
- †**Velma J. Horenstein**, M.D., Clinical Instructor in Psychiatry (1967).
B.A. (1946), M.D. (1953), Oregon.
- †**Irving J. Horowitz**, M.D., Associate Clinical Professor of Radiology (Therapy) (1959).
B.S. (1946), M.S. (1947), M.D. (1952), Michigan.
- A. Wesley Horton**, Ph.D., Professor of Environmental Medicine and Biochemistry (1962).
B.S. (1940), M.S. (1947), Ph.D. (1948), Yale.
- †**Dale D. Hoskins**, Ph.D., Associate Professor of Biochemistry (Primate Center) (1963).
B.S. (1953), M.S. (1955), Oregon State; Ph.D. (1960), Colorado.
- Donald Houghton**, M.D., Instructor in Pathology (1974).
B.S. (1968), M.D. (1972), Oregon.
- †**Charles F. Howard, Jr.**, Ph.D., Assistant Professor of Biochemistry (Primate Center) (1965).
B.A. (1954), Colorado State College; M.A. (1958), Colorado State; M.S. (1961), Ph.D. (1963), Wisconsin.
- †**Martin A. Howard**, M.D., Assistant Clinical Professor of Surgery (1929).
B.S. (1923), M.D. (1926), Oregon.
- †**Jay C. Hoyt**, M.D., Assistant Clinical Professor of Medicine (1956).
B.S. (1946), B.M. (1947), M.D. (1947), Minnesota.
- †**Funan Hu**, M.D., Professor of Dermatology (Primate Center) (1956).
M.D. (1942), National Medical College of Shanghai.
- †**Grant B. Hughes**, M.D., Assistant Clinical Professor of Psychiatry (1963).
M.D. (1944), Temple.
- Margaret E. Hughes**, B.S., Librarian; Professor (1946).
B.S. (1937), Minnesota.
- †**Paul Q. Hull**, M.D., Clinical Instructor in Medicine (1969).
B.S. (1959), M.D. (1963), University of Washington.
- Errett E. Hummel**, M.D., Assistant Professor of Neurosurgery (1974).
B.S. (1962), Portland State; M.D. (1966), Oregon.
- †**Arthur F. Hunter**, M.D., Associate Clinical Professor of Radiology (Diagnosis) (1946).
A.B. (1930), Denver; M.D. (1933), Colorado.
- Leslie W. Hunter**, M.S.W., Director, Medical Social Service Department; Professor (1965).
M.A. (1944), Royal Hungarian Peter Pazmany University (Budapest); M.S.W. (1956), Southern California.
- †**Peter L. Hurst**, M.D., Associate Clinical Professor of Pediatrics (1956).
B.S. (1950), Antioch; M.D. (1950), Washington University.
- †**William W. Hurst**, M.D., Associate Clinical Professor of Medicine (1952).
B.S. (1942), Idaho State; B.M. (1945), M.D. (1946), Northwestern.
- †**Arnold V. Hurtado**, M.D., Associate Clinical Professor of Medicine (1974).
B.A. (1948), Oberlin; M.D. (1952), Tufts.
- †**Crittenden Huston**, M.D., Clinical Instructor in Family Practice (1967).
B.A. (1949), Linfield; M.D. (1953), Oregon.
- Tyra T. Hutchens**, M.D., Professor of Clinical Pathology; Chairman of Department (1953).
B.S. (1943), M.D. (1945), Oregon.
- †**Wendell H. Hutchens**, M.D., Associate Clinical Professor of Psychiatry (1967).
B.S. (1928), Pacific College (George Fox); A.B. (1929), M.D. (1932), Oregon.
- John J. Hutchins**, M.H.A., Administrator, Outpatient Clinic; Assistant Professor (1970).
B.S. (1967), Oregon State; M.H.A. (1970), U.C.L.A.
- †**Alfred C. Hutchinson**, M.D., Clinical Instructor in Family Practice (1970).
M.D. (1943), Oregon.
- Jack H. Hutchinson**, B.A., Instructor in Medicine (1961).
B.A. (1949), Lewis and Clark; N.R.C.C. (C), (1971).
- †**Peter B. Hutchinson**, M.D., Clinical Instructor in Medicine (1970).
B.A. (1959), Johns Hopkins; M.D. (1963), McGill.
- †**Theodore L. Hyde**, M.D., Assistant Clinical Professor of Surgery (1964).
B.S. (1925), Minnesota; M.D. (1927), Harvard.
- †**Milton D. Hyman**, M.D., Associate Clinical Professor of Radiology (Therapy) (1945).
B.A. (1932), College of City of New York; M.S. (1933), M.D. (1937), Long Island (New York University).
- †**Selma Hyman**, M.D., Associate Clinical Professor of Radiology (Therapy) (1944).
B.S. (1932), M.D. (1938), New York University.
- Barbara Iglewski**, Ph.D., Associate Professor of Microbiology and Immunology (1968).
B.S. (1960), Allegheny; M.S. (1962), Ph.D. (1964), Pennsylvania State.
- Wallace Iglewski**, Ph.D., Associate Professor of Microbiology and Immunology (1968).
B.A. (1961), Western Reserve; B.S. (1963), Ph.D. (1965), Pennsylvania State.
- †**James Donald Imbrie**, M.D., Assistant Clinical Professor of Otolaryngology (1967).
B.S. (1957), M.D. (1959), Oregon.

† Volunteer.

FACULTY

- †**Toshio Inahara**, M.D., Assistant Clinical Professor of Surgery (1956).
B.S. (1948), M.D. (1950), Oregon.
- Leonoor Ingraham**, M.L.S., Acquisitions Librarian; Instructor (1973).
B.A. (1962), Scripps; M.L.S. (1967), Simmons.
- †**Joseph A. Intile**, M.D., Clinical Instructor in Medicine (1968).
B.S. (1953), City College of New York; M.D. (1957), New York Medical College.
- †**Willis J. Irvine**, M.D., Clinical Instructor in Family Practice (1970).
M.D. (1948), Oregon.
- Samuel Irwin**, Ph.D., Professor of Pharmacology in Psychiatry (1964).
B.A. (1948), Rutgers; Ph.D. (1954), Michigan.
- John B. Isom**, M.D., Associate Professor of Neurology and Professor of Pediatrics (1963).
B.A. (1950), M.D. (1954), Vanderbilt.
- Russell H. Jackson**, Ph.D., Associate Professor of Medical Psychology; Associate Professor, Crippled Children's Division (1968).
B.S. (1963), M.S. (1964), Brigham Young; Ph.D. (1968), Ohio State.
- William W. Jackson**, B.S., Affirmative Action Officer; Assistant Professor (1965).
B.S. (1949), Howard.
- Stanley W. Jacob**, M.D., Associate Professor of Surgery (1959).
B.A. (1945), M.D. (1948), Ohio State.
- †**Paul O. Jacobs**, M.D., Clinical Instructor in Medicine (1974).
B.A. (1964), M.D. (1967), U.C.L.A.
- †**Wesley R. Jacobs**, M.D., Senior Clinical Instructor in Medicine (1967).
M.S., M.D. (1960), Oregon.
- †**Frank M. Jacobson**, M.D., Assistant Clinical Professor of Pediatrics (1962).
M.D. (1951), Oregon.
- †**David W. James**, M.D., Assistant Clinical Professor of Obstetrics and Gynecology (1949).
B.S. (1930), Denison; M.D. (1933), Ohio State; M.S. (1940), Wayne State.
- †**Stanley L. James**, M.D., Senior Clinical Instructor in Orthopedics (1967).
B.A. (1953), M.D. (1962), Iowa.
- †**John Paul Jarabak**, D.D.S., Professor of Dentistry (1960).
D.D.S. (1938), Indiana.
- †**J. Theodore Jastak**, D.D.S., Ph.D., Associate Professor of Dentistry (1969).
D.D.S. (1962), Seton Hall; Ph.D. (1967), Rochester.
- †**Jack D. Jefferson**, M.D., Senior Clinical Instructor in Surgery (1967).
B.A. (1958), M.D. (1962), Missouri.
- †**Naraindas B. Jetmalani**, D.P.M., Assistant Clinical Professor of Psychiatry (1964).
D.P.M. (1953), Netherne Hospital (England).
- Banoo Jhaveri**, M.D., Assistant Professor of Pediatrics (1972).
M.D. (1963), Lady Hardinge Medical College.
- †**Mustan D. Jhaveri**, M.D., Clinical Instructor in Urology (1973).
M.D. (1961), B.J. Medical College (India).
- †**Marvin M. John**, M.D., Clinical Instructor in Family Practice (1971).
B.A. (1951), M.D. (1954), Oregon.
- †**Donald R. Johnson**, M.D., Clinical Instructor in Ophthalmology (1965).
B.A. (1951), Minnesota; A.M. (1952), Harvard; M.D. (1961), Stanford.
- Florence E. Johnson**, M.A., A.M., Serials Librarian; Assistant Professor (1970).
B.A. (1939), M.A. (1952), Toronto; A.M. (1964), Chicago.
- †**Gerald E. Johnson**, M.D., Clinical Instructor in Radiology (Diagnosis) (1972).
B.S. (1953), M.D. (1956), Wisconsin.
- †**Lloyd E. Johnson**, M.D., Clinical Instructor in Pediatrics (1972).
B.S. (1949), M.D. (1950), Minnesota.
- †**Raymond M. Johnson, Jr.**, M.D., Clinical Instructor in Family Practice (1971).
B.S. (1955), M.D. (1957), Oregon.
- †**Roderick L. Johnson**, M.D., Senior Clinical Instructor in Surgery (1960).
B.S. (1948), M.D. (1951), University of Washington.
- †**Warren E. Johnson**, Ph.D., Assistant Professor of Otolaryngology (Audiology) (Portland Center for Hearing and Speech) (1962).
A.B. (1949), Wabash; M.A. (1950), Northwestern; Ph.D. (1970), Oregon.
- †**Russell L. Johnsrud**, M.D., Assistant Clinical Professor of Surgery (1966).
B.A. (1930), M.D. (1933), Oregon.
- †**Charles E. Johnston**, M.D., Clinical Instructor in Psychiatry (1970).
B.A. (1955), Duke; M.D. (1962), Medical College of Virginia.
- George I. Johnston**, B.S., Director of Research Instrument Service; Associate Professor (1961).
B.S. (1955), Johns Hopkins.
- Russell L. Jolley**, Ph.D., Instructor in Biochemistry (1968).
B.S. (1943), Texas A&M; M.S. (1954), Ph.D. (1958), Oregon State.
- †**Homer C. Jones, Jr.**, M.D., Senior Instructor in Anesthesiology (Veterans Hospital) (1969).
B.S. (1949), Southern Methodist; M.D. (1952), Texas (Dallas).

MEDICAL SCHOOL FACULTY

- †**Lester T. Jones, M.D.**, Clinical Professor of Otolaryngology and Ophthalmology (1924).
B.A. (1918), Pacific University; M.D. (1921), M.A. (1923), Oregon.
- †**Orville N. Jones, M.D.**, Senior Clinical Instructor in Orthopedics (1947).
B.A. (1931), Reed; M.D., C.M. (1937), McGill.
- Richard T. Jones, M.D., Ph.D.**, Professor of Biochemistry; Chairman of Department (1961).
B.S. (1953), M.S., M.D. (1956), Oregon; Ph.D. (1961), California Institute of Technology.
- †**Lewis W. Jordan, M.D.**, Assistant Clinical Professor of Otolaryngology (1936).
B.S. (1929), M.D. (1931), Oregon.
- Doris Julian, M.N.**, Assistant Professor, Crippled Children's Division (1969).
B.S. (1951), M.N. (1966), University of Washington.
- †**Ellis B. Jump, D.M.D., Ph.D.**, Professor of Anatomy (Dental School) (1969).
B.A. (1932), Dartmouth; D.M.D. (1936), Harvard; Ph.D. (1944), Chicago.
- David Kabat, Ph.D.**, Associate Professor of Biochemistry (1969).
C.B. (1962), Brown; Ph.D. (1967), California Institute of Technology.
- †**Robert L. Kalez, M.D.**, Assistant Clinical Professor of Urology (1963).
B.S. (1954), Gonzaga; M.D. (1957), Creighton.
- †**Huldrick Kammer, M.D.**, Professor of Medicine (Providence Hospital) (1949).
B.A. (1936), Wisconsin; B.M. (1940), M.D. (1941), Northwestern.
- †**Peter J. Kane, M.D.**, Clinical Instructor in Medicine (1974).
M.S. (1965), M.D. (1965), Loyola.
- †**Joseph R. Kantor, M.D.**, Clinical Instructor in Surgery (1967).
B.S.Med. (1958), Creighton; M.D. (1958), Nebraska.
- †**Reinhold Kanzler, M.D.**, Senior Clinical Instructor in Surgery (1958).
B.S. (1934), M.S. (1937), M.D. (1938), Oregon.
- Donald G. Kassebaum, M.D.**, Professor of Medicine (1962).
B.A. (1955), Reed; M.D. (1956), Oregon.
- Ronald M. Katon, M.D.**, Assistant Professor of Medicine (1973).
B.A. (1962), Vermont; M.D. (1966), Chicago.
- †**Edwin A. Kayser, Jr., M.D.**, Clinical Instructor in Orthopedics (1973).
B.A. (1961), M.D. (1965), Cornell.
- †**Eugene A. Kazmierski, M.D.**, Clinical Instructor in Medicine (1971).
M.D. (1963), Warsaw (Poland).
- †**Foster F. Keene, M.D.**, Senior Clinical Instructor in Medicine (1968).
B.A. (1955), M.D. (1959), Stanford.
- Alexander R. Kehayes, M.D.**, Instructor in Anesthesiology (1974).
B.S. (1966), Clemson; M.D. (1970), North Carolina.
- †**John P. Keizer, M.D.**, Associate Clinical Professor of Ophthalmology (1953).
B.A. (1934), M.D. (1937), Oregon.
- †**Harley D. Kelley, M.D.**, Assistant Clinical Professor of Surgery (1965).
B.A. (1955), Pacific; M.D. (1959), Oregon.
- John W. Kendall, Jr., M.D.**, Professor of Medicine; Head, Division of Metabolism (1962).
B.A. (1952), Yale; M.D. (1956), University of Washington.
- †**John H. Kennedy, M.D.**, Clinical Instructor in Physical Medicine and Rehabilitation (1974).
B.S. (1953), Denison; M.D. (1957), M.S. (1970), Ohio State.
- Nancy G. Kennaway, D.Phil.**, Instructor in Medical Genetics (1974).
B.Sc. (1959), Aberdeen (Scotland); D.Phil. (1967), Oxford.
- Charles W. Kerber, M.D.**, Associate Professor of Radiology (Diagnosis) (1972).
B.S. (1958), M.D. (1962), Pittsburgh.
- Max F. Kersbergen, M.A.**, Administrator, University Hospital North; Assistant Professor (1969).
B.S. (1958), M.A. (1963), Iowa.
- †**Stephen Kessler, M.D.**, Assistant Professor of Pathology (1974).
B.S. (1961), M.D. (1965), St. Louis.
- Jack L. Keyes, Ph.D.**, Assistant Professor of Physiology (1971).
B.A. (1963), Linfield; Ph.D. (1970), Oregon.
- †**Ilmar O. Kiesel, M.D.**, Associate Clinical Professor of Radiology (Diagnosis) (1969).
M.D. (1938), M.S. (1942), Tartu (Estonia).
- †**Calvin H. Kiest, Jr., M.D.**, Senior Clinical Instructor in Orthopedics (1960).
B.S. (1951), Oregon State; M.D. (1955), Oregon.
- †**J. Priscilla Kilbourn, Ph.D.**, Instructor in Clinical Pathology (Veterans Hospital) (1973).
B.S. (1958), M.S. (1960), Oregon; Ph.D. (1963), Oregon State.
- Kenneth S. W. Kim, Ph.D.**, Assistant Professor of Clinical Pathology (1972).
B.A. (1953), Hawaii; M.S. (1960), Ph.D. (1964), University of Washington.
- †**Robert Kim, M.D.**, Assistant Clinical Professor of Neurology (1968).
B.S. (1966), Union; M.D. (1961), Rochester.
- †**Reid R. Kimball, M.D.**, Associate Clinical Professor of Psychiatry (1967).
B.S. (1949), Brigham Young; M.D. (1951), Utah.

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- †Philip S. King, III, M.D., Assistant Professor of Physical Medicine and Rehabilitation (Veterans Hospital) (1968).
B.A. (1949), Omaha; M.D. (1952), Nebraska.
- †Frederick A. J. Kingery, M.D., Clinical Professor of Dermatology (1959).
B.S. (1949), Yale; M.D. (1953), New York University.
- †Gerald E. Kinzel, M.D., Assistant Clinical Professor of Obstetrics and Gynecology (1946).
B.A. (1933), M.D. (1936), Oregon.
- †W. Howard Kisner, M.D., Clinical Instructor in Surgery (1973).
B.S. (1961), M.D. (1965), Tulane.
- †George W. Kittinger, Ph.D., Professor of Biochemistry (Primate Center) (1965).
B.S. (1948), M.S. (1950), Northwestern; Ph.D. (1953), Oregon.
- †George D. C. Kjaer, M.D., Clinical Instructor in Psychiatry (1966).
B.A. (1955), M.D. (1959), University of Washington.
- †Alvin Klass, M.D., Clinical Instructor in Ophthalmology (1968).
B.S. (1960), Portland State; M.D. (1963), Oregon.
- Roger L. Klein, M.D., Associate Professor of Anesthesiology (1969).
B.S. (1956), South Dakota; M.D. (1956), Loyola.
- †Harvey D. Klevit, M.D., Clinical Professor of Pediatrics (1964).
A.B. (1952), M.D. (1956), Temple.
- †David D. Kliever, M.D., Assistant Clinical Professor of Medicine (1968).
B.S. (1939), Wheaton; M.D. (1951), Harvard.
- †Edward K. Kloos, M.D., Assistant Clinical Professor of Neurosurgery (1948).
A.B. (1934), Western Reserve; M.D. (1938), Rochester; M.S. (1943), Minnesota.
- Frank E. Kloster, M.D., Professor of Medicine; Head of the Division of Cardiology (1965).
B.S. (1955), Iowa State; M.D. (1958), Iowa.
- †Wallace H. Knapp, Jr., M.D., Clinical Instructor in Dermatology (1974).
A.B. (1965), M.D. (1968), Indiana.
- †Mark S. Kochevar, M.D., Clinical Instructor in Family Practice (1971).
B.S. (1952), M.D. (1955), Colorado.
- †Teodor Koivastik, Ph.D., Instructor in Clinical Pathology (Veterans Hospital) (1973).
D.V.M. (1936), Ph.D. (1944), Tartu (Estonia).
- †Delbert M. Kole, M.D., Assistant Clinical Professor of Psychiatry (1968).
B.S. (1958), Washington State; M.S., M.D. (1962), Oregon.
- Robert D. Koler, M.D., Professor of Medicine; Head of Division of Medical Genetics (1953).
B.A. (1945), M.D. (1947), Oregon.
- John D. Koontz, B.S., Assistant Professor of Clinical Pathology (1963).
B.S. (1954), Oregon.
- †Ira B. Korman, Ph.D., Clinical Instructor in Psychiatry (Psychology) (1972).
B.A. (1967), Hunter; M.S., Ph.D. (1972), Oregon.
- †Edward L. Korn, M.D., Clinical Instructor in Otolaryngology (1968).
B.A. (1957), Ohio Wesleyan; M.D. (1961), Ohio State.
- Nancy Kosterlitz, M.A., Associate Professor of Psychiatry (Psychiatric Social Work) (1962).
B.A. (1945), M.A. (1950), Chicago.
- †Richard H. Kosterlitz, M.D., Assistant Clinical Professor of Medicine (1958).
B.S., M.D. (1949), Illinois.
- †Arthur D. Kracke, M.D., Associate Clinical Professor of Pediatrics (1963).
B.A. (1955), North Dakota; M.D. (1958), McGill.
- †Lewis J. Krakauer, M.D., Assistant Clinical Professor of Medicine (1956).
A.B. (1947), Williams; M.D. (1951), Harvard.
- †John C. Krauss, M.D., Clinical Instructor in Obstetrics and Gynecology (1970).
B.A. (1959), Hope; M.D. (1963), Wayne State.
- †Alfred J. Kreft, M.D., Senior Clinical Instructor in Ophthalmology (1951).
B.S. (1933), M.D. (1936), Illinois.
- †Edna Louise Kremkau, M.D., Assistant Clinical Professor of Medicine (1970).
B.A. (1963), M.D. (1965), Oregon.
- †Paul O. Kretschmar, M.D., Assistant Clinical Professor of Medicine (1961).
B.S. (1952), South Dakota; M.D. (1954), Illinois.
- Marion L. Krippaehne, M.D., Associate Professor of Medicine (1952).
B.S. (1944), University of Washington; M.D. (1948), Oregon.
- William W. Krippaehne, M.D., Kenneth A. J. Mackenzie Professor of Surgery; Chairman of Department (1953).
B.S. (1943), University of Washington; M.D. (1946), Oregon.
- †John J. Krygier, M.D., Assistant Clinical Professor of Medicine (1943).
B.S. (1936), M.D. (1938), Wisconsin.
- †Clifford Kuhn, M.D., Assistant Clinical Professor of Otolaryngology (1940).
B.A. (1928), M.D. (1932), Oregon; M.A. (1943), Pennsylvania.
- Daniel H. Labby, M.D., Professor of Medicine and Psychiatry (1947).
B.A. (1935), Reed; M.D. (1939), Oregon.

