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University
of Oregon



MEDICAL SCHOOL

PORTLAND, OREGON

BULLETIN

UNIVERSITY OF OREGON



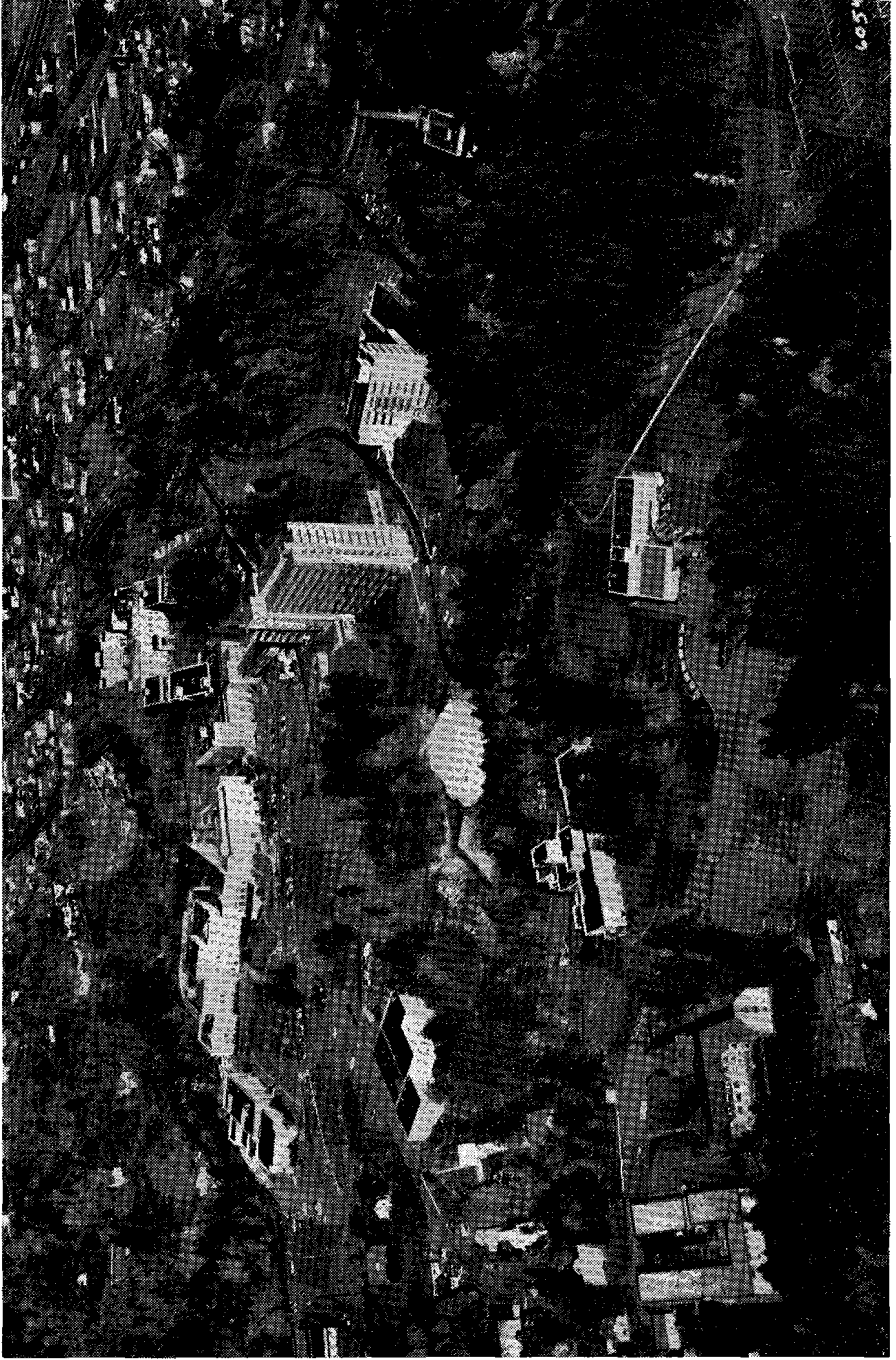
OREGON STATE SYSTEM OF HIGHER EDUCATION

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AERIAL VIEW OF THE UNIVERSITY OF OREGON MEDICAL SCHOOL CAMPUS, PORTLAND

**UNIVERSITY
OF OREGON
MEDICAL
SCHOOL**

1961-62 CATALOG

PORTLAND, OREGON

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Oregon State System of Higher Education

The Oregon State System of Higher Education, as organized in 1932 by the State Board of Higher Education, following a survey of higher education in Oregon by the U. S. Office of Education, includes all the state-supported institutions of higher education. The several institutions are elements of an articulated system, parts of an integrated whole. The educational program is so organized as to distribute as widely as possible throughout the state the opportunities for general education and to center on a particular campus specialized, technical, and professional curricula closely related to one another.

The institutions of the State System of Higher Education are the University of Oregon at Eugene, Oregon State University at Corvallis, Portland State College at Portland, Oregon College of Education at Monmouth, Southern Oregon College at Ashland, Eastern Oregon College at La Grande, and Oregon Technical Institute at Klamath Falls. The University of Oregon Medical School and the University of Oregon Dental School are located in Portland. The General Extension Division, representing all the institutions, has headquarters in Portland and offices in Ashland, Corvallis, Eugene, La Grande, Monmouth, and Salem.

At Oregon College of Education, Southern Oregon College, and Eastern Oregon College, students may complete major work in teacher education or general studies or enroll in a preprofessional program.

Portland State College offers major work in general studies and selected liberal arts and professional fields as well as certain preprofessional programs.

At the University of Oregon and Oregon State University, major curricula, both liberal and professional, are grouped on either campus in accordance with the distinctive functions of the respective institutions in the unified state system of higher education.

Terminal courses in technical and semiprofessional areas are offered at Oregon Technical Institute.

An interinstitutional booklet, *Your Education*, which outlines the curricula of the several institutions and contains other information, is available. For a copy, write to Division of Information, Board of Higher Education, P.O. Box 5175, Eugene, Oregon.

State Board of Higher Education

	Term Expires
A. S. GRANT, Baker.....	1962
CHERYL S. MACNAUGHTON, Portland.....	1963
J. W. FORRESTER, JR., Pendleton.....	1963
ALLAN HART, Portland.....	1964
DOUGLAS McKEAN, Beaverton.....	1964
WILLIAM E. WALSH, Coos Bay.....	1965
RALPH E. PURVINE, Salem.....	1965
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EARL M. PALLETT, Ph.D., Secretary of Board

Office of the State Board of Higher Education
Post Office Box 5175
Eugene, Oregon

Board members are appointed to six-year terms by the Governor of Oregon with confirmation by the State Senate.

University of Oregon Medical School Calendar, 1961-62

Medical and Graduate Students

Fall Term, 1961-62

September 18, *Monday*Registration
September 19, *Tuesday*.....Instruction begins
October 2, *Monday*.....Last day to register for full credit
or to change courses
November 23, *Thursday*.....Thanksgiving Day, holiday
December 9, *Saturday*.....Fall term ends

Winter Term, 1961-62

December 11, *Monday*.....Instruction begins
December 22, *Friday*.....Last day to register for full credit
or to change courses
December 23, 1961, to January 1, 1962.....Christmas vacation
March 10, *Saturday*.....Winter term ends

Spring Term, 1961-62

March 19, *Monday*.....Instruction begins
April 2, *Monday*.....Last day to register for full credit
or to change courses
May 30, *Wednesday*.....Memorial Day, holiday
June 8, *Friday*.....Commencement
June 9, *Saturday*.....Spring term ends

Summer Term, 1961-62

June 11, *Monday*.....Registration
June 11, *Monday*.....Instruction begins
June 25, *Monday*.....Last day to register for full credit
or to change for credit
July 4, *Wednesday*.....Independence Day, holiday
September 1, *Saturday*.....Summer term ends

University of Oregon Medical School Calendar, 1961-62

Medical Technology Students

Fall Term, 1961-62

- September 18, *Monday*.....Registration
September 19, *Tuesday*.....Instruction begins
October 2, *Monday*.....Last day to register for full credit
or to change courses
November 23, *Thursday*.....Thanksgiving Day, holiday
December 2, *Saturday*..... Fall term ends

Winter Term, 1961-62

- December 4, *Monday*.....Registration and instruction begins
December 18, *Monday*.....Last day to register for full credit
or to change courses
December 23, 1961, through January 1, 1962.....Christmas vacation
February 24, *Saturday*.....Winter term ends

Spring Term, 1961-62

- March 5, *Monday*.....Registration and instruction begins
March 19, *Monday*.....Last day to register for full credit
or to change courses
May 19, *Saturday*.....Spring term ends

In addition to the classroom instruction 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.

University of Oregon Medical School

Officers of Administration

JOHN R. RICHARDS, Ph.D., Chancellor, Oregon State System of Higher Education; Professor.

ARTHUR S. FLEMMING, LL.D., President, University of Oregon; Professor.

DAVID W. E. BAIRD, M.D., LL.D., Dean of the Medical School; Professor of Medicine.

CHARLES N. HOLMAN, M.D., Associate Dean of the Medical School; Professor of Medicine.

WILLIAM A. ZIMMERMAN, B.S., Assistant to the Dean; Professor.

JOSEPH J. ADAMS, B.B.A., Assistant to the Dean; Director of Public Affairs; Assistant Professor.

Hospitals and Clinics Administration

DAVID W. E. BAIRD, M.D., Dean; Professor of Medicine.

CHARLES N. HOLMAN, M.D., Medical Director and Administrator; Professor of Medicine.

JARVIS GOULD, M.D., Assistant Medical Director and Assistant Administrator; Associate Professor of Medicine.

MYRON R. GROVER, M.D., Assistant Medical Director; Assistant Professor of Medicine.

WILLIAM A. ZIMMERMAN, B.S., Assistant Administrator; Professor.

GWYNN C. BRICE, Administrative Assistant; Assistant Director of Outpatient Clinic; Assistant Professor.

Business Office

WILLIAM A. ZIMMERMAN, B.S., Business Manager; Professor.

AMBY FREDERICK, B.S., Assistant Business Manager; Associate Professor.

RODNEY T. JEFFREY, B.A., Personnel Officer.

Registrar's Office

CAROLINE H. POMMARANE, B.S., Registrar; Assistant Professor.

Student Activities

WILSON C. DOCKERY, B.S., Director of Student Activities; Instructor.

Library

BERTHA BRANDON HALLAM, B.A., Librarian; Professor.

ORA KIRSHNER GOODMAN, B.S., Catalog Librarian; Assistant Professor.

MARGARET ELIZABETH HUGHES, B.S., Circulation Librarian; Assistant Professor.

LOLITA B. McELVENY, Assistant Circulation Librarian; Instructor.