† Volunteer.

MEDICAL SCHOOL FACULTY

- †Alan B. Lachman, M.D., Clinical Instructor in Dermatology (1971).
B.A. (1957), Haverford; M.D. (1962), Maryland.
- †John R. Ladd, M.D., Clinical Instructor in Medicine (1969).
M.D. (1962), Michigan.
- †George H. Lage, M.D., Assistant Clinical Professor of Obstetrics and Gynecology (1942).
B.A. (1936), Oregon State; M.D. (1939), Oregon.
- †Donald R. Laird, M.D., Assistant Clinical Professor of Surgery (1939).
A.B. (1928), Grinnell; M.S. (1933), M.D. (1934), Rush (University of Chicago); M.S. (1938), Minnesota.
- †Richard A. Lalli, M.D., Assistant Clinical Professor of Ophthalmology (1963).
B.S. (1954), Oregon State; M.D. (1956), Oregon.
- †LeRoy Lamoreaux, M.D., Clinical Instructor in Anesthesiology (1972).
B.A. (1952), Reed; M.D. (1956), Oregon.
- †Darrell W. Landrey, M.D., Assistant Clinical Professor of Otolaryngology (1964).
B.Sc. (1954), Portland; M.D. (1956), Oregon.
- †Ivan I. Langley, M.D., Associate Clinical Professor of Obstetrics and Gynecology (1967).
B.A. (1940), Oregon State; M.D. (1943), Oregon.
- †Laurence R. Langston, M.D., Assistant Clinical Professor of Orthopedics (1956).
B.A. (1947), M.D. (1951), Oregon.
- †Albert E. Larner, M.D., Ph.D., Clinical Instructor in Dermatology (1963).
B.S.A. (1946), Ontario Agriculture College; M.S. (1948), Toronto; Ph.D. (1955), Michigan; M.D. (1959), Toronto.
- †Jerry K. Larsen, M.D., Clinical Instructor in Psychiatry (1972).
B.S. (1964), M.D. (1968), Oregon.
- †Walter G. Larsen, M.D., Associate Clinical Professor of Dermatology (1970).
B.S. (1956), California; M.D. (1960), Southern California.
- †L. William Larson, M.D., Associate Clinical Professor of Medicine (1959).
B.S. (1949), M.D. (1951), Minnesota.
- †Robert L. Larson, M.D., Senior Clinical Instructor in Orthopedics (1962).
B.A. (1949), Montana State University; M.D. (1953), George Washington; M.S. (1960), Minnesota.
- †Wilbur L. E. Larson, M.D., Associate Clinical Professor of Neurology (1968).
B.A. (1962), M.D. (1945), Oregon.
- Russell K. Lawson, M.D., Associate Professor of Urology (1968).
B.S. (1962), M.D. (1963), Oregon.
- Walter H. Lawson, Jr., M.D., Associate Professor of Medicine (1971).
M.D. (1957), Arkansas.
- †William C. Lawton, M.D., Clinical Instructor in Family Practice (1971).
B.A. (1958), Montana; M.D. (1962), Utah.
- †Richard Lazere, Ph.D., Lecturer in Medical Psychology (1970).
B.S. (1963), State University of Iowa; M.A. (1964), Long Island; Ph.D. (1969), Waterloo.
- †John B. Leary, M.D., Clinical Instructor in Radiology (Diagnosis) (1970).
B.S. (1961), M.S. (1961), Minnesota.
- †Gary H. Leaverton, M.D., Associate Clinical Professor of Surgery (1962).
B.S. (1953), M.D. (1955), Oregon.
- †Chang H. Lee, M.D., Senior Clinical Instructor in Surgery (1971).
B.S. (1953), Oregon State; M.D. (1957), Oregon.
- †G. Prentiss Lee, M.D., Clinical Instructor in Surgery (1952).
B.A. (1939), Reed; M.D. (1943), Oregon.
- †Harry A. Lee, M.D., Clinical Instructor in Obstetrics and Gynecology (1967).
B.S. (1953), M.D. (1961), Colorado.
- †J. Robert Lee, M.D., Associate Clinical Professor of Radiology (Therapy) (1955).
B.A. (1944), Willamette; M.D. (1946), Oregon.
- †T. David Lee, Jr., M.D., Assistant Clinical Professor of Medicine (1965).
A.B. (1954), Dartmouth; M.D. (1957), Harvard.
- Timothy G. Lee, M.D., Instructor in Radiology (Diagnosis) (1973).
B.A. (1961), Monmouth; M.D. (1965), Illinois.
- Martin H. Lees, M.D., Professor of Pediatrics (1963).
M.D. (1955), London University.
- †Theodore H. Lehman, M.D., Associate Clinical Professor of Urology (1958).
B.A. (1948), M.A. (1949), M.D. (1953), Nebraska.
- †Berthold Leibrecht, M.D., Clinical Instructor in Pediatrics (1970).
M.D. (1961), L.M. University (Germany).
- †Fernando Leon, M.D., Clinical Instructor in Cardio-pulmonary Surgery (1968).
B.S. (1948), M.D. (1955), University of Mexico.
- Gerrie A. Leslie, Ph.D., Associate Professor of Microbiology and Immunology (1974).
B.Sc. (1962), M.Sc. (1965), Alberta; Ph.D. (1968), Hawaii.
- †Richard L. Lessel, M.P.H., Senior Instructor in Public Health and Preventive Medicine (1960).
B.S. (1957), University of Washington; M.P.H. (1959), North Carolina.
- Benjamin S. Leung, Ph.D., Associate Professor of Surgery (1971).
B.S. (1963), Seattle Pacific; Ph.D. (1969), Colorado State.

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FACULTY

- †**Larry V. Lewman, M.D.**, Instructor in Pathology (1971).
B.A. (1963), Kansas State; M.D. (1967), Kansas.
- †**Muriel D. Lezak, Ph.D.**, Assistant Professor of Neurology (Veterans Hospital) (1968).
Ph.B. (1947), A.M. (1949), Chicago; Ph.D. (1960), Portland.
- †**Llewelyn E. Liberman, M.D.**, Clinical Instructor in Medicine (1973).
B.A. (1942), M.D. (1945), Harvard.
- †**Thomas Lindell, M.D.**, Assistant Professor of Surgery (Veterans Hospital) (1973).
A.B. (1964), M.D. (1967), Stanford.
- James E. Lindemann, Ph.D.**, Professor of Medical Psychology; Professor, Crippled Children's Division (1963).
B.S. (1950), M.S. (1951), Ph.D. (1954), Pennsylvania State.
- David Linder, M.D.**, Associate Professor of Pathology (1970).
M.D. (1951), Rochester.
- †**Aarne J. Lindgren, M.D.**, Assistant Clinical Professor of Medicine (1948).
B.S. (1936), M.S., M.D. (1942), Oregon.
- †**Verner V. Lindgren, M.D.**, Assistant Clinical Professor of Surgery (1950).
B.A. (1942), Gustavus Adolphus; B.S. (1944), B.M. (1945), M.D. (1946), Minnesota.
- †**Richard H. Lindquist, M.D.**, Senior Clinical Instructor in Surgery (1958).
B.S. (1946), South Dakota; M.D. (1947), Louisville.
- †**Charles M. Lindsay, M.D.**, Clinical Instructor in Family Practice and Continuing Medical Education (1971).
M.D. (1950), Utah.
- John Lingas, M.D.**, Associate Professor of Psychiatry (1970).
B.Sc. (1954), M.D. (1959), Alberta.
- James W. Linman, M.D.**, Professor of Medicine (1972).
B.S. (1945), M.D. (1947), Illinois.
- †**John O. Lipkin, M.D.**, Assistant Professor of Psychiatry (Veterans Hospital) (1972).
B.A. (1961), Oberlin; M.D. (1961), Cincinnati.
- †**Mack Lipkin, M.D.**, Clinical Professor of Psychiatry (1972).
B.S. (1926), College of City of New York; M.D. (1930), Cornell.
- Adam W. Lis, Ph.D.**, Associate Professor of Obstetrics and Gynecology (1965).
B.S. (1949), Arkansas; B.A. (1954), Ph.D. (1960), California.
- Elaine W. Lis, Ph.D.**, Associate Professor of Nutrition, Crippled Children's Division (1967).
B.A. (1945), Mills; Ph.D. (1960), California.
- †**Gerald T. Lisac, M.D.**, Clinical Instructor in Orthopedics (1972).
M.D. (1963), Oregon.
- Michael Litt, Ph.D.**, Professor of Biochemistry and Medical Genetics (1967).
B.A. (1954), Oberlin; Ph.D. (1958), Harvard.
- †**Ernest T. Livingstone, M.D.**, Associate Clinical Professor of Medicine (1955).
B.A. (1949), Reed; M.S., M.D. (1951), Oregon.
- Walter C. Lobitz, Jr., M.D.**, Professor of Dermatology; Chairman of Department (1959).
B.S. (1939), B.M. (1940), M.D. (1941), Cincinnati; M.Sc. (1945), Minnesota; M.A. (Hon.) (1957), Dartmouth.
- Mary Ann A. Lockwood, B.A.**, Director of Publications; Executive Secretary, Alumni Association; Associate Professor (1965).
B.A. (1964), University of Washington.
- †**Otto L. Loehden, M.D.**, Senior Clinical Instructor in Surgery (1969).
B.S. (1956), M.D. (1958), Oregon.
- Robert W. Loehning, M.D.**, Associate Professor of Anesthesiology (1972).
B.A. (1948), Ph.D. (1952), Wisconsin; M.D. (1954), Western Reserve.
- Catherine A. Loessel, M.P.H.**, Instructor, Crippled Children's Division (1971).
B.S.N. (1967), Michigan; M.P.H. (1970), Hawaii.
- †**Norman D. Logan, M.D.**, Senior Clinical Instructor in Orthopedics (1962).
B.A. (1951), Oregon State; M.D. (1955), Oregon.
- †**Anita A. Lohman, Ph.D.**, Assistant Clinical Professor of Psychiatry (1972).
B.B.A. (1962), City College of New York; M.A. (1966), Ph.D. (1969), Michigan.
- †**George B. Long, M.D.**, Clinical Professor of Medicine (1943).
B.A. (1934), Montana State University; M.D. (1939), Northwestern.
- †**John Wayne Loomis, M.D.**, Associate Clinical Professor of Radiology (Diagnosis) (1951).
B.A. (1940), Reed; M.D. (1943), Oregon.
- Harold M. Louis, D.D.S.**, Assistant Professor, Crippled Children's Division (1970).
D.D.S. (1957), Northwestern.
- Everett W. Lovrien, M.D.**, Associate Professor of Pediatrics and Medicine; Associate Professor, Crippled Children's Division (1966).
B.A. (1955), M.D. (1959), Minnesota.
- †**Lawrence M. Lowell, M.D.**, Assistant Clinical Professor of Cardiopulmonary Surgery (1950).
B.S. (1933), Washington State; M.D. (1936), Oregon.
- †**Richard O. Lowy, M.D.**, Assistant Clinical Professor of Radiology (Therapy) (1973).
B.A. (1961), Williams; M.D. (1965), New Jersey.

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MEDICAL SCHOOL FACULTY

- †**Kuo H. Lu**, Ph.D., Professor of Medical Psychology (Dental School) (1971).
B.S. (1945), National Central (China); M.S. (1948), Ph.D. (1951), Minnesota.
- †**Oscar N. Lucas**, Ph.D., Professor of Dentistry; Affiliate in Medicine (1968).
D.D.S. (1957), Buenos Aires; Ph.D. (1965), Saskatchewan.
- †**Henrik A. B. Lundh**, M.D., Assistant Professor of Medicine (Veterans Hospital) (1965).
M.D. (1957), University of Washington.
- †**Roger C. Lunt**, D.D.S., M.S.D., Assistant Professor of Dentistry (1974).
D.D.S. (1966), California (San Francisco); M.S.D. (1973), University of Washington.
- †**Robert C. Luther**, M.D., Clinical Instructor in Psychiatry (1967).
A.B. (1955), Whitman; M.D. (1959), Oregon.
- †**William R. McAllister**, M.D., Senior Clinical Instructor in Surgery (1967).
B.S. (1959), M.D. (1962), Northwestern.
- John H. McAnulty**, M.D., Assistant Professor of Medicine (1974).
B.A. (1965), Amherst; M.D. (1969), Tufts.
- †**Frank D. McBarron**, M.D., Clinical Instructor in Medicine (1969).
B.S. (1955), Seattle University; M.D. (1959), Creighton.
- †**William H. McCarthy**, M.D., Clinical Instructor in Medicine (1970).
B.S. (1956), Gonzaga; M.D. (1959), Creighton.
- Elton L. McCawley**, Ph.D., Professor of Pharmacology (1949).
A.B. (1938), M.S. (1939), Ph.D. (1942), California.
- †**David McClure**, Ph.D., Affiliate in Environmental Medicine (1968).
B.S. (1958), Washington State; Ph.D. (1963), University of Washington.
- †**Louis H. McCraw**, M.D., Clinical Instructor in Surgery (1973).
B.S. (1960), M.D. (1963), Mississippi.
- †**Guy R. McCutchan**, M.D., Assistant Clinical Professor of Medicine (1969).
B.S. (1929), Grand Island; M.D. (1931), Nebraska.
- †**Walter J. McDonald**, M.D., Assistant Professor of Medicine (Veterans Hospital) (1972).
B.A. (1960), Williams; M.D. (1964), University of Michigan.
- †**James R. McDougall**, M.D., Clinical Instructor in Radiology (Diagnosis) (1968).
B.Sc. (1944), Manitoba; M.B. (1949), Laval.
- †**Maurice H. McDowell**, Th.D., Clinical Instructor in Psychiatry (Psychology) (1972).
A.B. (1943), Drury; B.D. (1946), Eden Theological; Th.D. (1963), Iliff.
- †**Robert A. McFarlane**, M.D., Clinical Instructor in Surgery (1971).
B.S. (1956), Lewis and Clark; M.D. (1960), Oregon.
- †**George D. McGeary**, M.D., Clinical Instructor in Continuing Medical Education (1970).
B.S. (1942), M.B. (1944), M.D. (1945), Minnesota.
- Paul McHugh**, M.D., Professor of Psychiatry; Chairman of Department (1973).
B.A. (1952), M.D. (1956), Harvard.
- †**Murdoch E. McIntyre**, M.D., Clinical Instructor in Family Practice (1971).
B.A. (1945), M.D. (1947), Oregon.
- †**Michael J. McKeown**, M.D., Assistant Clinical Professor of Obstetrics and Gynecology (1972).
A.B. (1958), Dartmouth; M.D. (1961), Harvard.
- †**Robert G. McKillop**, M.D., Assistant Clinical Professor of Medicine; Senior Clinical Instructor in Orthopedics (1964).
B.A. (1949), Augustana; B.S. (1954), South Dakota; M.D. (1956), Northwestern.
- †**Donald McKinley**, M.D., Assistant Clinical Professor of Psychiatry (1958).
B.A. (1940), Reed; M.D. (1942), Oregon.
- †**Matthew McKirdie**, M.D., Clinical Professor of Surgery (1940).
B.S. (1929), Chicago; M.D. (1934), Rush (University of Chicago).
- †**Richard H. McLaren**, M.D., Clinical Instructor in Continuing Medical Education (1970).
M.D. (1954), Oregon.
- †**Edward N. McLean**, M.D., Associate Clinical Professor of Ophthalmology (1957).
M.D. (1948), Johns Hopkins.
- †**Raymond A. McMahon**, M.D., Associate Clinical Professor of Medicine (1938).
B.A. (1932), Ripon; M.D. (1937), Wisconsin.
- †**George McNeill**, M.D., Clinical Instructor in Orthopedics (1973).
M.B. (1960), London; M.D. (1964), Western Ontario.
- †**Wilbur P. McNulty**, M.D., Associate Professor of Pathology (Primate Center) (1964).
B.S. (1947), Michigan; M.D. (1952), Yale.
- †**Matthew B. Maberry**, D.V.M., Assistant Professor of Animal Care (1966).
B.S. (1946), D.V.M. (1947), Washington State.
- †**Craig MacCloskey**, M.D., Clinical Instructor in Orthopedics (1974).
B.S., B.S. (1958), Oregon State; M.D. (1968), Oregon.
- †**Curtis A. Macfarlane**, M.D., Assistant Clinical Professor of Urology (1958).
B.A. (1949), M.D. (1951), Wisconsin.
- David W. Macfarlane**, M.D., Associate Professor of Pediatrics; Associate Professor, Crippled Children's Division (1956).
B.S. (1948), M.S., M.D. (1951), Illinois.

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FACULTY

- †**Jean P. Macfarlane**, M.D., Assistant Professor of Medical Genetics; Assistant Professor, Crippled Children's Division (1969).
B.A. (1942), Mount Holyoke; M.D. (1948), Rochester.
- †**James L. Mack**, M.D., Assistant Clinical Professor of Medicine (1967).
B.S. (1959), Portland; M.D. (1961), St. Louis.
- †**William J. M. MacKenzie**, M.B., Ch.B., Assistant Clinical Professor of Psychiatry (1966).
M.B., Ch.B. (1946), Glasgow.
- †**J. Tony Madeira**, M.D., Clinical Instructor in Radiology (Diagnosis) (1973).
B.S. (1963), M.D. (1966), Oklahoma.
- R. Ellen Magenis**, M.D., Assistant Professor, Crippled Children's Division; Assistant Professor of Pediatrics and Medical Genetics (1970).
A.B. (1946), M.D. (1952), Indiana.
- †**Delmar J. Mahler**, Ph.D., Instructor in Medicine (Veterans Hospital) (1971).
B.S. (1949), M.S. (1951), Ph.D. (1958), Nebraska.
- †**Stephen W. Maks**, M.D., Clinical Instructor in Medicine (1959).
B.S. (1950), Portland; M.D. (1953), Creighton.
- †**Manuel R. Malinow**, M.D., Professor of Medicine (Primate Center) (1963).
B.S. (1938), Colegio Nacional de Buenos Aires; M.D. (1944), Buenos Aires Medical School.
- †**Arthur Malley**, Ph.D., Professor of Microbiology and Immunology (Primate Center) (1964).
B.A. (1953), B.S. (1957), San Francisco State; Ph.D. (1961), Oregon State.
- †**Thomas S. Manaugh**, Ph.D., Lecturer in Medical Psychology (1971).
A.B. (1965), California (Berkeley); M.S. (1969), Ph.D. (1971), Oregon.
- †**Leonora B. Manzano-Dantas**, M.D., Clinical Instructor in Medicine (1969).
M.D. (1963), University of the East (Philippines).
- †**Robert W. Marcum**, M.D., Associate Clinical Professor of Surgery (1951).
B.S. (1934), Pacific University; M.D. (1940), Oregon.
- †**R. Kent Markee**, M.D., Clinical Instructor in Surgery (1953).
B.A. (1944), Willamette; M.D. (1946), Oregon.
- †**Richard E. Markley**, M.D., Senior Clinical Instructor in Ophthalmology (1953).
B.A. (1938), Denver; M.D. (1942), Colorado.
- †**Hal Markowitz**, Ph.D., Lecturer in Medical Psychology (1973).
B.A. (1959), M.A. (1960), Long Beach State; Ph.D. (1968), Arizona State.
- John B. Marks**, Ph.D., Associate Professor of Psychiatry (Psychology) (1968).
S.B. (1938), Chicago; M.S. (1940), Wisconsin; Ph.D. (1952), California.
- †**Bernard Marquardt**, M.D., Clinical Instructor in Pediatrics (1972).
B.S. (1963), M.D. (1967), Wisconsin.
- Victor C. Marquardt, Jr.**, M.D., Professor of Clinical Pathology (Medical Technology) (1964).
B.A. (1953), Wesleyan; M.D. (1957), Nebraska.
- †**Robert C. Marshall**, Ph.D., Assistant Clinical Professor of Speech Pathology (1969).
B.A. (1961), California (Santa Barbara); M.S. (1965), Oregon; Ph.D. (1969), Oklahoma.
- †**William R. Marshall**, M.D., Senior Clinical Instructor in Surgery (1970).
B.S. (1954), M.D. (1958), Alabama.
- †**Curtice T. Martin**, M.D., Assistant Clinical Professor of Dermatology (1973).
A.B. (1963), Whitman; M.D. (1967), Oregon.
- †**Don Denman Martin**, M.D., Clinical Instructor in Dermatology (1969).
B.A. (1958), Texas Christian; M.D. (1962), Baylor.
- †**Marian M. Martin**, M.P.H., Senior Clinical Instructor in Public Health and Preventive Medicine (1967).
B.A. (1941), Reed; M.P.H. (1958), California.
- †**Rolland A. Martin**, M.D., Associate Clinical Professor of Public Health and Preventive Medicine (1971).
B.S. (1947), Nebraska; M.D. (1949), Oregon.
- Charles L. Martinson**, M.D., Clinical Instructor in Medicine (1969).
B.S. (1961), M.D. (1963), Oregon.
- Howard S. Mason**, Ph.D., Professor of Biochemistry (1952).
B.S. (1935), M.S. (1936), Ph.D. (1939), Massachusetts Institute of Technology.
- †**James A. Mason**, M.D., Senior Clinical Instructor in Orthopedics (1948).
B.S. (1930), M.D. (1932), Nebraska.
- †**Lawrence C. Mason**, M.D., Clinical Instructor in Pediatrics (1972).
B.S. (1963), University of Portland; M.D. (1967), Oregon.
- †**Robert E. Mass**, M.D., Professor of Medicine (Veterans Hospital) (1957).
B.A. (1948), M.D. (1951), Oregon.
- †**John C. Massar**, M.D., Clinical Professor of Dermatology (1955).
B.S. (1945), University of Washington; M.D. (1948), Oregon.
- †**Oliver N. Massengale**, M.D., Associate Clinical Professor of Pediatrics (1963).
B.A. (1951), Vanderbilt; M.D. (1955), Johns Hopkins.
- †**Adel Matar**, M.B., Clinical Instructor in Cardiopulmonary Surgery (1972).
M.B.B.Ch. (1951), Cairo (Egypt).