MARIE K. WAGNER, B.S., Assistant Circulation Librarian; Instructor.

Buildings and Grounds

A. J. CLEMONS, Superintendent of Physical Plant; Assistant Professor.

CHARLES H. ANDERSON, Assistant Superintendent of Physical Plant.

Postgraduate Education

CHARLES N. HOLMAN, M.D., Director; Professor of Medicine.
 GWYNN C. BRICE, Administrative Assistant; Assistant Professor.

Alumni Office

JOSEPH J. ADAMS, B.B.A., Executive Secretary; Assistant Professor.

Student Health Service

JOSEPH B. TRAINER, M.D., Health Service Physician; Associate Professor of
 Physiology and Medicine.

Animal Care Program

ALLAN L. ROGERS, B.A., Director.

Research Instrument Service

GEORGE I. JOHNSTON, B.S., Research Associate.

Medical Illustration

CLARICE ASHWORTH FRANCONI, Medical Illustrator.

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JAMES T. PHILLIPS, Photographer.

Printing

ALBERT L. BIGEJ, Printer.

Executive Faculty

JOHN R. RICHARDS, Chancellor, State System of Higher Education; ARTHUR S. FLEMING, President, University of Oregon; DAVID W. E. BAIRD, Dean of the Medical School; RALPH C. BENSON, JOHN M. BROOKHART, JACKSON T. CRANE, NORMAN A. DAVID, CHARLES T. DOTTER, J. ENGLEBERT DUNPHY, ARTHUR W. FRISCH, JARVIS GOULD, RAYMOND D. GRONDAHL, CHARLES N. HOLMAN, HOWARD P. LEWIS, JOSEPH D. MATARAZZO, EDWIN E. OSGOOD, ANTHONY A. PEARSON, GEORGE SASLOW, RICHARD L. SLEETER, KENNETH C. SWAN, ADOLPH WEINZIRL, EDWARD S. WEST, WILLIAM A. ZIMMERMAN, (secretary ex officio).

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Henry Waldo Coe Prize—HANCE F. HANEY (chairman), CLARENCE V. HODGES.

Jones Lectureship—HOWARD P. LEWIS (chairman), HANCE F. HANEY.

Library—NORMAN A. DAVID (chairman), MORTON GOODMAN, NOBLE WILEY JONES, NELSON R. NILES, GOODRICH C. SCHAUFFLER, ARCHIE R. TUNTURI, WILBERT R. TODD, BERTHA B. HALLAM (ex officio).

Patent—WILLIAM A. ZIMMERMAN (chairman), BENJAMIN B. ROSS, ROY L. SWANK, JOHN T. VAN BRUGGEN.

- Radioisotope Committee*—RAYMOND D. GRONDAHL (chairman), TYRA T. HUTCHENS, EDWIN E. OSGOOD, JOHN T. VAN BRUGGEN.
- Research*—JOHN M. BROOKHART (chairman), ROBERT L. BACON, JACKSON T. CRANE, FREDERICK P. HAUGEN, DANIEL H. LABBY, WALTER C. LOBITZ, JR., DONALD E. PICKERING, EDWARD S. WEST, JOSEPH J. ADAMS (ex officio).
- Scholarships*—EDWARD S. WEST (chairman), RAYMOND D. GRONDAHL, CLARENCE V. HODGES, WILLIAM A. ZIMMERMAN.
- Student Faculty*—Faculty Members: FREDERICK P. HAUGEN (chairman), HOWARD P. LEWIS, ANTHONY A. PEARSON, CLARE G. PETERSON, EDWARD S. WEST. Student members are elected for one- or two-year terms.
- Dean's Advisory Committee for the Veterans Hospital*—D. W. E. BAIRD (chairman), JARVIS GOULD (vice-chairman and secretary), DONALD E. FORSTER, CHARLES N. HOLMAN, HOWARD P. LEWIS, HAROLD J. NOYES, KENNETH C. SWAN, EDWARD S. WEST.

Emeritus Faculty

- NOBLE WILEY JONES, M.D., Professor Emeritus of Medicine.
 WILLIAM K. LIVINGSTON, M.D., Professor Emeritus of Surgery.
 FRANK R. MENNE, M.D., Professor Emeritus of Pathology.
 MERLE W. MOORE, M.D., Associate Professor Emeritus of Medicine.
 EUGENE W. ROCKEY, M.D., Professor Emeritus of Surgery.
 JAMES W. ROSENFELD, M.D., Professor Emeritus of Pediatrics.
 HARRY J. SEARS, Ph.D., Professor Emeritus of Bacteriology.
 LAURENCE SELLING, M.D., Professor Emeritus of Medicine.

Faculty*

- JOHN F. ABELE, M.D., Assistant Clinical Professor of Orthopedic Surgery (1946).
 B.A. (1930), M.D. (1934), Oregon.
- 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 to the Dean; Director of Public Affairs; Alumni Executive Secretary (Assistant Professor) (1951).
 B.B.A. (1949), Gonzaga.
- H. VICTOR ADIX, M.D., Clinical Associate in Otolaryngology (1934).
 B.A. (1928), M.D. (1930), Oregon; M. Med. Sc. (1933), Pennsylvania.
- CLIFFORD V. ALLEN, M.D., Clinical Professor of Radiotherapy (1955).
 M.D. (1933), Iowa.
- JAMES S. ARNOLD, M.D., Clinical Associate in Pathology (1961).
 B.S., M.D., (1948), Duke.
- CARL G. ASHLEY, M.D., Assistant Clinical Professor of Pediatrics (1936).
 B.A. (1927), M.D. (1931), Oregon.
- KURT W. AUMANN, M.D., Clinical Associate in Medicine (1948).
 B.S. (1936), Washington State; M.A. (1940), M.D. (1942), Oregon.
- GEORGE M. AUSTIN, M.D., Professor of Neurosurgery; Head of Division (1957).
 A.B. (1938), Lafayette; M.D. (1942), Pennsylvania.

*The year in parentheses following the name of each faculty member indicates the date of original appointment to the faculty.

FACULTY

13

- JAMES H. AUSTIN, M.D., Associate Professor of Neurology (1955).
M.D. (1948), Harvard.
- S. GORHAM BABSON, M.D., Associate Professor of Pediatrics (1941).
B.S. (1933), M.D. (1936), Oregon.
- DANIEL M. BACHMAN, M.D., Assistant Professor of Medicine (1956).
B.A. (1949), Reed; M.S., M.D., (1952), Oregon.
- ROBERT L. BACON, Ph.D., Professor of Anatomy (1955).
B.S. (1940), Hamilton; Ph.D., (1944), Yale.
- PAUL BAILEY, M.D., Clinical Professor of Otolaryngology (1929).
M.D. (1925), Oregon.
- PAUL F. BAILEY, M.D., Clinical Instructor in Ophthalmology (1958).
B.S. (1951), Oregon State; M.D. (1953), Oregon.
- DAVID W. E. BAIRD, M.D., Dean of the Medical School; Professor of Medicine (1928).
M.D. (1926), Oregon; LL.D. (1946), University of Portland.
- MICHAEL D. BAIRD, M.D., Instructor in Medicine (1961).
B.S. (1954), Reed; M.S., M.D. (1957), Oregon.
- HARVEY W. BAKER, M.D., Clinical Associate in Surgery (1953).
B.A. (1939), Cornell; M.D. (1943), Columbia.
- MARY ELIZABETH BAPTIST, B.A., Instructor in Medical Technology (1950).
B.A. (1944), Montana State University.
- JOHN W. BASSETT, M.D., Clinical Associate in Surgery (1954).
B.S. (1943), Arkansas; M.D. (1944), Tulane.
- JACK E. BATTALIA, M.D., Clinical Instructor in Surgery (1954).
B.A. (1945), Reed; M.D. (1946), Oregon.
- SAMUEL T. BEALL, M.D., Clinical Instructor in Medicine (1954).
A.B. (1940), Whitman; M.D. (1950), Louisville.
- RODNEY K. BEALS, M.D., Instructor in Orthopedic Surgery (1961).
B.A. (1953), Willamette; M.D. (1956), Oregon.
- G. DONALD BEARDSLEY, M.D., Clinical Instructor in Urology (1954).
B.A. (1945), M.D. (1947), Oregon.
- CLARISSA H. BEATTY, Ph.D., Associate Professor of Biochemistry (1953).
B.A. (1941), Sarah Lawrence; M.S. (1942), Ph.D., (1945), Columbia.
- WILLIAM S. BECK, M.D., Clinical Instructor in Medicine (1960).
B.S. (1949), M.D. (1952), Northwestern.
- HARRY G. BECKWITH, JR., M.D., Clinical Instructor in Surgery (1953).
B.A. (1938), Reed; M.D. (1942), Oregon.
- ROBERT H. BEDROSSIAN, M.D., Clinical Instructor in Ophthalmology (1959).
A.B. (1946), Haverford; M.D. (1947), Temple; M.Sc. (1953), Pennsylvania.
- RODERICK E. BEGG, M.D., Assistant Clinical Professor of Orthopedic Surgery (1939).
B.S. (1924), Oregon State; M.D. (1937), Oregon.
- ANIS M. BEHNAM, M.B., B.Ch., Instructor in Urology (1960).
M.B., B.Ch. (1951), Faculty of Medicine, Cairo University, Egypt.
- JOHN A. BENSON, JR., M.D., Associate Professor of Medicine; Head of Division of Gastroenterology (1959).
B.A. (1943), Wesleyan University; M.D. (1946), Harvard.
- RALPH C. BENSON, M.D., Professor of Obstetrics and Gynecology; Chairman of Department (1956).
B.A. (1932), Lehigh University; M.D. (1936), Johns Hopkins.

- FREDERIC H. BENTLEY, M.D., Clinical Instructor in Surgery (1953).
B.S. (1926), M.B., Ch.B. (1929), M.D. (1946), Manchester (England); F.R.C.S. (1932), Royal College of Surgeons.
- JOHN H. BENWARD, M.D., Assistant Clinical Professor of Pediatrics (1943).
B.S. (1937), M.D. (1939), Oklahoma.
- ARTHUR W. BERG, M.D., Clinical Associate in Medicine (1953).
B.A. (1943), M.D. (1945), Oregon.
- RICHARD F. BERG, M.D., Assistant Clinical Professor of Orthopedic Surgery (1935).
A.B. (1923), M.D. (1926), Oregon.
- EDMUND H. BERGER, M.D., Clinical Associate in Medicine (1934).
A.B., B.S. (1925), Linfield; M.D. (1929), Oregon; M.S. (1933), Minnesota.
- ARTHUR M. BERGMAN, M.D., Clinical Associate in Medicine (1948).
B.A. (1940), M.D. (1943), New York University.
- STANLEY F. BERGQUIST, M.D., Clinical Instructor in Surgery (1956).
B.S. (1945), M.D. (1947), Illinois.
- SIGFRIED R. BERTHELSDORF, M.D., Clinical Instructor in Psychiatry (1957).
B.A. (1934), M.A., M.D. (1939), Oregon.
- ADALBERT G. BETTMAN, M.D., Clinical Associate in Surgery (1932).
M.D. (1907), Oregon.
- ROBERT H. BIGLEY, M.D., Instructor in Medicine (1960).
B.S. (1951), University of Washington; M.D. (1953), Oregon.
- MARCIA K. BILBAO, M.D., Instructor in Radiology (1961).
B.S. (1952), Minnesota; M.D. (1957), Columbia.
- JOSEPH B. BILDERBACK, M.D., Clinical Professor of Pediatrics (1911).
M.D. (1905), Oregon.
- DANIEL K. BILLMEYER, M.D., Clinical Instructor in Pediatrics (1956).
B.S. (1943), M.D. (1946), Chicago.
- THEODORE M. BISCHOFF, M.D., Clinical Instructor in Obstetrics and Gynecology (1948).
B.A. (1937), Reed; M.D. (1939), Oregon.
- HARRY C. BLAIR, M.D., Clinical Professor of Orthopedic Surgery (1926).
M.D. (1915), Oregon.
- PAUL H. BLACHLY, M.D., Assistant Professor of Psychiatry (1961).
B.A. (1950), Reed; M.S., M.D. (1955), Oregon.
- ROBERT W. BLAKELEY, Ph.D., Instructor in Speech Pathology and Hearing (1959).
B.A. (1951), California; M.S. (1952), Oregon; Ph.D. (1958), Michigan.
- JOHN A. BLANCHARD, M.D., Clinical Instructor in Medicine (1954).
B.S. (1941), Montana State College; M.D. (1950), Oregon.
- RODERICK C. BLATCHFORD, M.D., Assistant Clinical Professor of Obstetrics and Gynecology (1938).
A. B. (1927), Willamette; M.D. (1933), Oregon.
- ROSE MARY BOCEK, M.S., Instructor in Biochemistry (1957).
B.S. (1946), Marylhurst; M.S. (1954), Oregon.
- DARRELL C. BOLLAM, M.D., Clinical Associate in Surgery (1937).
B.S. (1927), M.D. (1928), Oregon.
- RICHARD N. BOLTON, M.D., Clinical Instructor in 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.
- ALLEN M. BOYDEN, M.D., Associate Clinical Professor of Surgery (1946).
B.A. (1929), Oregon; M.D. (1932), M.S. (1937), Michigan.
- THOMAS J. BOYDEN, M.D., Clinical Instructor in Orthopedic Surgery (1953).
B.A. (1944), M.D. (1946), Oregon.
- JEAN H. BOYES, B.S., Instructor in Cytotechnology (1961).
B.S. (1948), Lewis and Clark College.
- GEORGE A. BOYLSTON, M.D., Assistant Clinical Professor of Medicine (1946).
B.S. (1936), M.S. (1937), M.D. (1939), Northwestern.
- CHARLES BRADLEY, M.D., Associate Clinical Professor of Child Psychiatry (1948).
B.S. (1925), Cornell; M.D. (1929), Harvard.
- JOHN O. BRANFORD, M.D., Clinical Instructor in Anesthesiology (1959).
B.A. (1936), Concordia; M.D. (1946), Oregon.
- MELVIN W. BREESE, M.D., Clinical Instructor in Obstetrics and Gynecology (1948).
B.S. (1936), Oregon State; M.D. (1943), Oregon.
- GWYNN C. BRICE, Administrative Assistant; Assistant Director of Outpatient Clinic (Assistant Professor) (1946).
- MORRIS L. BRIDGEMAN, M.D., Associate Clinical Professor of Pediatrics (1927).
Ph.D. (1916), Montana State University; M.D. (1924), Oregon.
- ISIDOR C. BRILL, Associate Clinical Professor of Medicine (1916).
B.A. (1912), M.D. (1914), Columbia.
- DONALD M. BRINTON, M.D., Clinical Instructor in Anesthesiology (1959).
B.A. (1945), M.D. (1947), Oregon.
- *JOHN DAVID BRISTOW, M.D., Clinical Instructor in Medicine (1960).
B.A. (1949), Willamette; M.D. (1953), Oregon.
- ROBERT E. BROOKS, B.S., Instructor in Pathology (Electron Microscopy) (1961).
B.S. (1948), California.
- JOHN M. BROOKHART, Ph.D., Professor of Physiology; Chairman of Department (1949).
B.S. (1935), M.S. (1936), Ph.D. (1939), Michigan.
- ROBERT J. BRUCKNER, D.D.S., Clinical Associate in Dental Medicine (1960).
D.D.S. (1944), Maryland; M.S. (1948), Western Reserve.
- ROBERT E. BUCKMASTER, M.D., Clinical Instructor in Orthopedic Surgery (1953).
B.S. (1941), Hartwick; M.D. (1944), New York Medical.
- PAUL R. BURGNER, M.D., Clinical Associate in Medicine (1956).
B.S. (1948), M.D. (1952), Oregon.
- ROBERT P. BURNS, M.D., Associate Professor of Ophthalmology (1959).
B.S. (1945), University of Portland; M.D. (1947), Oregon.
- WILLIAM Y. BURTON, M.D., Associate Clinical Professor of Radiology (1940).
A.B. (1931), B.S. (1933), Missouri; M.D. (1936), Washington University.
- JOHN W. BUSSMAN, M.D., Clinical Instructor in Pediatrics (1954).
B.S. (1946), M.B. (1947), M.D. (1948), Minnesota.
- BRUCE V. BUTLER, Ph.D., Instructor in Medical Psychology (1960).
B.A. (1954), Ph.D. (1960), California.
- JOHN L. BUTLER, M.D., Assistant Professor of Psychiatry (1958).
B.S. (1942), Idaho; M.D. (1946), Johns Hopkins.

* On leave of absence for Senior Fellowship, Cardiovascular Institute, University of California Medical School, San Francisco, Calif.

- RICHARD B. BYRD, M.D., Clinical Instructor in Medicine (1960).
B.A. (1950), Central College, Fayette, Mo.; M.D. (1954), St. Louis; M. S. (1960), Minnesota.
- NATHAN J. CAMPBELL, M.D., Clinical Instructor in Surgery (1950).
M.D. (1949), Temple.
- PAUL CAMPBELL, M.D., Clinical Instructor in Orthopedic Surgery (1956).
B.A. (1945), M.D. (1949), Stanford; M.S. (1955), Michigan.
- JAMES F. CARLIN, M.D., Assistant Clinical Professor of Psychiatry (1960).
M.D. (1952), Western Reserve.
- C. ELMER CARLSON, M.D., Clinical Professor of Orthopedic Surgery (1925).
A.B. (1917), Reed; M.D. (1920), Oregon.
- C. CONRAD CARTER, M.D., Clinical Associate in Medicine (1956).
B.A. (1946), Reed; M.D. (1948), Oregon.
- RAYMOND A. CASE, JR., M.D., Clinical Instructor in Orthopedic Surgery (1959).
M.D. (1947), Hahnemann.
- LEROY S. CASPERSEN, M.D., Clinical Instructor in Obstetrics and Gynecology (1960).
B.A., (1952), Reed; M.D. (1956), Oregon.
- CHARLES E. CATLOW, JR., M.D., Clinical Instructor in Urology (1949).
B.S. (1943), University of Portland; M.D. (1944), Oregon.
- GEORGE E. CHAMBERLAIN, M.D., Clinical Professor in Otolaryngology (1947).
B.A. (1936), M.D. (1938), Oregon.
- JOHN D. CHASE, M.D., Clinical Instructor in Medicine (1956).
B.A. (1942), Wabash; M.D. (1945), Western Reserve.
- LESTER R. CHAUNCEY, M.D., Associate Clinical Professor of Surgery (1940).
B.A. (1931), Victoria; M.D. (1934), Toronto; M.S. (1939), Minnesota.
- CHARLES L. CHAVIGNY, M.D., Clinical Instructor in Obstetrics and Gynecology (1956).
B.S. (1933), B.E. (1934), Tulane; M.D. (1951), Louisiana State.
- BRUCE R. CHENOWETH, M.D., Clinical Instructor in Dermatology (1956).
B.S. (1947), M.D. (1949), Oregon.
- HOWARD L. CHERRY, M.D., Clinical Instructor in Orthopedic Surgery (1950).
M.D. (1943), Oregon.
- LEONARD CHRISTENSEN, M.D., Associate Professor of Ophthalmology (1950).
B.A. (1937), Oregon State; M.D. (1941), M.S. (1949), Oregon.
- E. GEORGE CHUINARD, M.D., Associate Clinical Professor of Orthopedic Surgery (1938).
B.A. (1926), Puget Sound; M.D. (1934), Oregon.
- C. LOUISE CLANCY, M.D., Clinical Instructor in Obstetrics and Gynecology (1944).
B.A. (1929), Albion; M.D. (1934), University of Chicago.
- WILLIAM M. CLARK, JR., M.D., Associate Professor of Pediatrics (1954).
B.A. (1946), Baker; M.D. (1949), University of Chicago.
- WINFRED H. CLARKE, M.D., Clinical Instructor in Orthopedic Surgery (1957).
B.S., M.B., M.D. (1941), Minnesota.
- JOHN G. P. CLELAND, M.D., Clinical Associate in Surgery (1948).
M.D., C.M. (1924), M.S. (1926), McGill.
- A. J. CLEMONS, Superintendent of Physical Plant (Assistant Professor) (1950).
- KEITH M. CLISBY, M.D., Clinical Instructor in Surgery (1947).
B.S. (1929), Oregon State; M.D. (1934), Oregon.