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MEDICAL SCHOOL FACULTY

- Joseph D. Matarazzo**, Ph.D., Professor of Medical Psychology; Chairman of Department (1957).
B.A. (1946), Brown; M.S. (1950), Ph.D. (1952), Northwestern.
- Ruth G. Matarazzo**, Ph.D., Professor of Medical Psychology (1957).
B.A. (1948), Brown; M.S. (1952), Ph.D. (1955), Washington University.
- † **Willard L. Mathiesen**, M.D., Clinical Instructor in Surgery (1956).
M.D. (1945), College of Medical Evangelists (Loma Linda).
- † **Roy R. Matteri**, M.D., Associate Clinical Professor of Medicine (1956).
B.S. (1940), M.D. (1942), Creighton.
- † **Minor E. Matthews**, M.D., Senior Clinical Instructor in Medicine (1972).
B.S. (1961), Yale; M.D. (1967), Duke.
- † **Gordon L. Maurice**, M.D., Assistant Clinical Professor of Medicine (1949).
B.S. (1940), Washington State; M.D. (1943), Oregon.
- † **John Arthur May**, M.D., Clinical Professor of Pediatrics (1948).
B.A. (1939), University of Washington; M.D. (1943), Oregon.
- Barry S. Mayer**, M.D., Clinical Instructor in Radiology (Diagnosis) (1974).
B.A. (1960), Rutgers; M.D. (1964), Georgetown.
- † **Roland M. Mayer**, M.D., Assistant Clinical Professor of Surgery (1967).
B.S. (1944), South Dakota; M.D. (1946), Northwestern.
- † **Thomas L. Meador**, M.D., Assistant Clinical Professor of Public Health and Preventive Medicine (1947).
B.A. (1921), M.A. (1924), M.D. (1937), Oregon; M.P.H. (1940), Yale.
- † **Norbert E. Medved**, M.D., Associate Clinical Professor of Medicine (1956).
B.S. (1946), M.D. (1948), Creighton.
- Robert J. Meechan**, M.D., Professor of Pediatrics (1956).
B.A. (1951), Oregon State; M.S., M.D. (1953), Oregon.
- † **Edward Colton Meek, Jr.**, M.D., Affiliate in Pathology (1953).
B.S. (1941), Oregon State; M.D. (1944), Johns Hopkins.
- † **S. Spence Meighan**, M.B., Assistant Clinical Professor of Medicine (1964).
M.B. (1945), Glasgow.
- † **Walter E. Meihoff**, M.D., Assistant Clinical Professor of Medicine (1967).
B.S. (1956), M.D. (1959), Oregon.
- Mary B. Meikle**, Ph.D., Assistant Professor of Otolaryngology and Medical Psychology (1972).
A.B. (1954), Vassar; M.S. (1967), Ph.D. (1969), Oregon.
- Clifford S. Melnyk**, M.D., Professor of Medicine (1967).
M.D. (1959), British Columbia.
- † **Kenneth E. W. Melvin**, M.B., Associate Professor of Medicine (St. Vincent Hospital) (1972).
B.M.S., M.B., Ch.B. (1958), Otago (New Zealand).
- Victor D. Menashe**, M.D., Assistant Dean; Director, Crippled Children's Division, Professor of Pediatrics, Professor, Crippled Children's Division (1958).
B.S. (1951), M.D. (1953), Oregon.
- † **Robert A. Mendelson**, M.D., Associate Clinical Professor of Pediatrics (1964).
B.A. (1955), Reed; M.D. (1959), Oregon.
- † **Ruth L. Mercer**, M.A., Assistant Professor of Dietetics (1958).
B.A. (1941), Kansas; M.A. (1958), Columbia.
- † **Ralph G. Merrill**, D.D.S., M.Sc.D., Professor of Dentistry (1968).
D.D.S. (1959), University of Washington; M.Sc.D. (1963), Boston.
- James E. Merritt**, M.S.W., Instructor, Crippled Children's Division (1970).
B.A. (1949), M.S.W. (1951), University of Washington.
- James Metcalfe**, M.D., Professor of Medicine, Oregon Heart Association Chair of Cardiovascular Research (1961).
A.B. (1944), Brown; M.D. (1946), Harvard.
- † **Donald C. Mettler**, M.D., Assistant Clinical Professor of Otolaryngology (1956).
B.S. (1952), M.D. (1947), Indiana.
- * **Ernest A. Meyer**, Sc.D., Professor of Microbiology and Immunology (1958).
A.B. (1949), California; M.S. (1953), Purdue; Sc.D. (1958), Johns Hopkins.
- † **James V. Meyer**, M.D., Senior Clinical Instructor in Surgery (1965).
B.A. (1948), M.D. (1953), Texas.
- Sam L. Meyer**, M.D., Associate Professor of Ophthalmology (1968).
B.A. (1957), Portland State; M.D., M.S. (1961), Oregon.
- † **Robert L. Mighell**, M.D., Associate Clinical Professor of Psychiatry (1962).
B.A. (1950), M.D. (1953), Iowa.
- † **Bruce H. Miller**, M.D., Associate Clinical Professor of Dermatology (1970).
B.A. (1959), Amherst; M.D. (1963), S.U.N.Y. (Downstate).
- † **David B. Miller Jr.**, M.D., Senior Clinical Instructor in Surgery (1959).
B.A. (1949), Dartmouth; M.D. (1953), New York University.

† Volunteer.

‡ Part-time.

* Leave of absence October 29, 1973 to October 28, 1974.

FACULTY

- †Friedrich Miller, M.D., Clinical Instructor in Pediatrics (1971).
B.S. (1961), M.D. (1964), S.U.N.Y. (Buffalo).
- Gerald W. Miller, Ph.D., Associate Professor of Medical Psychology (1972).
B.S. (1962), Wisconsin State; Ph.D. (1967), Wisconsin.
- †Glenn C. Miller, M.D., Clinical Instructor in Family Practice (1971).
B.A. (1949), Oregon State; M.D. (1953), Washington University.
- †Gordon C. Miller, M.D., Clinical Instructor in Radiology (Diagnosis) (1973).
B.S. (1951), M.D. (1955), Cincinnati.
- Michael J. Miller, M.D., Associate Professor of Pediatrics (1967).
B.S. (1955), Santa Clara; M.D. (1960), Oregon.
- †Robert S. Miller, M.D., Associate Clinical Professor of Radiology (Diagnosis) (1960).
B.A. (1951), Willamette; M.D. (1955), Oregon.
- †William J. Miller, M.D., Clinical Instructor in Pediatrics (1970).
B.S. (1940), Washburn; M.D. (1943), Washington University.
- †John C. Misko, M.D., Clinical Instructor in Neurosurgery (1969).
B.S. (1954), M.D. (1958), Oregon.
- †Joseph C. Mitchell, M.D., Assistant Clinical Professor of Obstetrics and Gynecology (1958).
B.A. (1951), M.D. (1952), Oregon.
- †John M. Molendyk, M.D., Assistant Clinical Professor of Radiology (Therapy) (1973).
A.B. (1963), M.D. (1966), Stanford.
- ‡William Montagna, Ph.D., D.Sc., Professor of Experimental Biology and Dermatology; Head of Division of Experimental Biology (Director, Oregon Regional Primate Center) (1963).
B.A. (1936), Ph.D. (1944), Cornell; D.Sc. (1960), Bethany.
- †Thomas R. Montgomery, M.D., Clinical Professor of Urology (1939).
B.A. (1928), M.D. (1932), Oregon.
- †E. Albert Moody, M.D., Assistant Clinical Professor of Pediatrics (1973).
A.B. (1939), California; M.D. (1943), Rochester.
- Brenda H. Moore, M.A., Instructor, Crippled Children's Division (1973).
B.S. (1966), Puget Sound; M.A. (1971), California (Berkeley).
- †Raymond E. Moore, M.D., Clinical Instructor in Family Practice (1958).
B.A. (1951), Reed; M.D. (1953), Oregon.
- Richard D. Moore, M.D., Professor of Pathology; Chairman of Department (1969).
M.D. (1947), Western Reserve.
- †Robert J. Moore, M.D., Associate Clinical Professor of Urology (1960).
B.A. (1951), M.D. (1955), Oregon.
- †Clarence L. Morgan, M.D., Assistant Clinical Professor of Pediatrics (1973).
B.S. (1954), Tufts; M.D. (1958), Harvard.
- Alan L. Morgenstern, M.D., Associate Professor of Psychiatry (1965).
B.A. (1954), Cornell; M.D. (1959), Duke.
- †James F. Morris, M.D., Professor of Medicine (Veterans Hospital) (1957).
A.B. (1943), Ohio Wesleyan; M.D. (1948), Rochester.
- Robert Morris, B.S., Instructor in Clinical Pathology (1968).
B.S. (1964), Portland State.
- †Thomas E. Morris, Jr., M.D., Associate Clinical Professor of Medicine (1960).
B.A. (1938), Pacific University; M.D. (1952), Oregon.
- †Carl V. Morrison, M.D., Associate Clinical Professor of Psychiatry (Child Psychiatry) (1947).
M.D. (1933), Iowa.
- Stephen A. Morse, Ph.D., Assistant Professor of Microbiology and Immunology (1974).
B.A. (1964), San Jose; M.S.P.H. (1966), Ph.D. (1969), North Carolina.
- William E. Morton, M.D., Dr.P.H., Professor of Public Health and Preventive Medicine; Acting Head of Division of Environmental Medicine (1967).
B.S. (1952), Puget Sound; M.D. (1955), University of Washington; M.P.H. (1960), Dr.P.H. (1962), Michigan.
- William T. Moss, M.D., Professor of Radiology (Therapy), Chairman of Department (1973).
B.S. (1939), The Citadel; B.S., M.S. (1943), Missouri; M.D. (1944), Washington University.
- †Donald G. Moyer, M.D., Assistant Clinical Professor of Dermatology (1967).
B.S. (1952), M.D. (1955), Minnesota.
- †Robert L. Mueller, M.D., Assistant Clinical Professor of Radiology (Diagnosis) (1968).
B.S. (1946), M.D. (1948), Oregon.
- †L. Lee Murdoch, M.D., Associate Clinical Professor of Pediatrics (1967).
B.A. (1957), Doane; M.D. (1960), Nebraska.
- James E. Musgrave, M.D., Assistant Professor of Pediatrics (1972).
A.B. (1961), Westminster; M.D. (1965), Washington University.
- †Paul B. Myers, M.D., Assistant Clinical Professor of Otolaryngology (1950).
B.A. (1944), Oregon State; M.D. (1946), Oregon.
- †Fred C. Nachtigal, M.D., Clinical Instructor in Medicine (1969).
B.A. (1949), B.S. (1953), M.D. (1953), Minnesota.

† Volunteer.

‡ Part-time.

MEDICAL SCHOOL FACULTY

- †**Joseph W. Nadal**, M.D., Assistant Clinical Professor of Surgery (1944).
A.B. (1932), Drury; M.D. (1937), Harvard; M.S. (1941), Michigan.
- †**George A. Nash**, M.D., Clinical Professor of Pediatrics (1954).
B.S. (1945), M.D. (1948), Oregon.
- †**Peter A. Nathan**, M.D., Clinical Instructor in Orthopedics (1970).
B.A. (1957), University College of Arts & Science (New York); B.M.S. (1959), M.D. (1963), Geneva.
- †**Jack Naylor**, M.D., Clinical Instructor in Surgery (1965).
B.A. (1951), Reed; M.S. (1952), Illinois Institute of Technology; M.D. (1957), Oregon.
- †**Wrendell Nealy**, M.D., Clinical Instructor in Family Practice (1972).
B.S. (1959), M.D. (1963), Louisiana State.
- †**Kent E. Neff**, M.D., Clinical Instructor in Psychiatry (1973).
B.A. (1961), Northwestern; M.D. (1965), Pennsylvania.
- †**William A. Neill**, M.D., Associate Professor of Medicine (Veterans Hospital) (1963).
B.A. (1951), Amherst; M.D. (1955), Cornell.
- C. Donald Nelson**, Ph.D., Associate Professor, Crippled Children's Division (1966).
B.S. (1953), M.S. (1957), Utah; Ph.D. (1965), University of Washington.
- †**James D. Nelson**, M.D., Clinical Instructor in Orthopedics (1969).
B.A. (1958), Drake; M.D. (1962), State University of Iowa.
- †**Richard I. Newman**, Ph.D., Clinical Instructor in Psychiatry (Psychology) (1971).
B.A. (1966), California State; M.S. (1968), Ph.D. (1971), Washington State.
- †**Burritt W. Newton**, M.D., Associate Clinical Professor of Obstetrics and Gynecology (1968).
B.A. (1957), Ohio State; M.D. (1961), Western Reserve.
- †**H. Minor Nichols**, M.D., Senior Clinical Instructor in Surgery (1940).
Ph.D. (1930), Yale; M.D. (1934), Oregon; M.S. (1937), Pennsylvania.
- Kenneth A. Niehans**, B.A., Director of Public Affairs; Associate Professor (1963).
B.A. (1957), Oregon.
- Nelson R. Niles**, M.D., Professor of Pathology (1952).
M.D. (1947), Cornell.
- †**Lawrence Noall**, M.D., Associate Clinical Professor of Orthopedics (1941).
B.A. (1931), B.M. (1934), Utah; M.D. (1936), Northwestern.
- †**James E. Noble**, M.D., Clinical Instructor in Pediatrics (1968).
B.A. (1959), M.S., M.D. (1962), Oregon.
- †**Joseph E. Nohlgren**, M.D., Affiliate in Pathology (1949).
B.S. (1935), South Dakota; M.D. (1943), Oregon.
- †**Fred M. Nomura**, M.D., Clinical Instructor in Pediatrics (1972).
M.D. (1962), University of Washington.
- †**Michael Noonan**, M.D., Senior Clinical Instructor in Medicine and Clinical Instructor in Pediatrics (1972).
B.S. (1962), Nebraska; M.D. (1964), Colorado.
- †**Reid Norman**, Ph.D., Assistant Professor of Anatomy (Primate Center) (1973).
B.S. (1966), M.S. (1968), Kansas State; Ph.D. (1971), Kansas.
- †**Miles J. Novy**, M.D., Associate Professor of Obstetrics and Gynecology (1970).
B.A. (1954), Yale; M.D. (1963), Harvard.
- James H. O'Brien**, Ph.D., Associate Professor of Medical Psychology (1968).
B.A. (1959), M.A. (1963), Ph.D. (1966), Michigan.
- †**Ralph D. Odell**, M.D., Senior Clinical Instructor in Surgery (1968).
B.S. (1940), Northwestern; M.A. (1941), Michigan; B.A. (1943), M.D. (1947), Oregon.
- †**Frederick J. Oerther**, M.D., Clinical Instructor in Medicine (1971).
B.A. (1958), Michigan; M.D. (1963), Wayne State.
- †**John D. O'Hollaren**, M.D., Assistant Clinical Professor of Medicine (1959).
B.S. (1945), M.D. (1947), Oregon.
- †**Joseph E. Okies**, M.D., Assistant Professor of Cardiorespiratory Surgery (1974).
B.S. (1973), Texas (El Paso); M.D. (1967), Baylor.
- †**Jay F. O'Leary**, M.D., Assistant Clinical Professor of Pediatrics (1967).
A.B. (1954), Harvard; M.D. (1958), University of Washington.
- †**Arthur Oleinick**, M.D., Associate Professor of Public Health and Preventive Medicine (1971).
A.B. (1957), M.P.H. (1959), Michigan; M.D. (1962), Johns Hopkins.
- George D. Olsen**, M.D., Assistant Professor of Pharmacology; Instructor in Medicine (1970).
A.B. (1962), B.M.S. (1964), Dartmouth; M.D. (1966), Harvard.
- †**Thomas E. Olsen**, M.D., Assistant Professor of Pediatrics (1969).
B.S. (1960), Lewis and Clark; M.D. (1964), Oregon.
- †**Donald E. Olson**, M.D., Ph.D., Associate Clinical Professor of Medicine (1955).
B.A. (1943), Reed; M.S., M.D. (1947), Ph.D. (1948), Oregon.

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FACULTY

- †Donald R. Olson, M.D., Clinical Instructor in Medicine (1969).
B.A. (1959), Carroll; M.D. (1963), Oregon.
- †William R. Olson, M.D., Associate Clinical Professor of Medicine (1961).
B.S. (1950), M.D. (1954), Creighton.
- †Robert W. Olwine, M.D., Senior Clinical Instructor in Surgery (1968).
A.B. (1953), Hamilton; M.D. (1957), Virginia.
- †Richard J. O'Shea, M.D., Clinical Instructor in Family Practice (1971).
B.S. (1945), Oregon State; M.D. (1947), Oregon.
- Shiela Keil Osheroff, M.L., Catalog Librarian; Assistant Professor (1971).
B.A. (1968), Puget Sound; M.L. (1969), University of Washington.
- Harold T. Osterud, M.D., Professor of Public Health and Preventive Medicine; Chairman of Department (1961).
B.S. (1944), Randolph Macon; M.D. (1947), Medical College of Virginia; M.P.H. (1951), North Carolina.
- †Richard D. O'Toole, M.D., Assistant Clinical Professor of Medicine (1971).
B.A. (1956), Williams; M.D. (1963), Cornell.
- †Arthur L. Ovregaard, M.D., Associate Clinical Professor of Radiology (Diagnosis) (1954).
B.A. (1944), College of Idaho; M.D. (1948), Oregon.
- †James G. Owen, M.D., Clinical Instructor in Surgery (1971).
B.S. (1940), Monmouth; M.D. (1943), Washington University.
- †William C. Owens, M.D., Clinical Instructor in Medicine (1972).
B.A. (1963), B.S. (1964), North Dakota; M.D. (1967), University of Washington.
- †Albert A. Oyama, M.D., Clinical Professor of Clinical Pathology; Affiliate in Pathology (1959).
B.S. (1951), M.D. (1953), Oregon.
- †Otto C. Page, M.D., Associate Clinical Professor of Medicine (1952).
B.S. (1941), M.D. (1944), Boston.
- †Marion E. Palmer, M.D., Clinical Instructor in Anesthesiology (1950).
B.S. (1938), Stanford; M.D. (1944), Washington University.
- †Edwin G. Palmrose, M.D., Clinical Instructor in Medicine (1969).
B.S. (1942), M.D. (1944), Oregon.
- †James L. Palotay, D.V.M., Associate Professor of Pathology (Primate Center) (1968).
D.V.M. (1950), Kansas State; M.S. (1958), Colorado State.
- †Kenneth G. Paltrow, M.D., Assistant Clinical Professor of Psychiatry (1967).
B.A. (1954), Cornell; M.D. (1958), New York Medical College.
- †Richard P. Panian, M.D., Senior Clinical Instructor in Otolaryngology (1965).
B.S. (1952), Oregon State; M.D. (1960), Oregon.
- †Loren Pankratz, Ph.D., Assistant Professor of Psychiatry (Psychology) (Veterans Hospital) (1972).
B.S. (1962), M.Ed. (1964), Oregon State; Ph.D. (1968), Oregon.
- †James T. Pappas, M.D., Clinical Instructor in Urology (1973).
B.A. (1964), M.D. (1966), Stanford.
- †Joseph F. Paquet, M.D., Assistant Clinical Professor of Medicine (1944).
M.D. (1940), Duke.
- M. R. Parelus, M.Sc., LL.B., Business Manager; Associate Professor (1962).
B.B.A. (1953), Oregon; M.Sc. (1954), New York University; LL.B. (1962), Northwestern College of Law.
- William D. Parente, M.P.A., Assistant Administrator, Medical School Hospital; Instructor (1972).
B.A. (1964), Princeton; M.P.A. (1972), Cornell.
- †Richard B. Parker, Ph.D., Affiliate in Microbiology and Immunology (Oral Biology and Microbiology, Dental School) (1969).
B.S. (1950), M.S. (1952), Ph.D. (1956), Oregon State.
- Rose Marie Parker, Senior Instructor in Clinical Pathology (Medical Technology) (1967).
- †Max H. Parrott, M.D., Assistant Clinical Professor of Obstetrics and Gynecology (1949).
B.S. (1938), Oregon State; M.D. (1940), Oregon; M.S. (1949), Michigan.
- †Philip F. Parshley, Jr., M.D., Assistant Clinical Professor of Surgery (1964).
A.B. (1953), Dartmouth; M.D. (1956), Harvard.
- †William R. Parsons, M.D., Clinical Instructor in Neurosurgery (1970).
B.A. (1956), Vanderbilt; M.D. (1960), Baylor.
- †John W. Partridge, M.D., Senior Clinical Instructor in Medicine (1957).
B.S. (1943), M.D. (1945), Chicago.
- †Guy A. Parvaresh, M.D., Associate Clinical Professor of Psychiatry (1965).
M.D. (1956), Tehran (Iran).
- †Linda M. Pasztor, Ph.D., Assistant Professor of Dermatology (Primate Center) (1971).
B.A. (1956), Hunter; M.A. (1957), Columbia; Ph.D. (1967), Oregon.
- †Nephi M. Patton, Ph.D., Associate Clinical Professor of Animal Care (1973).
B.S. (1958), Utah State; D.V.M. (1962), California (Davis); Ph.D. (1972), Missouri.