- QUENTIN W. COCHRAN, M.D., Assistant Clinical Professor of Pediatrics (1951).
B.A. (1940), Reed; M.D. (1943), Oregon.
- TERENCE H. COCHRAN, M.D., Assistant Clinical Professor of Pathology (1960).
B.S. (1939), Oregon State; M.D. (1941), Oregon.
- CHARLES W. COFFEN, M.D., Clinical Associate in Medicine (1941).
B.S. (1932), Stanford; M.D. (1936), Johns Hopkins.
- LAWRENCE J. COHEN, M.D., Clinical Instructor in Orthopedic Surgery (1950).
B.S. (1930), M.D. (1934), Maryland.
- WILLIAM COHEN, M.D., Clinical Associate in Medicine (1946).
B.A. (1931), Reed; M.D. (1935), Oregon.
- EMERSON J. COLLIER, M.D., Clinical Instructor in Urology (1956).
B.S. (1941), Alaska; M.D. (1944), Oregon.
- HUGH DONALD COLVER, M.D., Clinical Instructor in Surgery (1950).
B.A. (1940), College of Idaho; M.D. (1943), Oregon.
- WILLIAM S. CONKLIN, M.D., Associate Clinical Professor of Surgery (1943).
A.B. (1931), Dartmouth; M.D. (1934), Pennsylvania.
- ROBERT R. COOPER, M.D., Clinical Instructor in Otolaryngology (1961).
B.A. (1950), Cornell; M.D. (1954), M.S. (1960), Iowa.
- GEORGE W. COTTRELL, M.D., Clinical Associate in Orthopedic Surgery (1949).
B.A. (1937), Oregon State; M.D. (1939), Oregon.
- ROBERT C. COWGER, M.D., Clinical Instructor in Ophthalmology (1959).
M.D. (1944), Nebraska.
- JACKSON T. CRANE, M.D., Professor of Pathology; Chairman of Department (1960).
A.B. (1943), M.D. (1945), California.
- RUDOLPH M. CROMMELIN, M.D., Clinical Associate in Medicine (1941).
B.S.M., M.D. (1937), Creighton.
- FRANK W. CROWE, M.D., Associate Clinical Professor of Dermatology (1957).
B.S. (1941), Idaho; M.D. (1949), Utah.
- JOYLE DAHL, M.D., Associate Clinical Professor of Dermatology (1932).
B.A. (1926), M.D. (1930), Oregon.
- GEORGE W. DANA, M.D., Associate Professor of Pediatrics (1951).
A.B. (1940), M.D. (1943), Harvard.
- THELMA M. DANILSON, M.S.S., Instructor in Psychiatric Social Work (1953).
B.A. (1938), University of Washington; M.S.S. (1948), University of Chicago.
- NORMAN A. DAVID, M.D., Professor of Pharmacology; Chairman of Department (1937).
A.B. (1925), M.D. (1931), California.
- AUBREY M. DAVIS, M.D., Assistant Clinical Professor of Medicine (1934).
B.A. (1927), Stanford; M.D. (1929), Oregon.
- EDWARD W. DAVIS, M.D., Clinical Associate in Neurosurgery (1948).
A.B. (1935), M.D. (1939), California.
- HAROLD E. DAVIS, M.D., Assistant Clinical Professor of Orthopedic Surgery (1946).
B.A. (1936), M.D. (1940), Oregon.
- JOE B. DAVIS, M.D., Associate Clinical Professor of Orthopedic Surgery (1941).
B.A. (1930), Willamette; M.D. (1934), Oregon.
- THOMAS A. DAVIS, M.D., Clinical Associate in Urology (1949).
A.B. (1926), Reed; M.D. (1931), Oregon.

- W. ROBERT DAY, M.D., Clinical Instructor in Pediatrics (1960).
B.S. (1953), Oregon State; M.D. (1955), Oregon.
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B.S. (1936), Oregon State; M.D. (1940), Oregon.
- JOHN P. DENNIS, M.D., Clinical Instructor in Neurosurgery (1959).
B.S. (1949), Oregon State; M.D. (1951), Oregon.
- 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 Surgery (1955).
B.A. (1939), Union; M.D. (1943), Cornell.
- ARCH W. DIACK, M.D., Clinical Associate in Surgery (1937).
A.B. (1929), Dartmouth; M.D. (1933), Michigan.
- SAMUEL L. DIACK, M.D., Clinical Instructor in Medicine (1933).
M.D. (1930), Michigan.
- H. LENOX H. DICK, M.D., Assistant Clinical Professor of Pharmacology (1950).
A.B. (1941), Pennsylvania; M.D. (1944), Jefferson.
- HERMAN A. DICKEL, M.D., Associate Clinical Professor of Psychiatry (1942).
B.A. (1933), Montana State University; M.B. (1937), M.D. (1938), Northwestern.
- ESTILL N. DIETZ, M.D., Clinical Instructor in Medicine (1957).
M.D. (1946), Long Island College of Medicine.
- MARLOW DITTEBRANDT, M.D., Assistant Clinical Professor of Clinical Pathology (1948).
B.S. (1934), Washington State; M.A., M.D. (1938), Oregon.
- HENRY H. DIXON, M.D., Clinical Professor of Psychiatry (1932).
M.D. (1928), Washington University.
- HENRY H. DIXON, JR., M.D., Clinical Instructor in Psychiatry (1959).
B.S. (1952), M.D. (1955), Oregon.
- DONALD P. DOBSON, M.D., Clinical Instructor in Anesthesiology (1957).
M.D. (1950), Boston University.
- RICHARD L. DOBSON, M.D., Associate Professor of Dermatology (1961).
M.D. (1953), Chicago.
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B.S. (1937), Oregon State.
- CHARLES T. DOTTER, M.D., Professor of Radiology; Chairman of Department (1952).
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- ROBERT S. DOW, M.D., Associate Clinical Professor of Neurology (1939).
B.S. (1929), Linfield; M.A., M.D. (1934), Ph.D. (1935), Oregon.
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B.A. (1929), Holy Cross; M.D. (1933), Harvard.
- RAPHAEL B. DURFEE, M.D., Associate Professor of Obstetrics and Gynecology (1957).
B.A. (1939), M.D. (1944), Stanford.
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B.A. (1941), Rochester; M.D. (1950), Syracuse.

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M.D. (1914), New York University.
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B.S. (1935), M.D. (1938), Illinois.
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- WAYNE G. ERICKSEN, M.D., Assistant Clinical Professor of Radiology (1950).
B.A. (1944), Stanford; M.D. (1946), Oregon.
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B.A. (1951), Reed; M.D. (1955), Oregon.
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B.A. (1930), Montana State University; M.D. (1935), Kansas.
- JACK H. FELLMAN, Ph.D., Associate Professor of Biochemistry; Assistant Professor of Neurology (1955).
B.A. (1948), M.A. (1952), Ph.D. (1954), Kansas.
- CHARLES FERGUSON, M.D., Clinical Instructor in Urology (1961).
B.A. (1919), College of Idaho; M.A., M.D. (1922), Oregon.
- ROBERT E. FISCHER, M.D., Clinical Instructor in Ophthalmology (1952).
B.A. (1944), Oregon State; M.D. (1946), Oregon.
- STELLA FISHER, M.D., Clinical Instructor in Medicine (1953).
B.A. (1933), Hunter; M.D. (1937), Woman's Medical College.
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B.A. (1946), M.A. (1947), British Columbia; M.D. (1951), Oregon.
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B.S. (1948), M.D. (1952), Oregon.
- WILLIAM S. FLETCHER, M.D., Instructor in Surgery (1960).
A.B. (1952), Dartmouth; M.D. (1955), Harvard.
- LYND L. FOLTS, M.D., Clinical Instructor in Medicine (1961).
B.S. (1937), University of Washington; M.D. (1943), Oregon.
- ROBERT F. FORAN, M.D., Instructor in Surgery (1961).
B.A. (1953), U.C.L.A.; M.D. (1956), California.
- DONALD E. FORSTER, M.D., Clinical Associate in Medicine (1939).
A.B. (1931), Colgate; M.D. (1935), Harvard.
- JAMES H. FOSTER, M.D., Instructor in Surgery (1961).
B.A. (1950), Haverford; M.D. (1954), Columbia.
- THOMAS J. FOX, M.D., Clinical Associate in Surgery (1950).
B.S. (1937), University of Portland; M.D. (1941), Oregon.

- RICHARD W. FRANKLIN, M.D., Clinical Instructor in Obstetrics and Gynecology (1955).
B.S. (1945), M.D. (1948), Oregon.
- W. RONALD FRAZIER, M.D., Clinical Instructor in Obstetrics and Gynecology (1932).
B.S. (1925), Reed; M.D. (1929), Harvard.
- AMBY FREDERICK, B.S., Assistant Business Manager (Associate Professor) (1946).
B.S. (1932), Oregon State.
- KATHERINE S. FRENCH, Ph.D., Instructor in Anthropology in Pediatrics (1959).
B.A. (1942), Pomona; Ph.D. (1955), Columbia.
- ARTHUR W. FRISCH, M.D., Professor of Bacteriology; Chairman of Department (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.
- LOUIS H. FRISCHE, M.D., Associate Clinical Professor of Radiology (1953).
M.D. (1949), Harvard.
- ROBERT J. FRY, M.D., Clinical Instructor in Orthopedic Surgery (1958).
B.A. (1947), Michigan; M.D. (1952), Temple.
- TOSHIO FUJIKURA, M.D., Instructor in Pathology and Obstetrics and Gynecology (1960).
M.D. (1950), Keio Gijuku University School of Medicine, Shinano-machi, Shinju-ku, Tokyo, Japan.
- MALCOLM E. FULLER, M.D., Clinical Instructor in Obstetrics and Gynecology (1959).
B.S. (1942), Florida; M.D. (1951), Oregon.
- REMY W. FULSHER, M.D., Clinical Instructor in Obstetrics and Gynecology (1955).
M.D. (1950), Ohio State.
- PETER J. GALANTE, M.D., Associate in Medicine (1955).
B.A. (1928), Cornell; M.D. (1933), Royal University of Turin (Italy).
- WILLIAM P. GALEN, M.D., Assistant Clinical Professor of Medicine (1953).
B.S. (1946), M.D. (1948), Oregon.
- CALVIN E. GANTENBEIN, M.D., Clinical Instructor in Orthopedic Surgery (1950).
B.A. (1931), M.D. (1933), Oregon.
- J. SCOTT GARDNER, M.D., Associate Clinical Professor of Urology (1945).
B.A. (1935), Utah; M.D. (1939), Cornell.
- WILLIAM M. GARNJOBST, M.D., Clinical Associate in Surgery (1955).
B.A. (1943), Oregon State; M.D. (1945), Oregon.
- KENNETH D. GAVER, M.D., Assistant Clinical Professor of Psychiatry (1957).
B.A. (1946), California; M.D. (1948), Tennessee.
- JOSEPH H. GILL, M.D., Clinical Associate in Orthopedic Surgery (1949).
B.A. (1940), Reed; M.D. (1943), Oregon.
- LEONARD M. GOLDBERG, M.D., Clinical Instructor in Medicine (1959).
B.A. (1951), Reed; M.D. (1955), Oregon.
- MARVIN C. GOLDMAN, M.D., Clinical Associate in Medicine (1958).
Ph.B. (1946), B.S. (1947), M.D. (1950), University of Chicago.
- MORTON J. GOODMAN, M.D., Assistant Clinical Professor of Medicine (1935).
B.A. (1926), M.D. (1929), Oregon.

- ORA K. GOODMAN, B.S., Catalog Librarian (Assistant Professor) (1945).
B.S. (1927), University of Washington.
- SCOTT GOODNIGHT, M.D., Associate Clinical Professor of Pediatrics (1940).
B.A. (1930), Wisconsin; M.D. (1932), Oregon.
- WALTER A. GOSS, M.D., Assistant Clinical Professor of Pediatrics (1946).
B.S. (1933), Oregon State; M.D. (1937), Oregon.
- JARVIS GOULD, M.D., Associate Professor of Medicine; Assistant Medical Director and Assistant Administrator of Hospitals and Clinics (1948).
B.A. (1939), M.D. (1941), Oregon.
- ROBERT B. GREENE, M.D., Clinical Instructor in Obstetrics and Gynecology (1949).
B.A. (1927), M.D. (1931), Oregon.
- ROBERT B. GREENE, JR., M.D., Clinical Instructor in Urology (1959).
B.A. (1948), Reed; M.D. (1952), Oregon.
- MONTE A. GREER, M.D., Associate Professor of Medicine; Head of Division of Endocrinology (1956).
A.B. (1944), M.D. (1947), Stanford.
- RAY V. GREWE, M.D., Clinical Instructor in Neurosurgery (1958).
B.S. (1945), University of Washington; M.D. (1947), Oregon.
- HERBERT E. GRISWOLD, M.D., Professor of Medicine; Head of Division of Cardiovascular Renal Diseases (1949).
B.A. (1939), Reed; M.S., M.D. (1943), Oregon.
- RAYMOND D. GRONDAHL, M.D., Professor of Clinical Pathology; Chairman of Department (1945).
B.S. (1939), Washington State; M.S., M.D. (1944), Oregon.
- LEROY E. GROSHONG, M.D., Clinical Instructor in Surgery (1956).
B.S., M.D. (1949), Nebraska.
- J. GORDON GROUT, M.D., Clinical Instructor in Surgery (1959).
A.B. (1949), Stanford; M.D. (1954), Oregon.
- MYRON R. GROVER, JR., M.D., Assistant Professor of Medicine; Assistant Medical Director of Hospitals and Clinics (1958).
B.A. (1950), Bowdoin; M.D. (1954), Cornell; M.S. (1956), Oregon.
- JOHN M. GUISS, M.D., Clinical Associate in Surgery (1943).
B.A. (1935), M.D. (1939), Oregon.
- DAVID L. GUNBERG, Ph.D., Associate Professor of Anatomy (1955).
B.A. (1949), Redlands; M.A. (1952), Ph.D. (1954), California.
- RUSSELL G. GUSTAVSON, M.D., Clinical Associate in Surgery (1957).
B.A. (1950), M.D. (1952), Nebraska.
- BERTHA B. HALLAM, B.A., Librarian (Professor) (1929).
B.A. (1931), Oregon.
- MARTHA L. HAMILTON, M.D., Assistant Professor of Clinical Pathology (1957).
B.S. (1945), Texas Wesleyan; M.D. (1952), Texas.
- JOHN R. HAND, M.D., Clinical Professor of Urology (1932).
B.S. (1921), B.M. (1923), M.D. (1924), M.S. (1936), Minnesota.
- HANCE F. HANEY, M.D., Professor of Medicine; Chief Department of Medicine Outpatient Professional Services (1936).
B.A. (1926), M.A. (1928), Ph.D. (1934), Wisconsin; M.D. (1934), University of Chicago.
- F. SYDNEY HANSEN, M.D., Clinical Instructor in Public Health and Preventive Medicine (1947).
B.S. (1932), M.D. (1936), Oregon; M.P.H. (1949), California.

- JOHN R. HANSEN, M.D., Clinical Instructor in 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 Orthopedic Surgery (1959).
B.A. (1945), Whitman; M.D. (1949), Oregon.
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B.S., M.D. (1929), Oregon.
- ROBERT L. HARE, M.D., Clinical Instructor in Medicine (1956).
B.S. (1947), M.D. (1949), Illinois; M.S. (1956), Minnesota.
- BERNARD P. HARPOLE, M.D., Clinical Instructor in Surgery (1949).
B.S. (1935), M.D. (1939), St. Louis.
- HOMER H. HARRIS, M.D., Associate Clinical Professor of Clinical Pathology (1951).
B.A. (1942), Reed; M.D. (1945), Oregon.
- JOSEPH T. HART, M.D., Clinical Instructor in Pediatrics (1950).
B.S.M. (1941), M.D. (1942), Creighton.
- WILLIAM L. HARTMANN, M.D., Clinical Instructor in Obstetrics and Gynecology (1954).
B.S. (1935), Harvard; M.D. (1939), Johns Hopkins.
- FREDERICK P. HAUGEN, M.D., Professor of Anesthesiology; Head of Division (1948).
B.A. (1933), M.D. (1935), Oregon.
- GERHARD B. HAUGEN, M.D., Assistant Clinical Professor of Psychiatry (1937).
B.A. (1932), M.D. (1935), Oregon; M.P.H. (1942), Johns Hopkins.
- JAMES B. HAWORTH, M.D., Associate Professor of Radiology (1953).
B.S. (1933), M.D. (1936), Oregon.
- JOHN F. HAYES, M.D., Clinical Instructor in Surgery (1955).
B.A. (1945), Oregon State; M.D. (1947), Oregon.
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B.A. (1940), M.D. (1942), Oregon.
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- EDWARD L. HENDRICKS, M.D., Clinical Instructor in Pediatrics (1955).
B.S. (1946), Oregon State; M.S. (1948), M.D. (1949), Oregon.
- DAVID F. HICKOK, M.D., Instructor in Surgery (1961).
A.B. (1952), Princeton; M.D. (1956), Harvard.
- WILLIAM W. HICKS, JR., M.D., Clinical Instructor in Obstetrics and Gynecology (1958).
M.D. (1953), Jefferson Medical College; B.S. (1954), University of Washington.
- ROBERT B. HIGGINS, M.D., Assistant Clinical Professor of Urology (1960).
A.B. (1941), M.D. (1944), Harvard.
- ALLAN J. HILL, JR., M.D., Professor of Pediatrics (1950).
B.S. (1937), M.B. (1939), M.D. (1940), Minnesota.

- ROBERT V. HILL, M.D., Assistant Clinical Professor of Ophthalmology (1948).
B.S. (1936), Oregon State; M.D. (1939), Oregon.
- VINCENT C. HINCK, M.D., Associate Professor of Radiology (1957).
A.B. (1948), Cornell; M.D. (1953), New York Medical College.
- CLARENCE V. HODGES, M.D., Professor of Urology; Head of Division (1948).
B.S. (1937), Iowa State; M.D. (1940), University of Chicago.
- BLAIR HOLCOMB, M.D., Clinical Professor of Medicine (1922).
M.D. (1919), Rush.
- DONALD H. HOLDEN, M.D., Clinical Instructor in Otolaryngology (1953).
A.B. (1941), Brown; M.D. (1944), Yale.
- CHARLES N. HOLMAN, M.D., Professor of Medicine; Associate Dean of Medical School; Medical Director and Administrator of Hospitals and Clinics (1940).
B.A. (1931), M.D. (1936), Oregon.
- RICHARD J. HOPKINS, M.D., Clinical Associate in Orthopedic Surgery (1950).
B.S. (1943), Idaho; M.D. (1944), Oregon.
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B.A. (1937), M.D. (1941), Oregon.
- IRVING J. HOROWITZ, M.D., Clinical Instructor in Radiology (1959).
B.S. (1946), M.S. (1947), M.D. (1952), Michigan.
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B.S. (1939), A.B., M.D. (1942), Oklahoma.
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B.S. (1923), M.D. (1926), Oregon.
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B.A. (1950), M.A. (1951), M.D. (1955), Kansas.
- JAY C. HOYT, M.D., Clinical Associate in Medicine (1956).
B.S. (1946), B.M. (1947), M.D. (1948), Minnesota.
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B.S. (1937), Minnesota.
- ARTHUR F. HUNTER, M.D., Clinical Associate in Radiology (1946).
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- WARREN C. HUNTER, M.D., Clinical Professor of Pathology (1922).
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- TYRA T. HUTCHENS, M.D., Associate Professor of Clinical Pathology (1953).
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- STANLEY W. JACOB, M.D., Assistant Professor of Surgery (1959).
B.A. (1945), M.D. (1948), Ohio State.
- SHELDON A. JACOBSON, M.D., Associate Clinical Professor of Pathology (1950).
A.B. (1922), College of City of New York; M.D. (1928), Yale.
- DAVID W. JAMES, M.D., Clinical Instructor in Obstetrics and Gynecology (1949).
B.S. (1930), Denison; M.D. (1933), Ohio State; M.S. (1940), Wayne.
- JOHN PAUL JARABAK, D.D.S., Clinical Associate in Dental Medicine (1960).
D.D.S. (1939), Indiana.
- ROBERT B. JOHNSON, M.D., Clinical Instructor in Medicine (1954).
M.D. (1948), Nebraska.
- RODERICK L. JOHNSON, M.D., Clinical Instructor in Surgery (1960).
B.S. (1948), M.D. (1951), University of Washington.
- RUSSELL L. JOHNSRUD, M.D., Assistant Clinical Professor of Surgery (1936).
B.A. (1930), M.D. (1933), Oregon.
- ARTHUR C. JONES, M.D., Clinical Professor of Physical Medicine in Surgery (1929).
B.A. (1921), Pacific University; M.A. (1925), M.D. (1926), Oregon.
- BENJAMIN B. JONES, M.D., Clinical Instructor in Obstetrics and Gynecology (1959).
B.S. (1950), Pittsburgh; M.D. (1953), Temple.
- LESTER T. JONES, M.D., Clinical Professor of Otolaryngology (1924).
B.A. (1918), Pacific University; M.D. (1921), M.A. (1923), Oregon.
- MAXWELL S. JONES, M.D., Clinical Professor of Psychiatry (1960).
M.B.U.D. (1931), M.D. (1937), Edinburgh; M.R.C.P. (1935), Royal College of Physicians and Surgeons, Edinburgh; D.P.M. (1935), London.
- NOBLE WILEY JONES, M.D., Professor Emeritus of Medicine (1910).
M.D. (1901), Rush.
- ORVILLE N. JONES, M.D., Clinical Associate in Orthopedic Surgery (1947).
B.A. (1931), Reed; M.D., C.M. (1937), McGill.
- RICHARD T. JONES, M.D., Assistant Professor of Biochemistry and Experimental Medicine (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.
- HULDRICK KAMMER, M.D., Assistant Clinical Professor of Medicine (1949).
B.A. (1936), Wisconsin; B.M. (1940), M.D. (1941), Northwestern.
- JOHN F. KANE, M.D., Assistant Clinical Professor of Surgery (1960).
M.D. (1943), Marquette.
- JOHN O. KANGAS, Ph.D., Assistant Professor of Medical Psychology (1960).
B.A. (1953), Ph.D. (1958), Minnesota.
- REINHOLD KANZLER, M.D., Clinical Instructor in Surgery (1958).
B.S. (1934), M.S. (1937), M.D. (1938), Oregon.
- JOHN P. KEIZER, M.D., Assistant Clinical Professor of Ophthalmology (1953).
B.A. (1934), M.D. (1937), Oregon.
- DONALD F. KELLY, M.D., Clinical Instructor of Pediatrics (1959).
B.S. (1949), University of Portland; M.D. (1954), Oregon.