MEDICAL SCHOOL FACULTY

- †**Robert W. Patton**, M.D., Clinical Instructor in Surgery (1951).
B.S. (1936), St. Martin's; M.D. (1942), Creighton.
- †**David P. Paull**, M.D., Associate Clinical Professor of Urology (1953).
B.A. (1942), Antioch; M.D. (1945), Western Reserve.
- †**Duane R. Paulson**, D.D.S., Professor of Dentistry (1957).
B.S. (1949), Puget Sound; D.D.S. (1954), Northwestern.
- ***Harold D. Paxton**, M.D., Professor of Neurosurgery; Head of Division (1956).
M.D. (1948), Johns Hopkins.
- †**Roy A. Payne**, M.D., Associate Clinical Professor of Medicine (1960).
B.S. (1953), Portland; M.D. (1955), Oregon.
- Harper D. Pearse**, M.D., Assistant Professor of Urology (1971).
B.S. (1960), M.D. (1963), Utah.
- †**Frans Peetoom**, M.D., Ph.D., Assistant Clinical Professor of Clinical Pathology (Medical Technology) (1974).
M.D. (1957), Ph.D., (1961), Amsterdam.
- †**George A. Peirson**, M.D., Assistant Professor of Physical Medicine and Rehabilitation (Veterans Hospital) (1966).
B.A. (1945), Oregon State; M.D. (1947), Oregon.
- Rodney O. Pelson**, Ph.D., Assistant Professor of Audiology (Clinical Audiology) (1974).
B.S. (1967), M.S. (1969), Portland State; Ph.D. (1972), University of Washington.
- †**Rhesa Lee Penn**, M.D., Associate Clinical Professor of Public Health and Preventive Medicine and Pediatrics (1973).
B.A. (1943), Texas; M.D. (1945), Texas Medical Branch; M.P.H. (1966), California (Berkeley).
- †**Merle Pennington**, M.D., Clinical Instructor in Family Practice (1970).
M.D. (1944), Oregon.
- Martin L. Pernoll**, M.D., Associate Professor of Obstetrics and Gynecology; Head, Division of Perinatology (1970).
B.S. (1962), Oregon; M.D. (1963), Texas (Galveston).
- †**Frank Perlman**, M.D., Clinical Professor of Medicine (1935).
B.S. (1931), M.D. (1933), Wisconsin.
- †**Eugene R. Perrin**, M.D., Senior Clinical Instructor in Surgery (1971).
A.B. (1955), Miami (Ohio); M.D. (1959), Cornell.
- †**Thomas Perry**, M.D., Clinical Instructor in Dermatology (1973).
M.D. (1967), Virginia.
- †**Bruce A. Peters**, M.D., Clinical Instructor in Anesthesiology (1968).
B.S. (1957), Oregon State; M.D. (1961), Oregon.
- †**Richard J. Petersen**, M.D., Clinical Instructor in Clinical Pathology (Nuclear Medicine) (1973).
B.S. (1961), M.D. (1965), Creighton.
- Walter A. Petersen**, M.S., Assistant Professor of Physiology; Director of Computer Center (1968).
B.S. (1957), California Institute of Technology; M.S. (1968), Portland State.
- Clare G. Peterson**, M.D., Professor of Surgery (1944).
B.A. (1939), M.D. (1943), M.S. (1945), Oregon.
- †**Hayes Peterson**, M.D., Assistant Clinical Professor of Medicine (1947).
B.S. (1934), University of Washington; M.D. (1938), Chicago.
- †**Lee H. Peterson**, M.D., Senior Clinical Instructor in Ophthalmology (1971).
B.S. (1961), Oregon; M.D. (1965), Tulane.
- Robert A. Peterson**, M.B.A., Assistant Professor, Budget Officer (1972).
B.S. (1963), Idaho; M.B.A. (1971), Portland State.
- †**James L. Petroske**, M.D., Clinical Instructor in Psychiatry (1965).
B.S. (1955), Portland; M.D. (1959), Oregon.
- William M. Petty, Jr.**, M.D., Assistant Professor of Obstetrics and Gynecology (1974).
B.A. (1962), Oregon; M.D. (1966), St. Louis.
- †**John P. Phelan**, M.D., Clinical Instructor in Radiology (Diagnosis) (1972).
M.D. (1959), University College (Ireland).
- †**Ronald W. Phillips**, M.D., Clinical Instructor in Radiology (Diagnosis) (1966).
B.S. (1950), Pepperdine; M.D. (1955), College of Medical Evangelists (Loma Linda).
- David S. Phillips**, Ph.D., Associate Professor of Medical Psychology and Public Health and Preventive Medicine (1963).
A.B. (1958), Wabash; M.S. (1960), Ph.D. (1962), Purdue.
- †**Richard H. Phillips**, M.D., Assistant Clinical Professor of Psychiatry (1964).
B.S. (1959), Portland State; M.D. (1960), Oregon.
- †**Charles H. Phoenix**, Ph.D., Professor of Medical Psychology (Primate Center) (1965).
B.A. (1945), Connecticut; M.A. (1950), Ph.D. (1954), Boston.
- †**Wayne M. Pidgeon**, M.D., Assistant Clinical Professor of Psychiatry (1959).
B.S. (1947), M.D. (1951), Oregon.
- †**Allan R. Pike**, D.D.S., M.S., Assistant Clinical Professor of Dentistry (1969).
D.D.S. (1962), Marquette; M.S. (1969), Oregon.
- Bernard Pirofsky**, M.D., Professor of Medicine; Head of Division of Immunology and Allergy; Affiliate in Microbiology and Immunology (1956).
A.B. (1946), M.D. (1950), New York University.

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† Volunteer.

‡ Part-time.

FACULTY

- †Robert G. Pittinger, M.D., Assistant Clinical Professor of Medicine (1957).
B.S. (1948), M.D. (1950), Oregon.
- †G. Wayne Plummer, B.D., Clinical Instructor in Psychiatry (1970).
B.M. (1949), Westminster Choir College; B.D. (1952), Princeton.
- †James M. Pomeroy, M.D., Assistant Clinical Professor of Pediatrics (1966).
B.S. (1936), M.D. (1941), Louisiana State.
- †John Karl Poppe, M.D., Senior Clinical Instructor in Cardiopulmonary Surgery (1946).
A.B. (1933), Hamilton; M.D. (1937), Rochester.
- †Donald R. Porter, D.D.S., Professor of Dentistry (1953).
D.D.S. (1951), M.S. (1953), Michigan.
- George A. Porter, M.D., Professor of Medicine; Head, Division of Nephrology (1964).
B.S. (1953), Oregon State; M.S., M.D. (1957), Oregon.
- John M. Porter, M.D., Associate Professor of Surgery (1971).
M.D. (1963), Duke.
- †Thomas J. Porter, M.D., Clinical Instructor in Pediatrics (1972).
B.S. (1957), M.S. (1960), San Diego State; M.D. (1964), Maryland.
- †Oscar W. Portman, M.D., Professor of Biochemistry (Primate Center) (1965).
B.S. (1945), U.S. Military Academy; M.D. (1954), Harvard.
- †Robert H. Post, M.D., Senior Clinical Instructor in Orthopedics (1968).
A.B. (1956), Princeton; M.D. (1960), Cornell.
- †Don E. Poulson, M.D., Clinical Instructor in Orthopedics (1973).
M.D. (1949), Willamette; M.D. (1953), Oregon.
- †William J. Prendergast, M.D., Clinical Instructor in Ophthalmology (1973).
B.S. (1964), M.D. (1967), Oregon.
- William H. Prentice, Director of Program Planning; Associate Professor (1970).
- Gerald H. Prescott, D.D.S., Associate Professor of Medical Genetics (1968).
B.S. (1959), College of Idaho; D.D.S. (1964), Washington University; M.S. (1966), Indiana.
- †Edward Press, M.D., Clinical Professor of Pediatrics and Public Health and Preventive Medicine (1968).
B.A. (1934), Ohio; M.D. (1937), New York University; M.P.H. (1947), Harvard.
- †William E. Purnell, M.D., Clinical Instructor in Radiology (Diagnosis) (1966).
M.D. (1948), Boston.
- †Irving Puziss, M.D., Clinical Instructor in Surgery (1956).
B.S. (1946), M.D. (1948), Oregon.
- †William J. Pyrch, M.D., Clinical Instructor in Family Practice (1967).
B.A. (1947), British Columbia; M.D. (1951), Oregon.
- †Arlen Quan, M.D., Associate Clinical Professor of Psychiatry (1972).
B.A. (1955), Reed; M.D. (1957), Oregon.
- †Robert Quinton-Cox, Ph.D., Associate Professor of Anatomy (Dental School) (1968).
F.I.M.L.T. (1954), Sir John Mass (London); I.N.T.B.Sc. (1956), Woolwich Poly (London); Ph.D. (1963), Emory.
- †John Raaf, M.D., Ph.D., Clinical Professor of Neurosurgery (1937).
B.A. (1926), M.D. (1930), Stanford; M.S. (1935), Ph.D. (1941), Minnesota.
- †S. Frederick Rabiner, M.D., Professor of Medicine (Good Samaritan Hospital) (1971).
B.S. (1949), Tulane; M.D. (1952), S.U.N.Y.
- Shahbudin Rahimtoola, M.B., Professor of Medicine (1972).
M.B., B.S. (1954), Dow (Pakistan); M.R.C.P.E. (1963), Royal College of Physicians (Scotland).
- †James Richard Raines, M.D., Clinical Professor of Radiology (Diagnosis) (1947).
B.A. (1933), M.D. (1935), Oklahoma.
- Alfred J. Rampone, Ph.D., Professor of Physiology (1955).
B.A. (1947), M.A. (1950), British Columbia; Ph.D. (1954), Northwestern.
- †Robert M. Rankin, M.D., Clinical Instructor in Orthopedics (1954).
B.A. (1944), Reed; M.D. (1946), Oregon.
- †Robert E. Ransmeier, M.D., Ph.D., Assistant Clinical Professor of Psychiatry (1965).
B.S. (1946), M.Sc. (1949), Ph.D., (1953), Chicago; M.D. (1957), Colorado.
- †Robert Rapp, M.D., Clinical Instructor in Pediatrics (1971).
B.S. (1958), Dartmouth; M.D. (1964), Hahnemann.
- Abdel L. Rashad, M.D., Ph.D., Associate Professor of Clinical Pathology (1969).
M.D. (1959), Cairo; M.S., Ph.D. (1966), University of Washington.
- †L. Paul Rasmussen, M.D., Professor of Pediatrics; Professor, Crippled Children's Division (1962).
B.A. (1932), Utah; M.D. (1935), Duke.
- †May E. Rawlinson, Ph.D., Associate Professor of Medical Psychology (1971).
B.S. (1943), Oregon; M.A. (1964), Ph.D. (1970), University of Portland.
- †Jesse L. Ray, M.D., Assistant Clinical Professor of Obstetrics and Gynecology (1953).
B.A. (1935), M.D. (1939), Stanford.

MEDICAL SCHOOL FACULTY

- †**Leon F. Ray**, M.D., Clinical Professor of Dermatology (1939).
Ph.C. (1930), North Pacific College of Pharmacy; B.S. (1931), Oregon State; M.D. (1935), Oregon.
- †**C. Wight Reade, Jr.**, M.D., Clinical Instructor in Radiology (Diagnosis) (1974).
M.D. (1946), Michigan.
- †**Ralph B. Reaume**, M.D., Associate Clinical Professor of Medicine (1959).
M.D. (1953), Washington University.
- †**Edgar M. Rector**, M.D., Clinical Professor of Pediatrics (1946).
S.B. (1937), Haverford; M.D. (1941), Harvard.
- †**Charles E. Reed**, M.D., Clinical Instructor in Continuing Medical Education (1970).
M.D. (1961), Southern California.
- †**Daniel L. Reed**, M.D., Senior Clinical Instructor in Surgery (1964).
B.S. (1952), Michigan State; M.D. (1956), Michigan.
- †**Melvin M. Reeves**, M.D., Clinical Instructor in Surgery (1957).
B.S. (1943), Hamline; B.M. (1946), M.D. (1947), M.S. (1957), Minnesota.
- †**David H. Regan**, M.D., Clinical Instructor in Medicine (1974).
B.S. (1965), California (Berkeley); M.D. (1969), Southern California.
- †**Martha Regan**, M.D., Clinical Instructor in Medicine (1973).
B.A. (1965), Vassar; M.D. (1969), Southern California.
- †**Jerome M. Reich**, M.D., Assistant Clinical Professor of Medicine (1970).
A.B. (1958), New York University; M.D. (1962), S.U.N.Y. (Syracuse).
- †**Robert R. Reichart**, Ed.D., Director, Office of Medical Education; Professor (1974).
B.S. (1917), M.S. (1937), Oregon State; Ed.D. (1941), Oregon.
- †**Philip J. Reilly**, M.D., Assistant Clinical Professor of Neurology (1959).
B.S. (1949), St. Thomas; M.D. (1953), Marquette.
- †**Gerald R. Reimer**, M.D., Assistant Clinical Professor of Neurology (1967).
B.S. (1963), Oklahoma State; M.D. (1963), Oklahoma.
- †**Walter C. Reiner**, M.D., Assistant Clinical Professor of Surgery (1948).
B.S. (1930), Montana State University; M.D. (1934), College of Medical Evangelists (Loma Linda).
Julian S. Reinschmidt, M.D., Professor of Public Health and Preventive Medicine; Coordinator, Oregon Regional Medical Program (1970).
B.A. (1950), M.D. (1953), Vanderbilt.
- †**Delbert L. Remy**, M.D., Clinical Instructor in Family Practice (1971).
A.A. (1959), Clark; B.S. (1962), M.D. (1964), Oregon.
- †**John A. Resko**, Ph.D., Associate Professor of Physiology (Primate Center) (1965).
B.A. (1955), St. Charles Seminary; M.S. (1960), Marquette; Ph.D. (1963), Illinois.
- †**Arthur E. Retzlaff**, D.D.S., Associate Professor of Dentistry (1974).
D.D.S. (1960), Alberta.
- †**Dale C. Reynolds**, M.D., Clinical Instructor in Family Practice (1971).
B.S. (1948), Michigan; M.D. (1952), Nebraska.
- †**Patrick J. Reynolds**, Ph.D., Assistant Professor of Physiology (Dental School) (1972).
B.S. (1961), Gonzaga; Ph.D. (1971), Oregon.
- †**Walter C. Reynolds**, M.D., Assistant Clinical Professor of Family Practice (1973).
B.S. (1944), M.D. (1949), Oregon.
- Thomas C. Richards**, Ph.D., Assistant Professor of Anatomy (1972).
B.S. (1965), M.S. (1967), Idaho; Ph.D. (1971), Michigan.
- †**Norman H. Rickles**, D.D.S., Professor of Dentistry (1957).
D.D.S. (1947), Washington University; M.S. (1951), California.
- Matthew C. Riddle**, M.D., Assistant Professor of Medicine (1973).
B.A. (1961), Yale; M.D. (1964), Harvard.
- †**Forrest E. Rieke**, M.D., Associate Clinical Professor of Environmental Medicine (1971).
B.A. (1937), Oregon State; M.D. (1939), Oregon.
- Demetrios A. Rigas**, Ph.D., Professor of Biochemistry and Medical Genetics (1953).
Ch.E. (1941), Ph.D. (1943), National University of Engineering Science, Athens.
- William K. Riker**, M.D., Professor of Pharmacology; Chairman of Department (1969).
B.A. (1949), Columbia; M.D. (1953), Cornell.
- †**James A. Riley**, M.D., Associate Clinical Professor of Medicine (1949).
B.A. (1941), Oregon State; M.D. (1943), Oregon.
- †**Robert E. Rinehart**, M.D., Associate Clinical Professor of Medicine (1953).
B.S. (1937), Oregon State; M.S., M.D. (1942), Oregon.
- Marvin B. Rittenberg**, Ph.D., Professor of Microbiology and Immunology and Associate Professor of Medicine (1966).
B.A. (1954), M.A. (1959), Ph.D. (1961), California.
- †**Leonard W. Ritzmann**, M.D., Professor of Medicine (Veterans Hospital) (1954).
B.A. (1942), Valparaiso; M.D. (1945), Washington University.

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‡ Part-time.

FACULTY

- †**G. Alvin Roberts, M.D.**, Clinical Instructor in Family Practice (1971).
A.B. (1940), College of Idaho; M.D. (1945), St. Louis.
- †**Joseph M. Roberts, M.D.**, Senior Clinical Instructor in Surgery (1936).
B.A. (1929), M.D. (1932), Oregon.
- †**Peter H. R. Roberts, M.D.**, Clinical Instructor in Obstetrics and Gynecology (1968).
B.S. (1959), Oregon State; M.D. (1962), Oregon.
- †**Wayne E. Roberts, M.D.**, Clinical Instructor in Family Practice (1971).
M.D. (1951), Washington University.
- †**Keith A. Robertson, M.D.**, Assistant Clinical Professor of Surgery (1966).
B.S. (1956), M.D. (1960), Oregon.
- †**William E. Robertson, M.D.**, Clinical Instructor in Medicine (1969).
B.S. (1960), Gonzaga; M.D. (1964), St. Louis University.
- †**George M. Robins, M.D.**, Assistant Clinical Professor of Medicine (1948).
B.A. (1936), Columbia; M.D. (1940), Louisville.
- †**Edwin G. Robinson, M.D.**, Senior Clinical Instructor in Orthopedics (1950).
M.D. (1930), Northwestern.
- Michaelle A. Robinson, M.S.**, Instructor in Psychiatry (Psychiatric Nursing) (1972).
B.S. (1965), Oregon; M.S. (1969), Utah.
- †**Richard C. Robinson, M.D.**, Clinical Instructor in Family Practice (1971).
B.S., B.A. (1942), M.D. (1944), Chicago.
- †**J. Michael Roddy, M.D.**, Clinical Instructor in Radiology (Diagnosis) (1970).
M.D. (1957), Creighton.
- †**Thomas L. W. Roe, M.D.**, Assistant Clinical Professor of Pediatrics (1967).
B.S. (1959), Oregon State; M.D. (1961), Oregon.
- Allan L. Rogers, B.S.**, Director of Animal Care Program; Associate Professor (1961).
B.S. (1944), Connecticut.
- †**Richard C. Rogers, M.D.**, Clinical Instructor in Cardio-pulmonary Surgery (1970).
B.A. (1956), M.D. (1960), Harvard.
- †**Wayne R. Rogers, M.D.**, Associate Clinical Professor of Medicine (1956).
M.D. (1947), Tennessee.
- †**Troy G. Rollins, M.D.**, Associate Clinical Professor of Dermatology (1966).
B.S. (1945), M.B. (1946), M.D. (1948), M.S. (1958), Minnesota.
- †**Richard A. Romaine, M.D.**, Assistant Clinical Professor of Dermatology (1970).
B.S. (1957), M.D. (1960), Oregon.
- †**Donald V. Romanaggi, M.D.**, Assistant Clinical Professor of Medicine (1966).
B.S. (1956), Portland; M.D. (1960), Loyola.
- Gary J. Rood, M.A.**, Administrator, Medical School Hospital; Assistant Professor (1967).
B.S. (1961), Walla Walla; M.A. (1964), Iowa.
- Josef Rosch, M.D.**, Professor of Radiology (Diagnosis) (1970).
M.U.Dr. (1950), Dr. M.Sci. (1965), Charles (Prague).
- †**Donald A. Rose, M.D.**, Clinical Instructor in Family Practice (1974).
B.S. (1955), Colorado State; M.D. (1963), Colorado.
- †**Leonard B. Rose, M.D.**, Associate Clinical Professor of Medicine (1956).
A.B. (1939), New York University; M.D. (1943), Georgetown.
- †**Edward E. Rosenbaum, M.D.**, Clinical Professor of Medicine; Acting Head of Division of Rheumatology (1948).
B.S. (1936), M.D. (1938), Nebraska; M.S. (1947), Minnesota.
- †**William M. Rosenbaum, M.D.**, Clinical Instructor in Surgery (1949).
B.S. (1938), M.D. (1940), Nebraska.
- †**Jack A. Rosenberg, M.D.**, Clinical Instructor in Pediatrics (1973).
B.A. (1962), M.D. (1966), Emory.
- †**Millard S. Rosenblatt, M.D.**, Clinical Professor of Surgery (1930).
A.B. (1922), Stanford; M.D. (1925), Harvard.
- Heather G. Rosenwinkel, M.A.**, Reference Librarian; Assistant Professor (1965).
B.A. (1959), Bishop's University (Ontario); M.A. (1966), Minnesota.
- Benjamin B. Ross, Ph.D.**, Professor of Physiology (1954).
B.S. (1949), Union; Ph.D. (1954), Rochester.
- †**David A. Ross, M.D.**, Clinical Instructor in Surgery (1972).
B.A. (1958), Harvard; M.D. (1962), Rochester.
- †**William Ross, M.D.**, Clinical Instructor in Family Practice (1971).
B.S. (1951), Willamette; M.D. (1955), Oregon.
- John Gordon Roth, M.D.**, Associate Professor of Neurology (1958).
A.B. (1947), Wichita; M.D. (1950), Kansas.
- †**Gary Rothenberger, M.D.**, Clinical Instructor in Surgery (1971).
B.A. (1961), M.D. (1965), Oregon.
- †**Willard D. Rowland, M.D.**, Assistant Clinical Professor of Surgery (1947).
A.B. (1936), M.D. (1940), Washington University.
- †**David R. Rullman, M.D.**, Assistant Clinical Professor of Medicine (1964).
B.S. (1953), M.D. (1957), Cincinnati.