- ROBERT W. KENDALL, M.D., Clinical Instructor in Surgery (1960).
B.S. (1949), Colorado College; M.D. (1953), Oregon.
- LENA KENIN, M.D., Assistant Professor of Psychiatry (1960).
B.S. (1921), University of Washington; M.D. (1929), Oregon.
- CALVIN H. KREST, JR., M.D., Clinical Instructor in Orthopedic Surgery (1960).
B.S. (1951), Oregon State; M.D. (1955), Oregon.
- A. GURNEY KIMBERLEY, M.D., Assistant Clinical Professor of Orthopedic Surgery (1937).
B.S. (1929), M.D. (1930), Oregon.
- FREDERICK A. J. KINGERY, M.D., Assistant Clinical Professor of Dermatology (1959).
B.S. (1949), Yale; M.D. (1953), New York University.
- LYLE B. KINGERY, M.D., Clinical Professor of Dermatology (1923).
B.S. (1912), M.D. (1916), Michigan.
- GERALD E. KINZEL, M.D., Clinical Instructor in Obstetrics and Gynecology (1946).
B.A. (1933), M.D. (1936), Oregon.
- EDWARD K. KLOOS, M.D., Clinical Associate in Neurosurgery (1948).
A.B. (1934), Western Reserve; M.D. (1938), Rochester; M.S. (1943), Minnesota.
- ROBERT D. KOLER, M.D., Associate Professor of Medicine (1953).
B.A. (1945), M.D. (1947), Oregon.
- NICHOLAS E. KONTAXIS, Ph.D., Assistant Professor of Biochemistry (1961).
B.A. (1951), California; Ph.D. (1960), Oregon.
- RICHARD H. KOSTERLITZ, M.D., Clinical Associate in Medicine (1958).
B.S., M.D. (1949), Illinois.
- LEWIS J. KRAKAUER, M.D., Clinical Instructor in Medicine (1956).
A.B. (1947), Williams; M.D. (1951), Harvard.
- ALFRED J. KREFT, M.D., Clinical Associate in Ophthalmology (1951).
B.S. (1933), M.D. (1936), Illinois.
- MARION L. KRIPPAEHNE, M.D., Clinical Associate in Medicine (1952).
B.S. (1944), University of Washington; M.D. (1948), Oregon.
- WILLIAM W. KRIPPAEHNE, M.D., Associate Professor of Surgery (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.
- WALTER J. KUHL, JR., M.D., Clinical Associate in Medicine (1960).
B.A. (1944), Whitman; M.D. (1947), Johns Hopkins.
- CLIFFORD KUHN, M.D., Assistant Clinical Professor of Otolaryngology (1940).
B.A. (1928), M.D. (1932), Oregon; M.A. (1943), Pennsylvania.
- MERLE M. KURTZ, M.D., Clinical Instructor in Medicine (1956).
B.A. (1949), College of Idaho; M.D. (1953), Oregon.
- BRUCE N. KVERNLAND, M.D., Clinical Instructor in Neurosurgery (1952).
B.A. (1942), Reed; M.D. (1943), Oregon.
- DANIEL H. LABBY, M.D., Professor of Medicine; Head of Division of Diabetes and Metabolism (1947).
B.A. (1935), Reed; M.D. (1939), Oregon.
- GEORGE H. LAGE, M.D., Clinical Instructor in Obstetrics and Gynecology (1942).
B.A. (1936), Oregon State; M.D. (1939), Oregon.
- WILLIAM M. LAIDLAW, M.D., Clinical Instructor in Medicine (1959).
B.A. (1950), Willamette; M.D. (1955), Oregon.

- DONALD R. LAIRD, M.D., Assistant Clinical Professor of Surgery (1939).
A.B. (1928), Grinnell; M.S. (1933), M.D. (1934), Rush; M.S. (1938), Minnesota.
- EUGENE W. LANDRETH, M.D., Assistant Clinical Professor of Clinical Pathology (1957).
B.S. (1946), M.D. (1948), Oregon.
- LAURENCE R. LANGSTON, M.D., Clinical Associate in Orthopedic Surgery (1956).
B.A. (1947), M.D. (1951), Oregon.
- JOHN A. LARRABEE, M.D., Assistant Clinical Professor of Pediatrics (1948).
B.A. (1938), Nebraska; M.D. (1942), University of Chicago.
- JOHN F. LARSELL, M.D., Clinical Associate in Urology (1949).
B.A. (1939), Oregon State; M.D. (1943), Oregon.
- L. WILLIAM LARSON, M.D., Clinical Instructor in Medicine (1959).
B.S. (1949), M.D. (1951), Minnesota.
- WILBUR L. E. LARSON, M.D., Clinical Associate in Medicine (1950).
B.A. (1941), M.D. (1945), Oregon.
- GERALD J. LATTIG, M.D., Assistant Professor of Clinical Pathology (1958).
B.S. (1944), Idaho; M.D. (1949), Oregon.
- G. PRENTISS LEE, M.D., Clinical Instructor in Surgery (1952).
B.A. (1939), Reed; M.D. (1943), Oregon.
- J. ROBERT LEE, M.D., Associate Clinical Professor of Radiology (1955).
B.A. (1944), Willamette; M.D. (1946), Oregon.
- THEODORE H. LEHMAN, M.D., Clinical Associate in Urology (1958).
B.A. (1948), M.A. (1949), M.D. (1953), Nebraska.
- EUGENE A. LENTINI, Ph.D., Instructor in Physiology (1958).
B.A. (1951), M.A. (1955), Ph.D. (1958), Boston University.
- RICHARD L. LESSEL, Instructor in Public Health and Preventive Medicine (1960).
B.S. (1957), University of Washington; M.P.H. (1959), North Carolina.
- HOWARD P. LEWIS, M.D., Professor of Medicine; Chairman of Department (1932).
B.S. (1924), Oregon State; M.D. (1930), Oregon.
- HEROLD S. LILLYWHITE, Ph.D., Associate Professor of Speech Pathology (1957).
B.S. (1932), Utah State Agriculture; M.A. (1939), Minnesota; Ph.D. (1943), New York University.
- AARNE J. LINDGREN, M.D., Clinical Associate in Medicine (1948).
B.S. (1936), M.S., M.D. (1942), Oregon.
- VERNER V. LINDGREN, M.D., Clinical Instructor in Surgery (1950).
B.A. (1942), Gustavus Adolphus; B.S. (1944), B.M. (1945), M.D. (1946), Minnesota.
- RICHARD H. LINDQUIST, M.D., Clinical Instructor in Surgery (1958).
B.S. (1946), South Dakota; M.D. (1947), Louisville.
- LOUIS LINO, Ph.D., Associate in Neurology (1958).
Ph.D. (1935), Faculty of Natural Sciences, Pisa, Italy.
- CHARLES E. LITTLEHALES, M.D., Clinical Associate in Medicine (1939).
B.A. (1932), M.D. (1935), Oregon.
- JAMES H. LYUM, M.D., Associate Clinical Professor of Clinical Pathology (1953).
B.S. (1944), M.D. (1946), Oregon.
- KENNETH E. LIVINGSTON, M.D., Clinical Associate in Neurosurgery (1948).
B.A. (1936), Stanford; M.D. (1939), Harvard.
- WILLIAM K. LIVINGSTON, M.D., Professor Emeritus of Surgery (1925).
B.A. (1913), M.A. (1917), Oregon; M.D. (1920), Harvard.

- ERNEST T. LIVINGSTONE, M.D., Assistant Clinical Professor of Medicine (1955).
B.A. (1949), Reed; M.S., M.D. (1951), Oregon.
- RAY S. LOBB, M.D., Clinical Instructor in Medicine (1954).
B.A. (1943), University of Washington; M.D. (1950), Louisville.
- WALTER C. LOBITZ, JR., M.D., Professor of Dermatology; Head of Division (1959).
B.S. (1939), B.M. (1940), M.D. (1941), Cincinnati.
- LENIER ARTHUR LODMELL, M.D., Clinical Associate in Medicine (1946).
B.S. (1931), North Dakota; B.M. (1933), M.D. (1934), Northwestern.
- GEORGE B. LONG, M.D., Associate Clinical Professor of Medicine; Senior Consultant in Gastroenterology (1943).
B.A. (1934), Montana State University; M.D. (1939), Northwestern.
- JOHN WAYNE LOOMIS, M.D., Assistant Clinical Professor of Radiology (1951).
B.A. (1940), Reed; M.D. (1943), Oregon.
- ERNEST J. LOSLI, M.D., Clinical Associate in Pathology (1952).
B.A. (1925), M.D. (1928), Oregon.
- LAWRENCE M. LOWELL, M.D., Assistant Clinical Professor of Surgery (1950).
B.S. (1933), Washington State; M.D. (1936), Oregon.
- LEO S. LUCAS, M.D., Clinical Professor of Orthopedic Surgery; Senior Consultant (1924).
B.A. (1919), Pacific University; M.D. (1923), Oregon.
- GEORGE P. LYMAN, M.D., Clinical Associate in Ophthalmology (1954).
B.A. (1926), Pomona; M.D. (1931), Yale.
- RICHARD B. LYONS, M.D., Instructor in Anatomy (1961).
B.S. (1957), M.S. (1960), M.D. (1960), Oregon.
- J. OPPIE McCALL, JR., M.D., Clinical Instructor in Obstetrics and Gynecology (1950).
B.A. (1938), Hamilton; M.D. (1942), New York University.
- FRANK E. McCASLIN, JR., M.D., Clinical Instructor in Orthopedic Surgery (1959).
B.A. (1949), Stanford; M.D. (1953), Oregon; M.S. (1959), Minnesota.
- ELTON L. McCAWLEY, Ph.D., Professor of Pharmacology (1949).
A.B. (1938), M.S. (1939), Ph.D. (1942), California.
- COLIN W. McCORD, M.D., Clinical Instructor in Surgery (1961).
B.A. (1949), Williams; M.D. (1953), Columbia.
- GUY R. McCUTCHAN, M.D., Clinical Associate in Medicine (1939).
B.S. (1929), Grand Island; M.D. (1931), Nebraska.
- LOLITA B. McELVENY, Assistant Circulation Librarian (Instructor) (1954).
- DONALD P. McGREEVEY, M.D., Clinical Instructor in Medicine (1955).
B.S. (1954), Carroll; M.D. (1951), Loyola.
- DONALD MCKINLEY, M.D., Clinical Instructor in Psychiatry (1958).
B.A. (1940), Reed; M.D. (1942), Oregon.
- MATTHEW MCKIRDIE, M.D., Associate Clinical Professor of Surgery (1940).
B.S. (1929), University of Chicago; M.D. (1934), Rush.
- DUNCAN A. McLAUCHLAN, M.D., Clinical Instructor in Psychiatry (1957).
B.S. (1941), University of Washington; M.D. (1944), Oregon.
- EDWARD N. McLEAN, M.D., Clinical Associate in Ophthalmology (1957).
M.D. (1948), Long Island.
- RAYMOND A. McMAHON, M.D., Clinical Associate in Medicine (1938).
B.A. (1932), Ripon; M.D. (1937), Wisconsin.

- LAURENCE K. MACDANIELS, M.D., Clinical Associate in Medicine (1949).
B.A. (1937), Reed; M.D. (1941), Oregon.
- CURTIS A. MACFARLANE, M.D., Clinical Instructor in Urology (1958).
B.A. (1949), M.D. (1951), Wisconsin.
- DAVID W. MACFARLANE, M.D., Clinical Instructor in Pediatrics (1956).
B.S. (1948), M.S., M.D., (1951), Illinois.
- STEPHEN W. MAKS, M.D., Clinical Instructor in Medicine (1959).
B.S. (1950), University of Portland; M.D. (1953), Creighton.
- ROBERT W. MARCUM, M.D., Clinical Associate in Surgery (1951).
B.S. (1934), Pacific University; M.D. (1940), Oregon.
- MERL L. MARGASON, M.D., Clinical Professor of Medicine; Senior Consultant in Neurology (1926).
A.B. (1920), M.D. (1923), Oregon.
- F. KEITH MARKEE, M.D., Clinical Instructor in Obstetrics and Gynecology (1952).
B.A. (1944), Willamette; M.D. (1946), Oregon.
- R. KENT MARKEE, M.D., Clinical Instructor in Surgery (1953).
B.A. (1944), Willamette; M.D. (1946), Oregon.
- RICHARD E. MARKLEY, M.D., Clinical Instructor in Ophthalmology (1953).
B.A. (1938), Denver; M.D. (1942), Colorado.
- ALFRED N. MARSHALL, M.D., Clinical Instructor in Obstetrics and Gynecology (1957).
B.S. (1932), University of Washington; M.D. (1937), Oregon.
- HARRY W. MASENHIMER, JR., M.D., Clinical Instructor in Medicine (1960).
B.A. (1949), Princeton; M.D. (1953), Johns Hopkins.
- HOWARD S. MASON, Ph.D., Associate Professor of Biochemistry (1952).
B.S. (1935), M.S. (1936), Ph.D. (1939), Massachusetts Institute of Technology.
- JAMES A. MASON, M.D., Clinical Associate in Orthopedic Surgery (1948).
B.S. (1930), M.D. (1932), Nebraska.
- ROBERT E. MASS, M.D., Assistant Professor of Medicine (1957).
B.A. (1948), M.D. (1951), Oregon.
- JOHN CLIFFTON MASSAR, M.D., Assistant Clinical Professor of Dermatology (1955).
B.S. (1945), University of Washington; M.D. (1948), Oregon.
- 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., Assistant 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.
- ROY R. MATTERI, M.D., Assistant Clinical Professor of Medicine (1946).
B.S. (1940), M.D. (1942), Creighton.
- GORDON L. MAURICE, M.D., Clinical Associate in Medicine (1949).
B.S. (1940), Washington State; M.D. (1943), Oregon.
- JOHN ARTHUR MAY, M.D., Assistant Clinical Professor of Pediatrics (1948).
B.A. (1939), University of Washington; M.D. (1943), Oregon.
- THOMAS L. MEADOR, M.D., Clinical Instructor in 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., Clinical Associate in Medicine (1956).
B.S. (1946), M.D. (1948), Creighton.
- ROBERT J. MEECHAN, M.D., Assistant Professor of Pediatrics (1956).
B.A. (1951), Oregon State; M.S., M.D. (1953), Oregon.
- EDWARD COLTON MEEK, JR., M.D., Associate Clinical Professor of Pathology (1953).
B.S. (1941), Oregon State; M.D. (1944), Johns Hopkins.
- VICTOR D. MENASHE, M.D., Assistant Professor of Pediatrics (1958).
B.S. (1951), M.D. (1953), Oregon.
- FRANK R. MENNE, M.D., Professor Emeritus of Pathology (1916).
B.S. (1913), Wisconsin; M.D. (1915), Rush.
- RUTH L. MERCER, Clinical Instructor in Dietetics (1958).
B.A. (1941), Kansas; M.A. (1948), Columbia.
- ROLAND C. MERRIFIELD, M.D., Clinical Instructor in Orthopedic Surgery (1955).
B.A. (1942), M.D. (1945), Oregon.
- JAMES METCALFE, M.D., Associate Professor of Medicine (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., Assistant Professor of Bacteriology (1958).
A.B. (1949), California; M.S. (1953), Purdue; Sc.D. (1958), Johns Hopkins.
- ROBERT D. MICHEL, M.D., Instructor in Medicine (1958).
B.S. (1937), Northwestern; M.D. (1954), Oregon.
- DAVID B. MILLER JR., M. D., Clinical Instructor in Surgery (1959).
B.A. (1949), Dartmouth; M.D. (1953), New York University.
- JACK B. MILLER, M.D., Clinical Instructor in Otolaryngology (1949).
A.B. (1939), M.D. (1943), Indiana.
- ROBERT S. MILLER, M.D., Clinical Instructor in Radiology (1960).
B.A. (1951), Wilamette; M.D. (1955), Oregon.
- JOSEPH C. MITCHELL, M.D., Clinical Instructor in Obstetrics and Gynecology (1958).
B.A. (1951), M.D. (1952), Oregon.
- YUSHO MIURA, M.D., Visiting Research Professor of Dermatology (1960).
M.D. (1944), D.M.Sc. (1949), Hokkaido University Medical School, Sapporo, Japan.
- THOMAS R. MONTGOMERY, M.D., Associate Clinical Professor of Urology (1939).
B.A. (1928), M.D. (1932), Oregon.
- DAVID W. MOORE, M.D., Clinical Instructor in Obstetrics and Gynecology (1953).
M.D. (1947), Western Reserve.
- MERLE W. MOORE, M.D., Associate Professor Emeritus of Medicine (1928).
B.S. (1920), Oregon; M.D. (1924), Jefferson.
- RAYMOND E. MOORE, M.D., Clinical Instructor in Physical Medicine (1958).
B.A. (1951), Reed; M.D. (1953), Oregon.
- ROBERT J. MOORE, M.D., Clinical Instructor in Urology (1960).
B.A. (1951); M.D. (1955), Oregon.
- JOSEPH I. MORELAND, M.D., Clinical Associate in Ophthalmology (1951).
B.S. (1940), M.D. (1941), Washington University.
- JAMES F. MORRIS, M.D., Assistant Professor of Medicine (1957).
A.B. (1943), Ohio Wesleyan; M.D. (1948), Rochester.

- THOMAS E. MORRIS, JR., Clinical Instructor in Medicine (1960).
B.A. (1938), Pacific University; M.D. (1952), Oregon.
- CARL V. MORRISON, M.D., Assistant Clinical Professor of Psychiatry (1947).
M.D. (1933), Iowa.
- JAN J. MULLER, D.D.S., Clinical Associate in Dental Medicine (1959).
H.B.S. (1935), Drafne Lyceum (Bussum, Holland); D.D.S. (1939), Minnesota.
- JOHN J. MURPHY, M.D., Clinical Associate in Medicine (1948).
B.A. (1938), Carroll College; M.D. (1942), Michigan.
- PAUL B. MYERS, M.D., Clinical Associate in Otolaryngology (1950).
B.A. (1944), Oregon State; M.D. (1946), Oregon.
- JOSEPH V. 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 Instructor in Pediatrics (1954).
B.S. (1945), M.D. (1948), Oregon.
- DUNCAN R. NELSON, M.D., Assistant Clinical Professor of Obstetrics and Gynecology (1946).
A.B. (1934), Pacific University; M.D. (1938), Oregon.
- GUNNAR E. C. NELSON, M.D., Associate Clinical Professor of Obstetrics and Gynecology (1937).
Ph.G. (1923), B.S. (1925), Washington State; M.D. (1933), Oregon.
- HARRY NEWMAN, M.D., Clinical Instructor in Radiology (1959).
B.S. (1952), University of Portland; M.D. (1954), Oregon.
- GREGORY B. NICHOLS, M.D., Clinical Instructor in Radiology (1950).
M.D. (1943), Creighton.
- H. MINOR NICHOLS, M.D., Clinical Instructor in Surgery (1940).
Ph.B. (1930), Yale; M.D. (1934), Oregon; M.S. (1937), Pennsylvania.
- NICHOLAS NICOLAIDES, Ph.D., Assistant Professor of Biochemistry (1960).
B.S. (1939), M.S. (1940), Case Institute of Technology; Ph.D. (1959), University of Chicago.
- NELSON R. NILES, M.D., Associate Professor of Pathology (1952).
M.D. (1947), Cornell.
- OLIVER M. NISBET, M.D., Associate Clinical Professor of Surgery (1926).
B.S. (1915), Idaho; M.D. (1919), Rush.
- LAWRENCE NOALL, M.D., Associate Clinical Professor of Orthopedic Surgery (1941).
B.A. (1931), B.M. (1934), Utah; M.D. (1936), Northwestern.
- JOSEPH E. NOHLGREN, M.D., Assistant Clinical Professor of Pathology (1949).
B.S. (1935), South Dakota State; M.D. (1943), Oregon.
- HAROLD J. NOYES, D.D.S., M.D., Clinical Professor of Dental Medicine; Head of Division (1946).
Ph.B. (1923), M.D. (1933), University of Chicago; B.S. (1928), D.D.S. (1928), Illinois.
- JAMES E. ODELL, M.D., Assistant Professor of Pathology (1956).
B.A. (1944), M.D. (1947), Iowa.
- EVELYN L. OGINSKY, Ph.D., Associate Professor of Bacteriology (1957).
B.A. (1938), Cornell; M.S. (1939), University of Chicago; Ph.D. (1946), Maryland.
- JOHN D. O'HOLLAREN, M.D., Clinical Instructor in Medicine (1959).
B.S. (1945), M.D. (1947), Oregon.
- DONALD E. OLSON, M.D., Assistant Clinical Professor of Medicine (1955).
B.A. (1943), Reed; M.S., M.D. (1947), Ph.D. (1948), Oregon.