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MEDICAL SCHOOL FACULTY

- †**Irvin F. Rumbaugh**, M.D., Assistant Clinical Professor of Medicine (1963).
B.S. (1951), Franklin and Marshall; M.D. (1955), Pennsylvania.
- †**John B. Rush**, M.D., Clinical Instructor in Medicine (1971).
B.A. (1958), M.D. (1962), Baylor.
- †**Alan D. Russakov**, M.D., Clinical Instructor in Physical Medicine and Rehabilitation (1974).
M.D. (1964), Hahnemann.
- †**Paul S. Russell**, M.D., Associate Clinical Professor of Dermatology (1969).
B.A. (1956), M.D. (1957), Texas.
- †**Arnold Rustin**, M.D., Assistant Clinical Professor of Urology (1954).
M.D. (1950), Iowa.
- †**Bernard F. Ryan**, M.D., Clinical Professor of Dermatology (1960).
B.A. (1934), M.D. (1936), Oregon; M.S. (1945), Minnesota.
- †**Russell N. Sacco**, M.D., Clinical Instructor in Urology (1968).
B.S. (1957), M.D. (1960), Wisconsin.
- William H. Sack**, M.D., Assistant Professor of Psychiatry and Pediatrics (1973).
B.S. (1956), Lewis and Clark; M.S., M.D. (1960), Oregon.
- †**Muhammad Sajid**, M.B.B.S., Clinical Instructor in Neurology (1971).
F.Sc. (1946), M.A.O. College (India); M.B.B.S. (1954), Dow (India).
- †**William M. Sammons**, M.D., Clinical Instructor in Family Practice (1971).
M.D. (1950), Tulane.
- †**Ivan L. Sandoz**, M.D., Assistant Clinical Professor of Urology (1964).
B.Sc. (1953), M.D. (1957), Ohio State.
- †**Jan Sarnecki**, M.D., Clinical Instructor in Orthopedics (1973).
B.A. (1962), Princeton; M.D. (1966), Minnesota.
- Makoto Sato**, M.D., Ph.D., Associate Professor of Neurosurgery (1965).
M.D. (1954), Ph.D. (1959), Iwate Medical College (Japan).
- †**George R. Satterwhite**, M.D., Associate Clinical Professor of Radiology (Diagnosis) (1959).
B.S. (1950), Seattle University; M.D. (1953), St. Louis.
- †**James A. Saunders**, M.D., Senior Clinical Instructor in Ophthalmology (1967).
B.S. (1957), Portland State; M.D. (1960), Oregon.
- †**Thomas S. Saunders**, M.D., Clinical Professor of Dermatology (1937).
Ph.G. (1928), B.S. (1930), M.D. (1932), Maryland; M.S. (1937), Minnesota.
- †**Bhim S. Savara**, D.M.D., Professor of Dentistry (1950).
B.D.S. (1946), De Montmorency College of Dentistry, Lahne (India); L.D.S., R.C.S. (1947), Royal Dental Hospital, London; M.S. (1950), Illinois; D.M.D. (1957), Oregon.
- †**Clinton B. Sayler**, M.D., Clinical Instructor in Radiology (Diagnosis) (1971).
B.S. (1954), University of Washington; M.D. (1958), Stanford.
- †**Paul E. Schaff**, M.D., Clinical Instructor in Anesthesiology (1959).
B.S. (1942), Idaho; M.D. (1951), Oregon.
- †**John S. Schaub**, M.D., Clinical Instructor in Medicine (1972).
B.A. (1959), Lewis and Clark; M.D. (1964), Oregon.
- †**John F. Schilke**, M.D., Assistant Clinical Professor of Pediatrics (1970).
B.A. (1961), M.D. (1965), Yale.
- †**James R. Schimschock**, M.D., Assistant Clinical Professor of Neurology (1968).
B.A. (1957), M.D. (1961), Minnesota.
- Alexander J. Schleuning**, M.D., Associate Professor of Otolaryngology (1967).
B.A. (1956), Stanford; M.D. (1960), Oregon.
- Roland Schmidt**, M.D., Associate Professor of Pediatrics; Associate Professor, Crippled Children's Division (1973).
B.A. (1939), University of Washington; M.D. (1945), Chicago.
- †**Alfred J. Schroeder**, M.D., Senior Clinical Instructor in Otolaryngology (1967).
B.A. (1951), Michigan State; M.D. (1957), Michigan.
- †**Charles L. Schroff**, M.D., Clinical Instructor in Family Practice (1971).
A.B. (1954), M.D. (1957), Kansas.
- †**George J. Schunk**, M.D., Clinical Professor of Pediatrics (1954).
A.B. (1943), Jamestown; B.S. (1944), North Dakota; M.D. (1946), Illinois.
- †**Edward M. Scott**, Ph.D., Associate Professor of Medical Psychology (1968).
B.A. (1946), Notre Dame; M.S. (1951), Ph.D. (1953), Portland.
- †**L. William Scott**, M.D., Clinical Instructor in Continuing Medical Education (1971).
B.A. (1943), Oregon State; M.D. (1947), Oregon.
- †**William C. Scott**, M.D., Assistant Clinical Professor of Medicine (1946).
B.S. (1935), College of Idaho; B.M. (1939), M.D. (1940), Northwestern.

† Volunteer.

FACULTY

- Geoffrey V. F. Seaman**, Ph.D., Professor of Biochemistry and Neurology (1966).
B.Sc. (1955), Royal College of Science (London); Ph.D. (1959), Cambridge.
- †**Richard Selden**, M.D., Assistant Professor of Medicine (Veterans Hospital) (1972).
B.A. (1961), Northwestern; M.D. (1965), Harvard.
- ‡**Philip Selling**, M.D., Clinical Professor of Medicine (1946).
B.A. (1935), Reed; M.D. (1939), Oregon.
- †**Herbert J. Semler**, M.D., Assistant Clinical Professor of Medicine (1960).
B.S. (1949), University of Washington; M.S., M.D. (1953), Oregon.
- †**Will L. Senders**, M.D., Associate Clinical Professor of Medicine (1957).
B.S. (1947), Willamette; M.D. (1950), Oregon.
- †**Joel L. Seres**, M.D., Associate Clinical Professor of Neurosurgery (1968).
B.S. (1954), Delaware; M.D. (1958), Jefferson.
- †**David L. Sessions**, M.D., Associate Clinical Professor of Psychiatry and Pediatrics (1964).
A.B. (1954), Princeton; M.D. (1958), Washington University.
- †**Jon C. Sewell**, M.D., Clinical Instructor in Radiology (Diagnosis) (1969).
M.D. (1963), Arkansas.
- Harry Shaich**, M.S., Assistant Professor of Clinical Pathology (Nuclear Medicine) (1962).
B.E.E. (1948), Cornell; M.S. (1958), State College, New York; M.S. (1962), Columbia.
- †**Ralph E. Shambaugh**, M.D., Associate Clinical Professor of Medicine (1960).
M.D. (1948), Nebraska.
- Linda Shanbeck**, M.S., Affiliate in Public Health and Preventive Medicine (1972).
B.S. (1971), M.S. (1972), Oregon.
- Leonard E. Shapland**, B.A., Financial Aids Officer; Instructor (1973).
B.A. (1947), Linfield.
- †**John M. Shaw**, M.D., Clinical Professor of Dermatology (1959).
M.D. (1949), Michigan.
- †**Richard Shepherd**, M.D., Clinical Instructor in Medicine (1973).
B.A. (1957), M.D. (1962), Missouri.
- Kirtikant V. Sheth**, M.B.B.S., Assistant Professor of Clinical Pathology (1971).
M.B.B.S. (1964), Seth Medical College (India).
- †**Paul E. Shick**, M.D., Associate Professor of Medicine (Veterans Hospital) (1969).
B.A. (1943), Texas Technological; M.D. (1946), Tulane.
- †**Ambrose B. Shields**, M.D., Associate Clinical Professor of Surgery (1966).
B.S. (1938), M.D. (1940), Kansas.
- †**Fred C. Shipp**, M.D., Associate Clinical Professor of Radiology (Diagnosis) (1954).
A.B. (1942), Ohio Wesleyan; M.D. (1945), Western Reserve.
- †**Nathan Shlim**, M.D., Senior Clinical Instructor in Surgery (1956).
B.A. (1937), Wisconsin; M.D. (1941), Rush (University of Chicago).
- James H. Shore**, M.D., Associate Professor of Psychiatry (1970).
M.D. (1965), Duke.
- †**Faulkner A. Short**, M.D., Senior Clinical Instructor in Orthopedics (1945).
B.A. (1932), M.D. (1936), Oregon.
- ‡**Francine M. Siegal**, M.D., Health Service Physician; Instructor (1973).
B.A. (1963), M.D. (1967), Johns Hopkins.
- Benjamin V. Siegel**, Ph.D., Professor of Pathology (1961).
B.S. (1943), Georgia; M.A. (1937), Columbia; Ph.D. (1950), Stanford.
- Robert A. Sikes**, M.D., Instructor in Anesthesiology (1974).
B.A. (1963), U.C.L.A.; M.D. (1969), California (Irvine).
- †**Robert D. Simmons**, M.D., Clinical Instructor in Surgery (1973).
M.D. (1963), St. Louis.
- †**Ranvir H. Sinanan**, M.B., Assistant Clinical Professor of Pediatrics (1967).
M.B., B.Ch. (1960), Queen's (Belfast).
- †**Wilhelm Sittner**, M.D., Assistant Clinical Professor of Environmental Medicine (1972).
B.A. (1938), Whitman; M.D. (1942), Oregon.
- †**John H. Skirving**, M.D., Clinical Instructor in Family Practice (1971).
B.S. (1940), Oregon; M.D. (1943), Creighton.
- Phillip R. Slavney**, M.D., Assistant Professor of Psychiatry (1973).
B.A. (1962), Wisconsin; M.D. (1966), Einstein.
- †**Donald B. Slocum**, M.D., Clinical Professor of Orthopedics (1956).
B.S. (1932), Stanford; M.D. (1935), Oregon; M.S. (1939), Tennessee.
- †**Perry R. Sloop, Jr.**, M.D., Senior Clinical Instructor in Medicine (1970).
B.S. (1959), M.D., M.S. (1962), Oregon.
- †**Richard D. Sloop**, M.D., Assistant Clinical Professor of Surgery (1965).
B.S. (1954), Oregon State; M.D., M.S. (1956), Oregon.
- Catherine A. Smith**, Ph.D., Professor of Otolaryngology (1969).
A.B. (1935), M.S. (1948), Ph.D. (1951), Washington University.

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‡ Part-time.

MEDICAL SCHOOL FACULTY

- David D. Smith, M.D., Assistant Professor of Family Practice (1973).
B.S. (1956), M.D. (1958), Oregon.
- †Frank B. Smith, M.D., Associate Clinical Professor of Orthopedics (1944).
B.A. (1933), Southern California; C.M., M.D. (1937), McGill; M.A. (1943), Minnesota.
- †Frederic W. Smith, M.D., Associate Professor of Medicine (Veterans Hospital) (1960).
B.S. (1947), Kansas State; M.D. (1956), Cornell.
- Gerald M. Smith, Ed.D., Associate Professor, Crippled Children's Division (1969).
B.S. (1953), M.S. (1959), Oregon; Ed.D. (1964), Colorado State.
- †Kent R. Smith, M.D., Clinical Instructor in Medicine (1963).
B.A. (1954), Reed; M.D. (1956), Oregon.
- James D. Smith, M.D., Assistant Professor of Otolaryngology (1973).
D.V.M. (1959), Iowa State; M.D. (1965), M.S. (1963), Iowa.
- †Lendon H. Smith, M.D., Clinical Professor of Pediatrics (1951).
B.A. (1944), Reed; M.D. (1946), Oregon.
- †Mary Anne Smith, M.D., Clinical Instructor in Psychiatry (1965).
B.A. (1951), Wellesley; M.D. (1959), Cornell.
- †Roger G. Smith, M.D., Clinical Instructor in Medicine (1969).
A.B. (1953), Brown; M.D. (1964), Tufts.
- †Philip A. Snedecor, M.D., Assistant Clinical Professor of Surgery (1958).
A.B. (1949), Stanford; M.D. (1953), Oregon.
- Vinton D. Sneed, M.D., Professor of Pathology (Surgical Pathology and Cytology) (1939).
B.A. (1932), Linfield; M.D. (1936), Oregon.
- William E. Snell, M.D., Professor of Orthopedics; Head of Division (1951).
B.S. (1943), M.D. (1945), Oregon.
- †R. Glenn Snodgrass, M.D., Assistant Clinical Professor of Neurology (1964).
B.A. (1952), M.D. (1955), Kansas.
- †William M. Snook, M.D., Associate Clinical Professor of Pediatrics (1954).
M.D. (1949), Virginia.
- †John L. Soelling, M.D., Associate Clinical Professor of Medicine (1953).
B.A. (1944), Columbia; M.D. (1946), New York Medical College.
- †Leland Clair Spaulding, M.D., Senior Clinical Instructor in Surgery (1969).
B.A. (1952), Walla Walla; M.D. (1956), Loma Linda.
- Dick B. Speight, A.B., Registrar; Director of Admissions; Assistant Professor (1969).
A.B. (1956), Central Michigan.
- †Harold G. Spies, Ph.D., Professor of Anatomy (Primate Center) (1973).
B.S. (1956), Oklahoma State; Ph.D. (1959), Wisconsin.
- †Trenton J. Spolar, M.D., Clinical Instructor in Medicine (1970).
B.S. (1960), Notre Dame; M.D. (1966), Illinois.
- †John H. Springer, M.D., Associate Clinical Professor of Pediatrics (1961).
B.S. (1953), Portland; M.D. (1957), Loyola.
- †George V. Squire, M.D., Assistant Clinical Professor of Medicine (1959).
B.A. (1942), Iowa; B.S. (1949), M.D. (1951), Minnesota.
- †James F. Stager, M.D., Assistant Clinical Professor of Pediatrics (1969).
B.S. (1958), Toledo; M.D. (1952), Northwestern.
- †Thad C. Stanford, M.D., Clinical Instructor in Orthopedics (1965).
A.B. (1945), M.D. (1958), Michigan.
- Mary Ellen Stanger, M.D., Assistant Professor, Crippled Children's Division; Assistant Professor of Pediatrics (1971).
B.A. (1953), Lake Erie; M.D. (1957), Women's Medical College of Pennsylvania.
- †Robert E. Stanton, M.D., Assistant Clinical Professor of Pediatrics (1966).
B.A. (1954), M.D. (1957), California.
- †John Stanwood, M.D., Clinical Instructor in Medicine and Physical Medicine and Rehabilitation (1973).
B.S. (1949), M.D. (1951), Oregon.
- Albert Starr, M.D., Professor of Cardiopulmonary Surgery; Head of Division (1957).
B.A. (1946), M.D. (1949), Columbia.
- †Charles R. Starr, M.D., Senior Clinical Instructor in Surgery (1968).
B.S. (1953), M.D. (1956), Wisconsin.
- †Grier F. Starr, M.D., Affiliate in Pathology (1959).
B.S. (1947), Jamestown; M.D. (1951), Northwestern.
- †Dan N. Steffanoff, M.D., D.M.D., Associate Clinical Professor of Surgery (1951).
B.A. (1930), M.D. (1934), D.M.D. (1942), Oregon.
- Allan Steigerwald, M.D., Assistant Professor of Anesthesiology (1973).
B.S. (1964), M.D. (1967), Wisconsin.
- †Richard H. Steinberg, M.D., Clinical Instructor in Pediatrics (1973).
B.A. (1965), Harvard; M.D. (1970), Einstein.
- †John W. Stephens, M.D., Clinical Professor of Medicine (1953).
B.S. (1939), M.D. (1944), Alberta.
- †Janice R. Stevens, M.D., Professor of Neurology; Associate Professor of Psychiatry (Veterans Hospital) (1955).
B.A. (1944), Reed; M.D. (1949), Boston University.

† Volunteer.

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FACULTY

- Kenneth R. Stevens, Jr., M.D.**, Assistant Professor of Radiology (Therapy) and Clinical Pathology (Nuclear Medicine) (1972).
B.S. (1963), Utah State; M.D. (1966), Utah.
- †**John L. Stevenson, Jr., M.D.**, Clinical Professor of Pediatrics (1957).
A.B. (1950), Stanford; M.D. (1954), Oregon.
- †**Loren W. Stille, M.D.**, Assistant Professor of Radiology (Diagnosis) (Veterans Hospital) (1969).
B.S. (1943), M.D. (1945), Wisconsin.
- †**Charles S. Stitt, D.D.S.**, Assistant Clinical Professor of Public Health and Preventive Medicine (1968).
B.S. (1948), Bethany; D.D.S. (1952), Pittsburgh; M.P.H. (1962), California.
- †**Deena R. Stolzberg, M.D.**, Assistant Professor of Psychiatry (1974).
A.B. (1964), Bryn Mawr; M.S. (1965), Einstein.
- †**Elizabeth J. Stone, M.D.**, Clinical Instructor in Surgery (Plastic) (1974).
A.B. (1964), Wayne State; M.D. (1967), Northwestern.
- †**Gordon A. Stoney, M.D.**, Clinical Instructor in Radiology (Diagnosis) (1965).
B.S. (1952), M.D. (1955), Cincinnati.
- †**Henry E. Storino, M.D.**, Assistant Clinical Professor of Neurology (1966).
B.S. (1949), Washington State; M.D. (1953), Creighton.
- Frances Judy Storrs, M.D.**, Assistant Professor of Dermatology (1969).
B.A. (1960), Carleton; M.D. (1964), Cornell.
- William A. Stotler, Ph.D.**, Professor of Anatomy (1946).
A.B. (1935), Westminster; M.S. (1937), St. Louis; Ph.D. (1942), Cornell.
- †**Frank B. Strange, Ph.D.**, Lecturer in Medical Psychology (1968).
A.B. (1949), M.A. (1950), University of Portland; Ph.D. (1953), Washington University.
- †**Kurt R. Straube, M.D.**, Associate Clinical Professor of Radiology (Diagnosis) (1960).
M.D. (1952), Vienna.
- †**Bruce S. Strimling, M.D.**, Clinical Instructor in Pediatrics (1971).
M.D. (1966), Illinois.
- †**Esther A. Strom, M.D.**, Clinical Instructor in Medicine (1968).
B.S. (1959), M.D. (1961), Oregon.
- †**John S. Struckman, M.D.**, Clinical Instructor in Orthopedics (1973).
A.B. (1962), M.D. (1965), Indiana.
- Ervin G. Stubbs, M.D.**, Assistant Professor, Crippled Children's Division; Assistant Professor of Psychiatry (1971).
B.A. (1960), M.D. (1964), Iowa.
- †**Paul D. Stull, M.D.**, Clinical Instructor in Urology (1972).
B.A. (1963), San Diego; M.D. (1967), Georgetown.
- †**George R. Suckow, M.D.**, Assistant Clinical Professor of Psychiatry (1974).
B.A. (1956), Harvard; M.D. (1960), Oregon.
- †**Eugene S. Sullivan, M.D.**, Associate Clinical Professor of Surgery (1959).
B.S. (1950), M.D. (1953), Wisconsin.
- †**Ralph R. Sullivan, M.D.**, Clinical Professor of Environmental Medicine; Clinical Instructor in Dermatology (1951).
B.S. (1927), M.B. (1929), M.D. (1930), Minnesota; M.P.H. (1942), Michigan.
- †**Gordon W. Summers, D.M.D., M.D.**, Assistant Clinical Professor of Otolaryngology (1971).
B.S. (1959), D.M.D. (1961), M.D. (1965), Oregon.
- †**Vernon L. Summers, M.D.**, Clinical Instructor in Family Practice (1970).
B.A. (1945), Willamette; M.D. (1948), Oregon.
- Cecille O. Sunderland, M.D.**, Associate Professor of Pediatrics (1970).
B.A. (1955), American International; M.D. (1962), S.U.N.Y. (Syracuse).
- Walter A. Sunderland, M.D.**, Assistant Professor of Pediatrics; Instructor in Anesthesiology (1970).
B.A. (1953), Champlain; M.D. (1957), S.U.N.Y. (Syracuse).
- †**Donald W. Sutherland, M.D.**, Associate Clinical Professor of Medicine (1963).
B.A. (1953), Amherst; M.D. (1957), Harvard.
- Kenneth C. Swan, M.D.**, Professor of Ophthalmology; Chairman of Department (1944).
B.A. (1933), M.D. (1936), Oregon.
- †**Roy L. Swank, M.D., Ph.D.**, Clinical Professor of Medicine (1953).
B.S. (1930), University of Washington; Ph.D. (1935), M.D. (1936), Northwestern.
- J. Robert Swanson, Ph.D.**, Associate Professor of Clinical Pathology (1969).
B.S. (1961), Colorado State; Ph.D. (1965), Washington State.
- Robert E. Swanson, Ph.D.**, Professor of Physiology (1961).
B.A. (1949), Ph.D. (1953), Minnesota.
- †**William R. Sweetman, M.D.**, Senior Clinical Instructor in Cardiopulmonary Surgery (1953).
B.A. (1940), M.D. (1943), Yale.
- †**Mian M. Tahir, M.B.B.S.**, Clinical Instructor in Neurosurgery (1971).
F.Sc. (1948), Punjab; M.B.B.S. (1955), Dow (Pakistan).
- Kazuo Takebe, Ph.D.**, Assistant Professor of Medicine (1973).
M.D. (1955), Ph.D. (1960), Hokkaido (Japan).

† Volunteer.
‡ Part-time.

MEDICAL SCHOOL FACULTY

- †**Thomas E. Talbot**, M.D., Associate Clinical Professor of Ophthalmology (1953).
B.S. (1942), Oregon State; M.D. (1945), Oregon.
- Richard E. Talbott**, Ph.D., Assistant Professor of Physiology (1973).
A.B. (1961), California (Berkeley); Ph.D. (1966), University of Washington.
- Yeshawant Talwalkar**, M.D., Assistant Professor of Pediatrics (1972).
M.B.B.S. (1960), B.J. Medical School (India); M.D. (1963), Bombay (India).
- Calvin T. Tanabe**, M.D., Assistant Professor of Neurosurgery (1972).
B.S. (1961), M.S., M.D. (1964), Oregon.
- Edward Tank**, M.D., Associate Professor of Urology and Pediatrics (1973).
B.A. (1954), Amherst; M.D. (1959), St. Louis.
- †**Emanuel Tanne**, M.D., Clinical Instructor in Ophthalmology (1973).
A.B. (1958), Columbia; M.D. (1962), S.U.N.Y. (Downstate).
- †**K. Nolan Tanner**, M.D., Ph.D., Senior Clinical Instructor in Ophthalmology (1964).
B.A. (1943), Reed; Ph.D. (1950), Rochester; M.D. (1960), Oregon.
- Ralph D. Tanz**, Ph.D., Associate Professor of Pharmacology (1969).
B.A. (1948), Rochester; Ph.D. (1958), Colorado.
- †**Julian R. Taplin**, Ph.D., Assistant Clinical Professor of Psychiatry (Psychology) (1971).
B.S. (1958), Oregon State; M.A. (1965), Ph.D. (1967), Oregon.
- †**John W. Tarnasky**, M.D., Clinical Instructor in Obstetrics and Gynecology (1968).
B.S. (1958), Portland State; M.D. (1961), Oregon.
- †**Donald E. Tatum**, M.D., Clinical Instructor in Medicine (1966).
B.A. (1936), Ph.D. (1941), M.D. (1943), Wisconsin.
- Robert E. Taubman**, M.D., Ph.D., Associate Professor of Family Practice (1964).
B.A. (1941), College of City of New York; M.A. (1942), Ph.D. (1948), Columbia; M.D. (1960), Nebraska.
- Joe W. Templeton**, Ph.D., Assistant Professor of Medical Genetics and Surgery (1968).
B.S. (1964), Abilene Christian; Ph.D. (1968), Oregon State.
- †**T. Glenn Ten Eyck**, M.D., Assistant Professor of Otolaryngology (Veterans Hospital) (1946).
B.A. (1930), M.D. (1933), Oregon.
- Leif G. Terdal**, Ph.D., Associate Professor of Medical Psychology; Associate Professor, Crippled Children's Division (1965).
B.A. (1959), Taylor; M.A. (1961), Ph.D. (1965), Michigan State.
- †**Louis G. Terkla**, D.M.D., Professor of Dentistry, Head of Division (1967).
D.M.D. (1952), Oregon.
- †**Frank D. Thomas**, M.D., Assistant Clinical Professor of Medicine (1969).
B.S. (1959), Utah; M.D. (1965), Missouri.
- †**William O. Thomas, Jr.**, M.D., Assistant Clinical Professor of Obstetrics and Gynecology (1949).
B.A. (1937), Dartmouth; M.D. (1941), Harvard.
- Betty B. Thompson**, M.D., Associate Professor of Anesthesiology (1963).
B.S. (1956), Lewis and Clark; M.D. (1959), Oregon.
- †**Charles C. Thompson**, D.M.D., Assistant Professor of Dentistry (1970).
B.A. (1957), St. Martin's; D.M.D. (1962), Oregon; D.S.D. (1968), Emory.
- †**John W. Thompson**, M.D., Clinical Instructor in Orthopedics (1967).
B.A. (1955), Reed; M.D. (1959), Oregon.
- †**Richard Thompson**, M.D., Clinical Professor of Clinical Pathology (1968).
A.B. (1920), M.D. (1924), Oregon.
- †**Richard F. Thompson**, Ph.D., Visiting Professor of Medical Psychology (1973).
B.S. (1952), Reed; M.S. (1953), Ph.D. (1956), Wisconsin.
- †**Warren B. Thompson**, M.D., Clinical Instructor in Family Practice (1971).
B.A. (1934), M.D. (1945), Oregon.
- Kent Thornburg**, Ph.D., Instructor in Physiology (1973).
B.A. (1967), George Fox; M.A. (1970), Ph.D. (1972), Oregon State.
- †**Robert E. Thornfeldt**, M.D., Associate Clinical Professor of Pediatrics (1963).
B.S. (1942), Washington State; M.D. (1945), Northwestern.
- †**Thomas L. Thornton**, M.D., Clinical Instructor in Obstetrics and Gynecology (1968).
B.S. (1958), M.D. (1961), Oregon.
- Edith H. Throckmorton**, M.A., Circulation Librarian; Assistant Professor (1974).
B.A. (1960), M.A. (1961), (1963), Denver.
- †**Frederick W. Tiley**, M.D., Clinical Instructor in Orthopedics (1971).
B.A. (1959), Princeton; M.D. (1963), Columbia.
- Hugh H. Tilson**, M.D., Dr.P.H., Associate Professor of Public Health and Preventive Medicine (1972).
A.B. (1963), Reed; M.D. (1964), Washington University; M.P.H. (1969), Dr.P.H. (1972), Harvard.
- Andrea B. Cibus Tongue**, M.D., Assistant Professor of Ophthalmology (1970).
B.A. (1962), M.D. (1966), Washington University.
- †**George L. Toombs**, B.S., Senior Clinical Instructor in Public Health and Preventive Medicine (1970).
B.S. (1952), Lewis and Clark.

† Volunteer.

FACULTY

- Joseph B. Trainer, M.D.**, Associate Professor of Physiology and Professor of Medicine (1949).
B.S. (1939), M.S. (1941), University of Washington; M.D. (1946), Oregon.
- †**Paul Trautman, M.D.**, Clinical Instructor in Pediatric Surgery (1965).
B.S. (1941), Yale; M.D. (1944), Tulane.
- †**John P. Trommald, M.D.**, Assistant Clinical Professor of Surgery (1939).
B.S. (1929), Yale; M.D. (1933), Harvard.
- †**E. Dale Trout, D.Sc.**, Clinical Professor of Radiology (Diagnosis) (1966).
B.S. (1922), D.Sc. (Hon.) (1950), Franklin College.
- †**Michael T. Tseng, Ph.D.**, Assistant Professor of Anatomy (Primate Center) (1973).
B.S. (1967), Iowa State; Ph.D. (1973), S.U.N.Y. (Buffalo).
- Emily Tufts, M.D.**, Assistant Professor of Pediatrics (1965).
B.A. (1946), North Carolina; M.D. (1950), M.S. (1953), Temple.
- †**John E. Tuhy, M.D.**, Clinical Professor of Medicine (1948).
B.A. (1935), M.D. (1938), Oregon.
- Archie R. Tunturi, M.D., Ph.D.**, Associate Professor of Anatomy (1945).
B.A. (1939), Reed; M.S. (1943), Ph.D., M.D. (1944), Oregon.
- †**Donald A. Turcke, M.D.**, Assistant Clinical Professor of Radiology (Diagnosis) (1970).
B.A. (1958), Washington and Jefferson; M.D. (1962), Temple.
- †**Robert H. Turner, M.D.**, Assistant Clinical Professor of Dermatology (1972).
B.A. (1961), Texas; M.D. (1965), Texas Southwestern.
- †**Peter Tyerman, M.D.**, Clinical Instructor in Obstetrics and Gynecology (1969).
B.A. (1957), Oregon; M.D. (1961), George Washington.
- †**Hugo Uhland, M.D.**, Clinical Instructor in Medicine (1966).
B.A. (1958), Omaha; M.D. (1961), Nebraska.
- †**Alvin O. Uhle, M.D.**, Assistant Clinical Professor of Surgery (1955).
B.S. (1945), Portland; M.D. (1947), Northwestern.
- †**Benjamin E. Uhlig, M.D.**, Clinical Instructor in Surgery (1973).
B.S. (1959), M.D. (1963), Kansas.
- Richard C. U'Ren, M.D.**, Assistant Professor of Psychiatry (1972).
B.A. (1960), Oregon; M.D. (1964), McGill.
- †**Marvin J. Urman, M.D.**, Clinical Instructor in Family Practice (1971).
B.S. (1947), University of Portland; M.D. (1951), Oregon.
- †**Mary S. Urry, M.B., Ch.B.**, Clinical Instructor in Pediatrics (1969).
M.B., Ch.B. (1960), Manchester (England).
- †**Theodore P. Utt, M.D.**, Clinical Instructor in Psychiatry (1969).
B.A. (1947), Pacific Union; M.D. (1953), Loma Linda.
- †**Robert D. Vallion, M.D.**, Clinical Instructor in Medicine (1972).
B.A. (1961), Oklahoma State; M.D. (1964), University of Oklahoma.
- John T. Van Bruggen, Ph.D.**, Professor of Biochemistry (1947).
B.A. (1937), Linfield; M.A. (1939), Oregon; Ph.D. (1944), St. Louis.
- †**Arthur A. Vandembark, Ph.D.**, Affiliate in Microbiology and Immunology (Veterans Hospital) (1973).
A.B. (1968), Stanford; M.S. (1971), Ph.D. (1973), Washington State.
- †**John G. Vandenberg, M.D.**, Assistant Clinical Professor of Urology (1953).
B.S. (1945), Puget Sound; B.M. (1947), M.D. (1948), Northwestern.
- †**Joseph B. Vander Veer, Jr., M.D.**, Assistant Clinical Professor of Surgery (1972).
B.A. (1959), Wesleyan; M.D. (1965), Rochester.
- †**Clemens W. Van Rooy, M.D.**, Clinical Professor of Pediatrics (1958).
M.D. (1948), St. Louis.
- †**David G. Van Sickle, M.D.**, Clinical Instructor in Medicine (1971).
A.B. (1957), Colgate; M.D. (1966), George Washington.
- †**Thomas A. Van Veen, M.D.**, Clinical Instructor in Family Practice (1971).
B.S. (1961), University of Portland; M.D. (1963), Oregon.
- *†**Charles Varga, M.D.**, Associate Clinical Professor of Pediatrics (1956).
B.S. (1939), Rutgers; M.D. (1944), New York Medical College.
- †**Kenneth W. Vaughn, Jr., M.D.**, Clinical Instructor in Medicine (1971).
B.A. (1960), Columbia; M.D. (1964), Boston.
- †**William R. Vermeere, B.S.**, Clinical Instructor in Radiology (Therapy) (Radiation Biology) (1969).
B.S. (1965), B.S. (1966), Oregon State.
- Jack A. Vernon, Ph.D.**, Professor of Otolaryngology and Medical Psychology (1966).
A.B. (1948), M.A. (1950), Ph.D. (1952), Virginia.

† Volunteer.

‡ Part-time.

* Leave of absence August 1, 1974 to October 1, 1975.

MEDICAL SCHOOL FACULTY

- †**Albert F. C. Vervloet**, M.D., Clinical Instructor in Medicine (1967).
M.D. (1961), Leiden (The Netherlands).
- †**Jon C. Vessely**, M.D., Clinical Instructor in Orthopedics (1971).
B.S. (1959), Ohio State; M.D. (1963), Cincinnati.
- †**R. Mark Vetto**, M.D., Professor of Surgery (Veterans Hospital) (1959).
M.D. (1949), Jefferson; D.Sc. (1959), Cincinnati.
- Jacklyn M. Vidgoff**, Ph.D., Instructor in Medical Genetics (1974).
B.A. (1962), Reed; Ph.D. (1970), University of Washington.
- †**Sandra Vilhauer**, M.D., Clinical Instructor in Pediatrics (1972).
B.S. (1965), Oregon State; M.D. (1969), Oregon.
- †**Vitolds C. Vitums**, M.D., Senior Clinical Instructor in Medicine (1972).
B.S. (1959), Washington State; D.D.S. (1962), University of Washington; M.D. (1968), George Washington University.
- †**Daniel Voiss**, M.D., Clinical Instructor in Psychiatry (1965).
B.S. (1955), M.S., M.D. (1957), Oregon.
- †**John V. Vore**, M.D., Clinical Instructor in Family Practice (1971).
M.D. (1959), Indiana.
- †**Robert O. Voy**, M.D., Assistant Clinical Professor of Family Practice (1972).
B.S. (1955), South Dakota State; B.S. (1962), State University South Dakota; M.D. (1964), Oregon.
- †**Gunnar Waage**, M.D., Clinical Instructor in Pediatrics (1972).
M.D. (1964), Basel.
- †**Frederick D. Wade**, M.D., Clinical Instructor in Orthopedics (1972).
B.A. (1959), Willamette; M.D. (1963), Oregon.
- †**James B. Wade**, M.D., Clinical Instructor in Family Practice (1971).
B.A. (1953), Reed; M.D. (1957), University of Washington.
- †**Carl Wagner**, D.M.D., Clinical Instructor in Anesthesiology (1971).
D.M.D. (1929), Oregon.
- †**David W. Waldram**, M.D., Clinical Instructor in Orthopedics (1974).
B.S. (1963), Portland State; M.D. (1966), Oregon.
- †**George F. Walliker, Jr.**, M.D., Clinical Professor of Pediatrics (1949).
A.B. (1938), Nebraska; B.S. (1940), Portland; M.D. (1944), Tennessee.
- Richard A. Walloch**, Ph.D., Assistant Professor of Otolaryngology (1973).
Ph.D. (1971), Oregon.
- †**John R. Walsh**, M.D., Professor of Medicine (Veterans Hospital) (1960).
B.S. (1943), M.D. (1945), M.Sc.Med. (1951), Creighton.
- Charles L. Waltemath**, M.D., Associate Professor of Anesthesiology (1968).
B.A. (1956), M.D. (1960), Missouri.
- †**Harry L. Walters**, M.D., Clinical Instructor in Family Practice (1974).
B.S. (1966), Nevada; M.D. (1967), Oregon.
- †**Hans G. Wandel**, M.D., Associate Clinical Professor of Radiology (Diagnosis) (1964).
B.A. (1948), Falkschule (Berlin); M.D. (1956), Freie Universitat (Berlin).
- †**Gerald L. Warnock**, M.D., Associate Clinical Professor of Radiology (Diagnosis) (1964).
B.A. (1954), Reed; M.D. (1958), Oregon.
- †**John H. Waterman**, M.D., Associate Clinical Professor of Psychiatry (1967).
A.B. (1944), Park; B.Sc. (1929), M.D. (1933), Nebraska.
- †**Charles W. Watkins**, M.D., Clinical Professor of Dermatology (1958).
B.A. (1948), Montana State University; M.D. (1951), St. Louis; M.S. (1958), Minnesota.
- †**James MacD. Watson**, M.D., Associate Clinical Professor of Neurology (1966).
B.S. (1946), Idaho; M.D. (1949), Chicago.
- †**Edward E. Wayson**, M.D., Associate Clinical Professor of Surgery (1952).
A.B. (1939), Dartmouth; M.D. (1943), Michigan.
- †**Clifford S. Weare**, M.D., Clinical Instructor in Family Practice (1971).
B.S. (1941), M.D. (1943), Nebraska.
- †**John H. Weare**, M.D., Clinical Instructor in Family Practice (1971).
B.S. (1941), M.D. (1943), Nebraska.
- †**Kathleen Weaver**, M.D., Clinical Instructor in Medicine (1972).
B.S. (1965), M.D. (1967), Oregon.
- †**Jerome C. Weeber**, M.D., Clinical Instructor in Urology (1966).
B.A. (1955), M.D. (1958), Iowa.
- †**Linton G. Weed**, M.D., Senior Clinical Instructor in Surgery (1965).
B.S. (1951), M.D. (1954), Wisconsin.
- †**Gaylord C. Weeks**, M.D., Clinical Instructor in Family Practice (1971).
B.A. (1954), Willamette; M.D. (1959), Oregon.
- Virginia L. Weimar**, Ph.D., Associate Professor of Ophthalmology and Affiliate in Pathology (1962).
B.S. (1944), M.S. (1947), Oregon State; Ph.D. (1951), Pennsylvania.
- †**Marvin J. Weinstein**, M.D., Clinical Instructor in Medicine (1970).
B.A. (1951), Reed; M.D. (1955), Oregon.

† Volunteer.

‡ Part-time.

FACULTY

Paul R. Weiser, B.A., Director of Development; Assistant Professor (1974).
B.A. (1959), Brigham Young.

Harry M. Weitlauf, M.D., Associate Professor of Anatomy (1973).
B.A. (1961), B.S. (1963), M.D. (1963), University of Washington.

†**Warren S. Welborn, M.D., J.D.**, Associate Clinical Professor of Public Health and Preventive Medicine (1970).
B.A. (1949), M.D. (1953), Oregon; J.D. (1968), Northwestern School of Law.

†**John D. Welch, M.D.**, Assistant Clinical Professor of Environmental Medicine (1972).
B.S. (1936), Willamette; M.D. (1940), Oregon.

†**Elmer R. Wells, M.D.**, Clinical Instructor in Orthopedics (1974).
B.A. (1958), Pacific & Union; M.D. (1962), Loma Linda.

Herbert A. Wendel, M.D., Associate Professor of Pharmacology (1969).
Physikum (1935), Heidelberg; Med. Natl. Exam. (1939), Berlin.

†**Alvin D. Wert, M.D.**, Clinical Professor of Pediatrics (1946).
A.B. (1937), Colgate; M.D. (1941), Minnesota.

†**Daniel L. Wesche, M.D.**, Clinical Instructor in Psychiatry (1971).
B.S. (1958), Seattle Pacific; M.D. (1961), Oregon.

†**Glenn Weyhrich, M.D.**, Clinical Instructor in Obstetrics and Gynecology (1970).
M.D. (1965), Chicago.

†**W. Mark Wheeler, III, M.D.**, Clinical Instructor in Medicine (1971).
A.B. (1960), Princeton; M.D. (1964), Washington University.

†**Frank G. White, M.D.**, Clinical Instructor in Family Practice (1971).
B.A. (1947), Omaha; M.D. (1951), Nebraska.

†**James Whiting, M.D.**, Assistant Clinical Professor of Radiology (Diagnosis) (1972).
A.B. (1960), Boston; M.D., C.M. (1964), McGill.

†**James P. Whittemore, M.D.**, Associate Clinical Professor of Pediatrics (1948).
A.B. (1942), Holy Cross; M.D. (1945), Harvard.

†**Richard G. Wicklund, M.D.**, Clinical Instructor in Pediatrics (1972).
B.A. (1964), B.S. (1966), M.D. (1966), Minnesota.

†**Alton R. Wiebe, M.D.**, Clinical Instructor in Family Practice (1971).
B.S. (1955), M.D. (1957), Oregon.

Arthur N. Wiens, Ph.D., Professor of Medical Psychology (1958).
B.A. (1948), M.A. (1952), Kansas; Ph.D. (1956), Portland.

†**John B. Wild, M.D.**, Assistant Clinical Professor of Medicine (1963).

M.B., B.S. (1946), St. Mary's Hospital, London; M.D. (1949), London.

†**Cameron J. Wiley, M.D.**, Clinical Instructor in Radiology (Diagnosis) (1965).
B.S. (1955), M.D. (1957), Oregon.

†**David C. Wiley, M.D.**, Clinical Instructor in Medicine (1971).
B.S. (1947), M.D. (1951), Oregon.

James A. Wilkinson, B.S., Senior Instructor in Clinical Pathology (Medical Technology) (1966).
B.S. (1963), Oregon.

†**Allison B. Willeford, M.D.**, Clinical Instructor in Family Practice (1971).
B.S. (1947), North Texas; M.D. (1951), Baylor.

Christopher P. S. Williams, M.D., Associate Professor, Crippled Children's Division; Associate Professor of Pediatrics (1968).
B.A. (1953), M.D. (1958), Oregon.

†**John B. Williams, Jr., M.D.**, Clinical Instructor in Medicine (1973).
B.S. (1972), Kentucky; M.D. (1961), M.S. (1968), Louisville.

†**Martha Williams, M.D.**, Assistant Clinical Professor of Pediatrics (1970).
A.B. (1959), Smith; M.D. (1963), Columbia.

†**Oscar K. Williams, M.D.**, Clinical Instructor in Radiology (Diagnosis) (1968).
B.S. (1939), Oregon; M.D. (1946), St. Louis.

†**Reginald G. Williams, M.D.**, Clinical Instructor in Family Practice (1973).
B.A. (1967), Drake; M.D. (1971), Temple.

†**Dianna Willis, M.D.**, Health Service Physician; Instructor (1974).
A.B. (1967), Radcliffe; M.D. (1971), Tufts.

†**David F. Wilson, M.D.**, Clinical Instructor in Otolaryngology (1972).
B.A. (1959), M.D. (1963), Iowa.

†**Nathaniel D. Wilson, M.D.**, Assistant Clinical Professor of Surgery (1953).
B.S. (1936), Wheaton; B.M. (1940), M.D. (1941), Northwestern.

Donald J. Winans, M.A., Assistant Professor of Psychiatry (1971).
B.S. (1960), Wisconsin State; M.A. (1962), Indiana.

†**Homer Winslow, M.D.**, Clinical Instructor in Continuing Medical Education (1970).
B.S. (1957), M.D. (1960), Oregon.

†**David S. Wisdom, M.D.**, Clinical Instructor in Orthopedic Surgery (1971).
B.S. (1961), Tulane; M.D. (1965), Louisiana State.

†**David L. Wishart, M.D.**, Assistant Clinical Professor of Radiology (Diagnosis) (1970).
B.A. (1958), Harvard; M.D. (1961), Oregon.

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‡ Part-time.

MEDICAL SCHOOL FACULTY

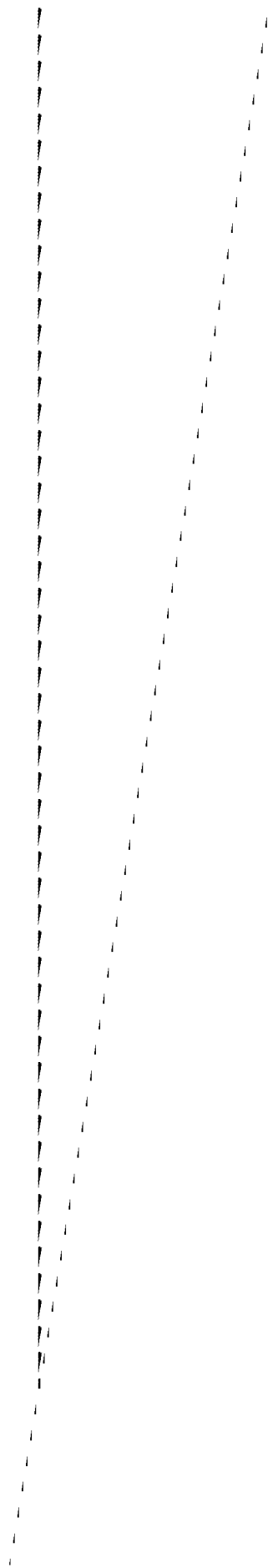
- David M. Witter, Jr., M.A.**, Business Manager, Hospitals and Clinics; Assistant Professor (1972).
B.S. (1964), Portland State; M.A. (1970), Washington State.
- †**Lynn K. Wittwer, M.D.**, Clinical Instructor in Family Practice (1972).
B.S. (1964), Lewis and Clark; M.S., M.D. (1968), Oregon.
- †**John Lee Wobig, M.D.**, Clinical Instructor in Ophthalmology (1970).
B.S. (1961), Lewis and Clark; M.D. (1964), Oregon.
- †**Gordon F. Wolfe, M.D.**, Assistant Clinical Professor of Medicine (1959).
B.S. (1942), M.D. (1954), Illinois.
- †**Peter T. Wolfe, M.D.**, Clinical Instructor in Family Practice (1971).
B.S. (1946), Oregon State; M.D. (1951), Oregon.
- †**James A. Wood, M.D.**, Clinical Professor of Cardio-pulmonary Surgery (1963).
B.A. (1953), Reed; M.D. (1957), Oregon.
- Herbert M. Woodcock, M.D.**, Associate Professor of Child Psychiatry and Pediatrics (1969).
B.S. (1943), Idaho; M.D. (1945), Oregon.
- †**James V. Woodworth, M.D.**, Clinical Instructor in Medicine; Associate Professor of Dentistry (1952).
A.B. (1944), Whitman; M.D. (1946), Oregon.
- †**LeGrande H. Woolley, D.D.S.**, Associate Professor of Dentistry (1966).
D.D.S. (1958), Missouri; M.S. (1966), Oregon.
- †**Ralph D. Worthylake, M.D.**, Clinical Instructor in Psychiatry (1967).
M.D. (1949), Oregon.
- †**Richard C. Wright, M.D.**, Assistant Clinical Professor of Dermatology (1969).
B.S. (1958), M.D. (1963), Oregon.
- †**Wellesley H. Wright, D.D.S., M.S.D.**, Associate Professor of Dentistry (1969).
B.A. (1962), D.D.S. (1959), University of Washington; M.S.D. (1963), Baylor.
- Kirk D. Wuepper, M.D.**, Associate Professor of Dermatology (1972).
B.A. (1959), M.D. (1963), Michigan.
- Herman E. Wyandt, Jr., Ph.D.**, Instructor in Medical Genetics (1974).
B.A. (1962), Western Washington; Ph.D. (1965), Oregon State.
- †**Donald M. Wysham, M.D.**, Assistant Clinical Professor of Medicine (1969).
B.A. (1949), Princeton; M.D. (1953), Harvard.
- †**Maximo C. Yao, M.D.**, Clinical Instructor in Pediatric Neurology (1968).
B.S. (1960), M.D. (1960), Philippines.
- †**Ernest A. Yeck, M.D.**, Clinical Instructor in Continuing Medical Education (1970).
B.S. (1947), M.D. (1951), Nebraska.
- †**Donald A. Young, M.D.**, Clinical Instructor in Urology (1971).
B.A. (1960), Colorado; M.D. (1963), Wayne State.
- Norton B. Young, Ph.D.**, Professor of Speech Pathology and Audiology, Crippled Children's Division; Professor of Pediatrics (Audiology) (1960).
B.S. (1950), M.A. (1953), University of Washington; Ph.D. (1957), Purdue.
- †**Eldon W. Younger, M.D.**, Clinical Instructor in Pediatrics (1967).
B.S. (1960), Oregon State; M.D. (1962), Oregon.
- †**Robert W. Zeller, M.D.**, Associate Clinical Professor of Ophthalmology (1951).
M.D. (1944), Loyola.
- †**Werner E. Zeller, M.D.**, Clinical Professor of Surgery (1946).
B.S. (1933), M.S. (1936), M.D. (1937), Oregon.
- †**Charles J. Zerzan, Jr., M.D.**, Assistant Clinical Professor of Medicine (1968).
B.A. (1948), Willamette; M.D. (1951), Marquette.
- †**Richard C. Zimmerman, M.D.**, Senior Clinical Instructor in Orthopedics (1964).
B.S. (1955), M.D. (1967), Oregon.
- William A. Zimmerman, B.S.**, Associate Dean for Business Affairs; Professor (1945).
B.S. (1939), Oregon.
- Lawrence S. Zivin, M.D.**, Associate Professor of Neurology (1969).
A.B. (1956), A.M. (1958), M.D. (1962), Harvard.
- †**George Zupan, M.D.**, Clinical Instructor in Family Practice (1971).
B.S. (1954), M.D. (1956), Oregon.

† Volunteer.

‡ Part-time.

Crippled Children's Division

- Victor D. Menashe, M.D., Assistant Dean; Director, Professor; Professor of Pediatrics.
- Herold S. Lillywhite, Ph.D., Professor Emeritus of Speech Pathology.
- L. Paul Rasmussen, M.D., Professor; Professor of Pediatrics.
- Rodney K. Beals, M.D., Professor of Orthopedics.
- Robert Blakeley, Ph.D., Professor; Professor of Pediatrics.
- Robert D. Boyd, Ph.D., Professor; Professor of Medical Psychology.
- John R. Campbell, M.D., Professor and Head, Division of Pediatric Surgery.
- Leroy O. Carlson, M.D., Professor; Professor of Pediatrics.
- Ann M. Garner, Ph.D., Professor; Professor of Medical Psychology.
- Frederick Hecht, M.D., Professor; Professor of Pediatrics and Professor of Medical Genetics.
- James Lindemann, Ph.D., Professor; Professor of Medical Psychology.
- William E. Snell, M.D., Professor and Head of Division of Orthopedics.
- Norton Young, Ph.D., Professor; Professor of Pediatrics.
- J. Albert Browder, M.D., Associate Professor; Associate Professor of Pediatrics.
- Ralph O. Coleman, Jr., Ph.D., Associate Professor of Speech Pathology.
- Warren H. Fay, Ph.D., Associate Professor; Associate Professor of Pediatrics.
- John S. Gullikson, D.D.S., Associate Professor; Associate Professor of Dentistry.
- William D. Guyer, M.D., Associate Professor; Associate Professor of Orthopedics.
- Constance Hanf, Ph.D., Associate Professor; Associate Professor of Medical Psychology.
- Jack R. Hegrenes, Ph.D., Associate Professor.
- Russell H. Jackson, Ph.D., Associate Professor; Associate Professor of Medical Psychology.
- Elaine W. Lis, Ph.D., Associate Professor, Nutrition.
- Everett W. Lovrien, M.D., Associate Professor; Associate Professor of Pediatrics.
- David W. Macfarlane, M.D., Associate Professor; Associate Professor of Pediatrics.
- C. Donald Nelson, Ph.D., Associate Professor of Speech Pathology.
- Roland Schmidt, M.D., Associate Professor; Associate Professor of Pediatrics.
- Gerald M. Smith, Ed.D., Associate Professor, Special Education.
- Leif Terdal, Ph.D., Associate Professor; Associate Professor of Medical Psychology .
- Christopher P. S. Williams, M.D., Associate Professor; Associate Professor of Pediatrics.
- Nancy M. Heisley, M.Ed., Associate Clinical Professor of Speech Pathology.
- Lillian T. Cunningham, M.P.H., Assistant Professor, Nutrition.
- Jerry O. Elder, M.A., Assistant Professor, Business Manager.
- Stephen A. Fausti, Ph.D., Assistant Professor (Veterans Hospital).
- Ruby Fields, M.S., R.P.T., Assistant Professor.
- Doris Julian, M.N., Assistant Professor; Assistant Professor of Nursing Education.
- Harold M. Louis, D.D.S., Assistant Professor.
- Jean Macfarlane, M.D., Assistant Professor.
- R. Ellen Magen, M.D., Assistant Professor.
- Rodney O. Pelson, Ph.D., Assistant Professor of Audiology (Clinical Audiology).
- Mary Ellen Stanger, M.D., Assistant Professor; Assistant Professor of Pediatrics.
- Ervin G. Stubbs, M.D., Assistant Professor; Assistant Professor of Psychiatry.
- Emily Tufts, M.D., Assistant Professor of Pediatrics.
- Robert C. Marshall, Ph.D., Assistant Clinical Professor of Speech Pathology.
- Laurence R. Langston, M.D., Senior Clinical Instructor in Orthopedics.
- Catherine A. Loessel, M.P.H., Instructor.
- James E. Merritt, M.S.W., Instructor.
- Merry Meek, Research Assistant.





7

ENROLLMENT
AND DEGREES

ENROLLMENT AND DEGREES

Degrees Conferred June 7, 1974

Doctor of Medicine

GRADUATE

INTERNSHIP/RESIDENCY

Robert Anderson.....	Medical College of Virginia, Richmond, Virginia
Jimmie L. Ashcraft.....	Sacred Heart Hospital, Spokane, Washington
R. Barry Barnes.....	Scottsdale Memorial Hospital, Scottsdale, Arizona
William R. Berryman.....	Veterans Administration Hospital, Long Beach, California
Carl G. Bontrager.....	Deaconess Hospital, Spokane, Washington
John R. Braddock.....	University of Oregon Medical School, Portland, Oregon
James S. Brown.....	Fort Belvoir, Fort Belvoir, Virginia
Wayne N. Burton.....	Northwestern University Medical School, Chicago, Illinois
John D. Caffaratti.....	Emanuel Hospital, Portland, Oregon
Daniel F. Cammack.....	Sacred Heart Hospital, Spokane, Washington
Perry E. Camp.....	Strong Memorial Hospital, Rochester, New York
Ralph A. Carter.....	University of California Affiliated, Davis, California
Cathleen L. Caton.....	Kaiser Foundation, Santa Clara, California
Truman G. Cleaver.....	Emanuel Hospital, Portland, Oregon
Michael J. Cozghlin.....	University of California Hospitals, San Francisco, California
Paul N. Creighton.....	Sacred Heart Hospital, Spokane, Washington
Mark F. Deatherage.....	Kern County General Hospital, Bakersfield, California
Karen J. Drlica.....	Shepard and Enoch Pratt Psychiatric Hospital, Baltimore, Maryland
George M. Edwards.....	Emanuel Hospital, Portland, Oregon
Christen E. Eidal.....	Los Angeles County Harbor General Hospital, Torrance, California
David H. Elliott.....	University of New Mexico Affiliated, Albuquerque, New Mexico
Thomas R. Evans.....	Valley Medical Center, Fresno, California
Robert E. Fleer.....	University of Oregon Medical School, Portland, Oregon
Darrell L. Fort.....	Travis Air Force Base, Fairfield, California
William L. Frenzel.....	
Linda D. Frison.....	Hennepin County General Hospital, Minneapolis, Minnesota
Charles J. Fritz.....	Los Angeles County-USC Medical Center, Los Angeles, California
Gary L. Gambill.....	Milwaukee County General Hospital, Milwaukee, Wisconsin
Gregory L. Gent.....	Mount Zion Hospital, San Francisco, California
Catherine M. Gorchels.....	Norwalk Hospital, Norwalk, Connecticut
E. Reed Gurney.....	San Bernardino County Hospital, San Bernardino, California
Lee D. Hall.....	University of Oregon Medical School, Portland, Oregon
Steven F. Hamman.....	Kaiser Foundation, Santa Clara, California
J. Timothy Hanlon.....	University of Oregon Medical School, Portland, Oregon
Vern W. Harpole.....	St. Lukes Hospital, Fargo, North Dakota
Sidney B. Harr.....	Los Angeles County-USC Medical Center, Los Angeles, California
Larry A. Heinonen.....	University of Oregon Medical School, Portland, Oregon
Cline G. Hickok.....	St. Lukes Hospital, Fargo, North Dakota
Bruce Ito.....	Madigan Army Medical Center, Tacoma, Washington
Kirk D. Jacobson.....	University of Oregon Medical School, Portland, Oregon
Kraig W. Jacobson.....	Letterman Army Medical Center, San Francisco, California
John W. Jendrzewski.....	University of Oregon Medical School, Portland, Oregon
John C. Knudsen.....	Gorgas Hospital, Balboa Heights, Canal Zone
James R. Kopp.....	Naval San Diego, San Diego, California
Alex Kutas.....	Veterans Administration Hospital, Long Beach, California
John A. Lasater.....	Children's Hospital of Northern California, Oakland, California
Gordon E. Lee.....	Santa Clara Valley Medical Center, San Jose, California
Robert D. Lindgren.....	Stanford University, Stanford, California
John R. Lobitz.....	University of Colorado Affiliated Hospitals, Denver, Colorado
Gary D. Lord.....	Fort Belvoir, Fort Belvoir, Virginia
Randall G. Lorenz.....	Veterans Administration Hospital, Long Beach, California
Gregory B. Lorts.....	University of Oregon Medical School, Portland, Oregon
John B. Lyman.....	Maricopa County General Hospital, Phoenix, Arizona
James E. Maras.....	San Bernardino County Hospital, San Bernardino, California
J. Michael Matthews.....	Emanuel Hospital, Portland, Oregon
Jean E. McCusker.....	Johns Hopkins, Baltimore, Maryland
John P. McGahan.....	University of California Affiliated, Davis, California
Michael P. Metke.....	Mayo Graduate School of Medicine, Rochester, Minnesota
Joseph P. Meurer.....	Good Samaritan Hospital, Portland, Oregon
John S. Miller.....	Parkland Memorial Hospital, Dallas, Texas
Dennis G. Minister.....	Syracuse Medical Center, Syracuse, New York

DEGREES

Laurie J. Moore.....	Emanuel Hospital, Portland, Oregon
Larry J. Nagel.....	Stanford University, Stanford, California
Cheryl R. Neal.....	Hershey Medical Center, Hershey, Pennsylvania
Raymond C. Norgaard.....	Emanuel Hospital, Portland, Oregon
Kenneth L. Orwick.....	Maricopa County General Hospital, Phoenix, Arizona
Larry A. Park.....	San Bernardino County Hospital, San Bernardino, California
James F. Parosa.....	University Hospitals Madison, Madison, Wisconsin
Madison W. Patrick.....	Madigan Army Medical Center, Tacoma, Washington
David W. Perlman.....	Emanuel Hospital, Portland, Oregon
Donald A. Peterson.....	University of California Affiliated, Davis, California
Kent H. Pressman.....	Emanuel Hospital, Portland, Oregon
Robert R. Rankin.....	San Bernardino County Hospital, San Bernardino, California
Robin Reece.....	Emanuel Hospital, Portland, Oregon
John W. Reid.....	Baylor College Affiliated Hospitals, Houston, Texas
Dwayne L. Rice.....	University of California Affiliated, Davis, California
Dean P. Rinard.....	Providence Hospital, Portland, Oregon
Rex D. Rolfe.....	Fitzsimmons Army Medical Center, Denver, Colorado
Terry A. Rustin.....	Tucson Hospitals Educational Program, Tucson, Arizona
Gary B. Sahlstrom.....	Los Angeles County-USC Medical Center, Los Angeles, California
Edward J. Sale.....	Emanuel Hospital, Portland, Oregon
S. Michael Sasser.....	Providence Hospital, Portland, Oregon
Donald J. Schiller.....	Santa Clara Valley Medical Center, San Jose, California
Steven J. Schilperoort.....	Emanuel Hospital, Portland, Oregon
James R. Schmidgall.....	St. Josephs Hospital, Houston, Texas
Craig J. Schmidt.....	Parkland Memorial Hospital, Dallas, Texas
Charles P. Schneider.....	University of Oregon Medical School, Portland, Oregon
David C. Seeley.....	Creighton Medical School, Omaha, Nebraska
Miles K. Seeley.....	Emanuel Hospital, Portland, Oregon
John C. Shaw.....	North Carolina Baptist Hospital, Winston-Salem, North Carolina
S. M. Skolnick.....	San Joaquin General Hospital, Stockton, California
P. Tom Slominski.....	Hartford General Hospital, Hartford, Connecticut
Stephen R. Stewart.....	Veterans Administration Hospital, Long Beach, California
James M. Sutton.....	Sepulveda Veterans Administration Hospital, Los Angeles, California
Richard M. Viken.....	University of Arizona Affiliated Educational Program, Tucson, Arizona
W. Lawrence Warner.....	Good Samaritan Hospital, Phoenix, Arizona
Cody K. Wasner.....	Santa Clara Valley Medical Center, San Jose, California
David W. Watson.....	Brooke Army Medical Center, San Antonio, Texas
Bonnie H. Weiner.....	Norwalk Hospital, Norwalk, Connecticut
A. Peter Weir.....	General Hospital Ventura County, Ventura, California
Robert A. Yood.....	University Hospitals Madison, Madison, Wisconsin
Joseph A. Zagata.....	University of Utah Affiliated Hospitals, Salt Lake City, Utah

ENROLLMENT AND DEGREES

Doctor of Philosophy

Stephen M. Edney
Lynn P. Elwell

Haide N. Lightfoot
David Paul Lilley

Peter Stenzel

Henry G. Wada

Master of Science

Stuart M. Rosenblum

J. Edgar Wakayama

Enrollment 1973-1974

First Year Class

Neil M. Ampel
Steven R. Bailey
William H. Baker
Stephen L. Barlow
Sheryl J. Bartel
Gary L. Bassett
Dennis A. Batey
Gordon L. Bell
James P. Benedict
Diane E. Bensmiller
H. Richard Berg
Brett K. Bidgood
James M. Bisio
Carol S. Bogardus
Bruce R. Bohman
Ann E. Brown
Kenneth A. Brown
Robert T. Burke
James C. Campbell
Valerie J. Clappison
Brian R. Copple
Timothy J. Craven
Bonnie J. Creitz
David L. Curnel
Steven A. De Lashmutt
Paul C. Droukas
Robert D. Dyson
Stephen J. Ebner
William R. Eder

David P. Ellis
Timothy W. Ellis
Jon A. Erickson
Leon C. Eshleman
Peter E. Fern
Robert H. Fox
Martin J. Gabica
Michael E. Garnett
James C. Gedney
Mary M. Gilbert
Michael D. Gillies
Daniel L. Graham
Marva C. Graham
Hal G. Hagglund
Michael L. Hall
N. Gregory Hamilton
Eileen K. Harada
Roderick O. Harris
James C. Harvey
Michael L. Henbest
Raymond E. Henshaw, II
Milo L. Hibbert
Clyde J. Hockett
Frank C. Hoffman
John D. Hunter
Stephen P. Ireland
Richard W. Johnson
David A. Krivos
Ruth A. Larson

Colby L. Laughlin
Rodney W. Lee
James D. Livermore
Michael J. Logue
David C. Long
Duane A. Lundeborg
John P. Lyle
John A. Macy
Janet M. Madill
Scott H. Mandel
Janice G. McFarland
Ann L. McGaffey
Scott A. McGeary
Elliott E. Meyerding
Susan E. Meyers
David S. Miller
Thomas H. Milleson
John C. Morrison
Gary D. Mundy
William S. Murphy
George G. S. Ngan
Ronald L. Notestine
David L. Olson
Vergil C. Pebley
Daniel R. Peterson
Jeffrey F. Phillips
Margaret M. Portwood
Timothy J. Powell
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Peter L. Reagan
Michael E. Reaves
Marek Z. Rozycki
Kelly D. Rutherford
Charlene O. Sabin
Gary E. Saito
Paul D. Sanders
David J. Sargent
Curtis J. Schweizer
Jeffrey A. Sharff
David S. Smith
Douglas K. Speedie
Peter J. Spohn
Philip S. Stodola
L. Berle Stratton
Craig J. Teveliet
Carl R. Thornfeldt
Susan A. Tolle
Timothy J. Ungs
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Thomas E. Vanasche
William A. Ward
Mac L. Whitford
Curtis G. Wickre
Rodney P. Wigle
David M. Wills
R. Bruce Worth
David F. Young

Second Year Class

Steven G. Athay
Stephen R. Bach
Donald G. Bair
Timothy D. Barry
Richard J. Barsotti
Kerry C. Biermann
Michael R. Blahnik
Christopher A. Blake
Sarah J. Boekelheide
James C. Bonnette
Mark C. Brackebusch
William J. Brown
Robert G. Byerly
Robert P. Campbell
Juan Cardenas
Robert B. Chadband
Heathcliff S. Chadwick
William C. Claridge
Jan S. Connelly
Steven W. Cross
James E. Davis
Theodore H. de Looze
Gary S. De Vos
Keith H. Evans
J. Stuart Exall
Laird A. Findlay
William C. Fitzhugh
Daniel J. Fleming

Guy F. Gehling
Sherry L. Gentry
Lawrence A. Gill
John C. Girod
Michael E. Grady
Sidney I. Green
Michael M. Greenstreet
Grant K. Higginson
John M. Hine
John E. Hoelsy
Eric R. Houghton
Jeffrey M. Israel
Janet L. Jacobson
Stephen G. Jacobson
Matthew James
Carolyn B. Jones
Charles R. Johnson
James F. Kitterman
Gregory M. Knopf
W. David Larson
C. Frost Lee
Gilbert B. Lee
Myron L. Lee
Thomas A. Lorence
Steven D. Martin
Douglas G. McCallum
Richard A. McCartney
Jon T. McCoy

James K. Mercer
Gerald L. Messerschmidt
James A. Meyer
David W. Murray
P. Bruce Myers
Jane V. Neislar
Ronald L. O'Halloran
Rodney E. Orr
Gregg L. Personett
Beverly E. Phillipson
Scott H. Pressman
Janet L. Price
Alan D. Purdy
Vernon L. Read
Richard A. Redd
James H. Reifschneider
Timothy J. Ritchey
Jay T. Rorick Jr.
Howard S. Rosenbaum
David R. Rummell
Thomas K. Saffy
Lynn E. Samuels
Lewis W. Sayre
Fred V. Schneider
John A. Schvaneveldt Jr.
Douglas C. Shenk
Betty K. Shively
Martin E. Siegel

Steven J. Skoog
David P. Slack
Heather S. Smith
R. Jay Standerfer Jr.
James M. Stansbury
Jane E. Stilwell
Barbara A. Stochosky
Christopher P. Swan
Phillip R. Taggart
Roy A. Taylor
Carol J. Thomas
J. Gordon Thomas Jr.
Steven O. Thomas
James M. Thompson
Rebecca S. Tolby
Edward L. Treyve
Karen M. Vigeland
Timothy F. Vrtiska
James M. Wagner
Stephen C. Walker
John W. Watson
Larry A. Weber
Keith A. White
Michael C. White
Myron E. Whitehead
Craig H. Wisti
Robert R. Witham

ENROLLMENT

Third Year Class

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Randy W. Christensson
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Garry R. Dion
Steven L. Dresler

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Richard M. Eikrem
Dennis R. Elonka
Richard M. Farleigh
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Mark D. Fischer
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Edward A. Galen
W. Ted Galey
Gary D. Gentzkow
David P. George
Tom A. Goodman
Dennis J. Gory
Lawrence E. Gurian
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Brian P. Harwood
Thomas P. Henry
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Stephen G. Hiuga
Jay L. Hollman
Eugene F. Hughes Jr.
David J. Humphreys

Alan T. Hunstock
John L. Jacobson
Frederick A. Jensen
Leyton E. Jump
Brian W. Kelly
Richard C. Keniston
Charles D. Layman
Gregory D. Layne
Nancy A. Lellelid
Dolores A. Leon
Samuel Lin
Thomas W. Lindgren
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Arthur H. Livermore
Stuart L. Loeb
Wayne C. Lucke
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J. Ross Marsh
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John E. Meyer
Michael R. Miller
Richard G. Neher
Gary L. Noland

L. William D. Nowierski
David L. Nunley
Dennis M. O'Connell
John R. Pachot
Daryl D. Pohl
Michael W. Potter
Michael J. Price
William R. Princen
Gerald B. Rich
Deborah S. Rightmier
Russell C. Roundy
Beverly A. Rummell
Bruce M. Samson
Lawrence R. Schacht
Evelyn K. Shukin
Frederick J. Smith
Robert K. Smith
Merle R. Sogge
Oliver L. Stalsbroten
Per Sweetman
Daniel J. Thomas
Tod F. Tolan
Blaine E. Tolby
Gordon L. Wolfe
Steven K. Yowell

Fourth Year Class

Robert R. Anderson
Jimmie L. Ashcraft
R. Barry Barnes
William R. Berryman
Carl G. Bontrager
John R. Braddock
James S. Brown
Wayne N. Burton
John D. Caffaratti
Daniel F. Cammack
Perry E. Camp
Ralph A. Carter
Cathleen L. Caton
Truman G. Cleaver
Michael J. Coughlin
Paul N. Creighton
Mark F. Deatherage
Karen J. Drlica
George M. Edwards
Christen E. Eidal
David H. Elliott
Thomas R. Evans
Robert E. Fleer
Darrell L. Fort
William L. Frenzel
Linda D. Frison

Charles J. Fritz Jr.
Gary L. Gambill
Gregory L. Gent
Catherine M. Gorchels
E. Reed Gurney
Lee D. Hall
Steven F. Hamman
J. Timothy Hanlon
Vern W. Harpole
Sidney B. Harr Jr.
Larry A. Heinonen
Cline G. Hickok
Bruce Y. Ito
Kirk D. Jacobson
Craig W. Jacobson
John W. Jendrzewski
John C. Knudsen
James R. Kopp
Alex Kutas
John A. Lasater
Gordon E. Lee
Robert D. Lindgren
John R. Lobitz
Gary D. Lord
Randall G. Lorenz
Gregory B. Lorts

John B. Lyman
James E. Maras
J. Michael Matthews
Jean E. McCusker
John P. McGahan
Michael P. Metke
Joseph P. Meurer Jr.
John S. Miller
Dennis G. Minister
Laurie J. Moore
Larry J. Nagel
Cheryl R. Neal
Raymond C. Norgaard Jr.
Kenneth L. Orwick
Larry A. Park
James F. Parosa
Madison W. Patrick
David W. Perlman
Donald A. Peterson
Kent H. Pressman
Robert R. Rankin
Robin I. Reece
J. Warren Reid Jr.
Dwayne L. Rice
Dean P. Rinard
Rex D. Rolfe

Craig T. Romney
Terry A. Rustin
Gary B. Sahlstrom
Edward J. Sale
S. Michael Sasser
Donald J. Schiller
Steven J. Schilperoort
James R. Schmidgall
Craig J. Schmidt
Charles P. Schneider
David C. Seeley
Miles K. Seeley
John C. Shaw
S. Michel Skolnick
P. Thomas Slominski
Stephen R. Stewart
James M. Sutton
Richard M. Viken
W. Lawrence Warner
Cody K. Wasner
David W. Watson
Bonnie H. Weiner
A. Peter Weir
Robert A. Yood
J. Lawrence Zagata

Graduate Students

Walid Aljameh
Robert Armen
Thomas Armentrout
Phillip Bach
Marilyn L. Baltz
Deanne L. Benson
William Brunihoelzl
Robert W. Buschman
Edward E. Conrad, Jr.
William D. Corry
Christopher Cunningham
Howard Drummond
Newell Eaton
Michael Eckardt

Stephen Edney
Lynn P. Elwell
Kent Erickson
Leonard Evans
Sally Fairchild
Richard Gillette
Daniel Gray
Thomas Hamilton
Richard Harkins
John W. Hoffman
John J. Jennings
Deanne F. Johnson
Dean P. Jones
Gladys Jongeling

Charles R. Kiefer
Alphonse Krystosek
Haide Lightfoot
David P. Lilley
David Lincoln
Brenda Martin
Glen Martin
James Maylie
Ethel Polonoff
Arnold Poutala
James Rademacher
Dwain Reed
Stuart Rosenblum
Antonio Sauma-Barquero

John W. Scott
Jane Siegel
Arlie Skurdal
Patricia Soltys
Gene Stainbrook
Richard P. Stankins
Robert Steiner
Peter Stenzel
Brian N. Swanson
Allan Truant
Garrett Wada
Junro Wakayama
Kim Wayson
M. Byron Wilder

ENROLLMENT AND DEGREES

Non-Degree Students

Penny S. Amy	Claudia Haag	Donna McDonald	William Nickerson
Craig Bachman	Steve K. Harrel	Rosemary Milbeck	Phutrakul Phornsri
James Coll	Paul Haycock	Mark J. Murray	Judith F. Rosenblum
Robert E. Derry	Mary J. Kelley	Ronald Naito	Daniel Udofa
John H. Engle	Josephine Magnuson	Ann H. Nicholas	

Medical Technology

Alice Marie Abbott	William David Harris	Ruth Berneice Ludtke	Helen Elizabeth Schmidt
Rolann K. Armstrong	Diane Christine Hartford	Barbara Jean Lyle	Linda Karen Segal
Donald Lee Bakeman	Lois Mary Herring	Katherine Mary Maley	Debra Kay Smith
Dennis Michael Balakier	Sandra Sue Hill	Wanda Raydene Manning	Richard Arthur Smith
Christine Leslie Brown	Barbara Joan Keller	Linda Jean Mattson	Kathleen Dee Swan
Mary Lynn Buckingham	Nancy Kiyokawa	Linda Sue McMahon	Roger Weldon Swick
Mary Bernadette Campbell	Rita M. Klein	Linda Marie Messal	Harry Sherman Watkins
Constance Therese Durum	Richard David Knott	James Richard Moore	Robert Alan Weaver
Michael Alvin Duvall	Diane Lynn Kuust	Ruth Alice Moreland	Patricia Dawn Welle
Daniel James Fontanini	Vivian Janet Lake	Marsha Anne Portmann	Bing Suey Wong
Kristi Joyce Gerke	Anna Wing Lee	Linda Diane Ramsey	Eric Mok Kin Wong
Patricia Helen Gilleese	Sally Kathleen Lind	Janine Mika Rutherford	
Laura Elizabeth Gustav	Karen Susan Lord	Chris James Sattem	

Cytotechnology

Bonita Marie Babbitt	Julie Ann Drinkward	Patricia Ann Masumi	Mary Zon Neighbor
Victor Robert Bleys	Gloria Jo Geiser	Hondo	

Cardiopulmonary Physician Assistant Students

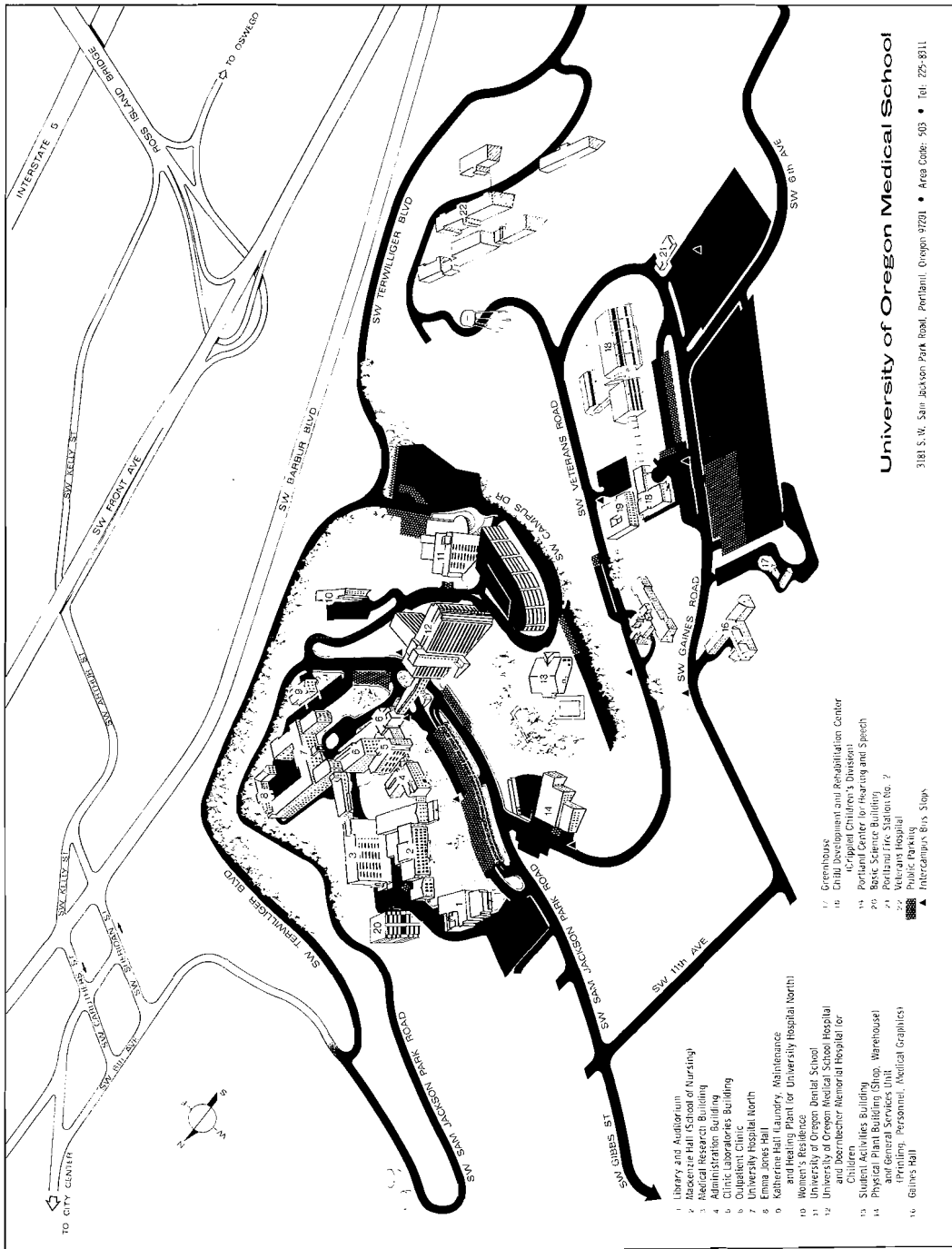
Garry Freeman Scott	Gervaise Lee Wilhelm
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Summary of Enrollment 1973-1974

	Men	Women	Total
First Year	98	17	115
Second Year	95	16	111
Third Year	92	8	100
Fourth Year	94	9	103
Total Regular Students	379	50	429
Graduate Students	46	10	56
Special Students	10	8	19
Medical Technology Students	14	36	50
Total	449	105	554

INDEX

Acceptance of appointment	30	Immunology and Allergy	58
Accreditation	13	Infectious Diseases	58
Administration	13	Instruction	14
Administrative officers	7	Internships	84
Admission requirements	28	Library	15
Advanced standing	31	Licensure	35
Alumni Association	16	Loan funds	23
Anatomy	40	Medical College Admission Test	29
Anesthesiology	53	Medical Genetics	43
Application procedure	29	Medical Psychology	44
Athletics	16	Medical technology	74
Awards	21	Medicine	55
Bachelor's degree	29	Metabolism	59
Biochemistry	41	Microbiology and Immunology	46
Calendar	8, 76	Nephrology	59
Campus map	iv	Neurology	59
Cardiology	56	Neuropathology	48
Cardiopulmonary Surgery	69	Neurosurgery	68
Chest Diseases	57	Nonresident fee	20
Class attendance	32	Nuclear medicine technology	80
Clinical Pathology	53	Nursing	84
Combined M.D.-M.S. program	83	Obstetrics and Gynecology	61
Combined M.D.-Ph.D. program	83	Ophthalmology	62
Conjoint courses—Basic		Oregon State System of	
Medical Science	38	Higher Education	4, 5, 6
Conjoint courses—Clinical Science	52	Orthopedics	70
Continuing medical education	82	Orthoptics	81
Course numbering system	35	Otolaryngology	63
Curriculum in medicine	33	Pathology	47
Cytotechnology	80	Pediatric Surgery	71
Degree requirements, medicine	35	Pediatrics	63
Degrees conferred 1974	136	Perinatology	61
Dentistry	69	Personal interview	30
Description of courses	37	Pharmacology	49
Dermatology	54	Physical examination	30
Dismissal	32	Physical facilities	10
Elective courses	32	Physical Medicine	
Emeritus faculty	90	and Rehabilitation	71
Employment	21	Physiology	50
Endocrinology	57	Postgraduate education	82
Enrollment	140	Premedical requirements	28
Environmental Medicine	66	Prescribed courses, medicine	34
Evaluation of credentials	30	Promotion	31
Experimental Biology	43	Psychiatry	64
Faculty	87	Public Health and	
Faculty committees	88	Preventive Medicine	66
Family Practice	55	Radiation Therapy	68
Fees and expenses	18	Radiation therapy technology	81
Fellowships	21	Radiologic Diagnosis	67
Five-year program	83	Radiologic Technology	81
Gastroenterology	57	Requirements, Doctor of	
General information	9	Medicine degree	35
General Medicine	58	Requirements, graduate degree	83
Grading system and grades	31	Research	15
Graduate Studies	31, 83	Residency programs	84
Grants-in-aid	21	Rheumatology	60
Health Service	18	Scholarships	21
Hematology	58	Scholastic regulations	31
High school preparation	28	Social activities	16
History	10	Special students	30
Hospital Dietetics	80	Student organizations	16
Housing	17	Surgery	69
		Surgical Pathology and Cytology	48
		Urology	71
		Veterans information	21



University of Oregon Medical School

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- 1 Library and Auditorium
- 2 Mazenize Hall (School of Nursing)
- 3 Medical Research Building
- 4 Administration Building
- 5 Clinic Laboratories Building
- 6 Outpatient Clinic
- 7 Emergency Clinic
- 8 Emma Jones Hall
- 9 Katherine Hall (Laundry, Maintenance and Heating Plant for University Hospital North)
- 10 Women's Residence
- 11 University of Oregon Dental School
- 12 University of Oregon Medical School Hospital
- 13 University of Oregon Medical Research Hospital for Children
- 14 Student Activities Building
- 15 Physical Plant Building (Shop, Warehouse and General Services Unit)
- 16 Printing, Personnel, Medical Graphics)
- 17 Gaines Hall

- 17 Greenhouses
- 18 Child Development and Rehabilitation Center
- 19 Triennial Children's Division
- 20 Portland Center for Hearing and Speech
- 21 Basic Science Building
- 22 Portland Fire Station No. 2
- 23 University Hospital
- 24 Public Health Building
- ▲ Inter-campus Bus Stops



University
of Oregon
Catalog

UNIVERSITY
OF OREGON
MEDICAL
SCHOOL
PORTLAND

1974-75

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