- WILLIAM W. ORNDUFF, M.D., Instructor in Pediatrics (1959).
B.S. (1933), University of Washington; M.D. (1937), Oregon.
- SAMUEL OSBORN, M.D., Clinical Instructor in Orthopedic Surgery (1958).
B.S. (1942), Michigan State; M.D. (1945), Michigan.
- EDWIN E. OSGOOD, M.D., Professor of Medicine; Head of Division of Experimental Medicine and Division of Hematology (1922).
B.A. (1923), M.A., M.D. (1924), Oregon.
- SAMUEL B. OSGOOD, M.D., Clinical Instructor in Public Health and Preventive Medicine (1951).
B.S. (1931), M.D. (1935), Oregon; M.S.P.H. (1939), California.
- EVAN L. OTTO, M.D., Clinical Instructor in Orthopedic Surgery (1961).
B.S. (1949), North Dakota; M.D. (1951), Northwestern.
- ARTHUR L. OVREGAARD, M.D., Clinical Instructor in Radiology (1954).
B.A. (1944), College of Idaho; M.D. (1948), Oregon.
- ALBERT A. OYAMA, M.D., Clinical Associate in Pathology (1959).
B.S. (1951), M.D. (1953), Oregon.
- ABE OYAMADA, M.D., Associate Professor of Pathology (1954).
B.A. (1942), Reed; M.D. (1947), Oregon.
- OTTO C. PAGE, M.D., Clinical Associate in Medicine (1952).
B.S. (1941), M.D. (1944), Boston University.
- JOSEPH F. PAQUET, M.D., Clinical Associate in Medicine (1944).
M.D. (1940), Duke.
- ALLEN H. PARKER, M.D., Clinical Instructor in Medical Psychology (1958).
B.S. (1953), Oregon State; M.S. (1951), Ph.D. (1954), University of Portland.
- C. RUSSELL PARKER, M.D., Clinical Instructor in Psychiatry (1957).
B.A. (1942), Reed; M.D. (1945), Cornell.
- MAX H. PARROTT, M.D., Clinical Instructor in Obstetrics and Gynecology (1949).
B.S. (1938), Oregon State; M.D. (1940), Oregon; M.S. (1949), Michigan.
- JOHN W. PARTRIDGE, M.D., Clinical Associate in Medicine (1957).
B.S. (1943), M.D. (1945), University of Chicago.
- 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., Clinical Instructor in Urology (1953).
B.A. (1942), Antioch; M.D. (1945), Western Reserve.
- DUANE R. PAULSON, D.D.S., Clinical Instructor in Dental Medicine (1957).
B.S. (1949), Puget Sound; D.D.S. (1954), Northwestern.
- HAROLD D. PAXTON, M.D., Clinical Instructor in Neurosurgery (1956).
M.D. (1948), Johns Hopkins.
- ROY A. PAYNE, M.D., Clinical Instructor in Medicine (1960).
B.S. (1953), University of Portland; M.D. (1955), Oregon.
- ANTHONY A. PEARSON, Ph.D., Professor of Anatomy; Chairman of Department (1946).
B.S. (1928), Furman; M.A. (1930), Ph.D. (1933), Michigan.
- ANNE M. PERLEY, M.A., Assistant Professor of Biochemistry (1951).
B.A. (1927), Grinnell; M.A. (1929), Nebraska.
- FRANK PERLMAN, M.D., Assistant Clinical Professor of Medicine; Head of Division of Allergy (1935).
B.S. (1931), M.D. (1933), Wisconsin.
- CLARE G. PETERSON, M.D., Professor of Surgery (1944).
B.A. (1939), M.D. (1943), M.S. (1945), Oregon.

- EDWARD N. PETERSON, M.D., Instructor in Obstetrics and Gynecology (1961).
B.S. (1952), M.D. (1954), Minnesota.
- HEYES PETERSON, M.D., Clinical Associate in Medicine (1947).
B.S. (1934), University of Washington; M.D. (1938), University of Chicago.
- RUTH D. PETERSON, Ph.D., Associate Professor of Biochemistry (1953).
B.S. (1926), Washington State; M.S. (1948), Ph.D. (1950), Oregon.
- ALEXANDER E. PETROFF, M.D., Clinical Instructor in Otolaryngology (1960).
B.S. (1949), Pacific University; M.S., M.D. (1955), Oregon.
- CARL A. PETERSON, M.D., Clinical Instructor in Medicine (1957).
B.A. (1938), M.D. (1942), Kansas.
- JEANNE S. PHILLIPS, Ph.D., Assistant Professor of Medical Psychology (1957).
A.B. (1951), Ph.D. (1957), Washington University.
- DONALD E. PICKERING, M.D., Professor of Pediatrics; Acting Chairman of Department (1956).
A.B. (1945), Whitman; M.A. (1948), M.D. (1949), California.
- NIGEL A. PICKERING, M.D., Clinical Instructor in Clinical Pathology (1961).
M.D. (1945), Manitoba.
- WAYNE M. PIDGEON, M.D., Clinical Instructor in Psychiatry (1959).
M.S. (1947), M.D. (1951), Oregon.
- CHARLES T. PINNEY, M.D., Clinical Instructor in Medicine (1959).
A.B. (1943), M.D. (1946), Michigan.
- BERNARD PIROFSKY, M.D., Assistant Professor of Medicine (1956).
A.B. (1946), M.D. (1950), New York University.
- DONALD M. PITCAIRN, M.D., Associate Professor of Medicine; Head of Division of Chest Diseases (1949).
B.A. (1944), Harvard; M.D. (1945), Oregon.
- ROBERT G. PITTINGER, M.D., Clinical Instructor in Medicine (1957).
B.S. (1948), M.D. (1950), Oregon.
- CAROLINE H. POMMARANE, B.S., Registrar (Assistant Professor) (1943).
B.S. (1928), Nebraska.
- JOHN KARL POPPE, M.D., Clinical Associate in Surgery (1946).
A.B. (1933), Hamilton; M.D. (1937), Rochester.
- DONALD R. PORTER, D.D.S., Clinical Associate in Dental Medicine (1953).
D.D.S. (1951), M.S. (1953), Michigan.
- IRVING PUZISS, M.D., Clinical Instructor in Surgery (1956).
B.S. (1946), M.D. (1948), Oregon.
- JOHN RAAF, M.D., Clinical Professor of Neurosurgery; Senior Consultant in Neurosurgery (1937).
M.D. (1930), Stanford.
- JAMES RICHARD RAINES, M.D., Assistant Clinical Professor of Radiology (1947).
B.A. (1933), M.D. (1935), Oklahoma.
- ALFRED J. RAMPONE, Ph.D., Assistant Professor of Physiology (1955).
B.A. (1947), M.A. (1950), British Columbia; Ph.D. (1954), Northwestern.
- JAMES DE WITT RANKIN, B.S., Instructor in Cytotechnology (1959).
B.S. (1951), University of Portland.
- ROBERT M. RANKIN, M.D., Clinical Instructor in Orthopedic Surgery (1954).
B.A. (1944), Reed; M.D. (1946), Oregon.
- JESSE L. RAY, M.D., Clinical Instructor in Obstetrics and Gynecology (1953).
B.A. (1935), M.D. (1939), Stanford.

- LEON F. RAY, M.D., Associate Professor of Dermatology (1939).
Ph.C. (1930), North Pacific College of Pharmacy; B.S. (1931), Oregon State; M.D. (1935), Oregon.
- RALPH B. REAUME, M.D., Clinical Instructor in Medicine (1959).
M.D. (1953), Washington University.
- EDGAR M. RECTOR, M.D., Assistant Clinical Professor of Pediatrics (1946).
S.B. (1937), Haverford; M.D. (1941), Harvard.
- SHERMAN E. REES, M.D., Clinical Associate in Radiology (1929).
M.D. (1925), Oregon.
- MELVIN M. REEVES, M.D., Clinical Instructor in Surgery (1957).
B.S. (1943), Hamline; B.M. (1946), M.D. (1947), M.S. (1957), Minnesota.
- PHILIP J. REILLY, M.D., Clinical Instructor in Neurology (1959).
B.S. (1949), St. Thomas; M.D. (1953), Marquette.
- WALTER C. REINER, M.D., Clinical Instructor in Surgery (1948).
B.S. (1930), Montana State University; M.D. (1934), College of Medical Evangelists.
- OREN R. RICHARDS, JR., M.D., Clinical Instructor in Medicine (1951).
B.A. (1945), Reed; M.D. (1947), Oregon.
- NORMAN H. RICKLES, D.D.S., Clinical Associate in Pathology and Dental Medicine (1957).
D.D.S. (1947), Washington University; M.S. (1951), California.
- MATTHEW C. RIDDLE, M. D., Associate Clinical Professor of Medicine (1930).
B.A. (1917), Reed; M.A. (1922), Oregon; M.D. (1926), Harvard.
- DEMETRIOS A. RIGAS, Ph.D., Associate Professor of Biochemistry and Experimental Medicine (1953).
Ch.E. (1941), Ph.D. (1943), National University of Engineering Science (Athens, Greece).
- JAMES A. RILEY, M.D., Clinical Instructor in Medicine (1949).
B.A. (1941), Oregon State; M.D. (1943), Oregon.
- ROBERT E. RINEHART, M.D., Clinical Associate in Medicine (1953).
B.S. (1937), Oregon State; M.S., M.D. (1942), Oregon.
- EDWARD E. RIPPEY, M.D., Clinical Instructor in Surgery (1953).
B.A. (1920), Walla Walla; M.D. (1924), College of Medical Evangelists.
- LEONARD W. RITZMANN, M.D., Associate Professor of Medicine (1954).
B.A. (1942), Valparaiso; M.D. (1945), Washington University.
- JOSEPH M. ROBERTS, M.D., Clinical Associate in Surgery (1936).
B.A. (1929), M.D. (1932), Oregon.
- GEORGE M. ROBINS, M.D., Clinical Associate in Medicine (1948).
B.A. (1936), Columbia; M.D. (1940), Louisville.
- EDWIN G. ROBINSON, M.D., Clinical Instructor in Orthopedic Surgery (1950).
M.D. (1930), Northwestern.
- EUGENE W. ROCKEY, M.D., Professor Emeritus of Surgery (1915).
B.A. (1908), Stanford; M.D. (1912), Harvard.
- ALLAN L. ROGERS, B.A., Director of Animal Care Program (Assistant Professor) (1961).
B.A. (1944), Connecticut.
- WAYNE R. ROGERS, M.D., Clinical Instructor in Medicine (1956).
M.D. (1947), Tennessee.
- BEATRICE K. ROSE, M.D., Clinical Instructor in Medicine (1960).
B.A. (1943), M.D. (1946), George Washington.
- LEONARD B. ROSE, M.D., Assistant Clinical Professor of Medicine (1956).
A.B. (1939), New York University; M.D. (1943), Georgetown.

- EDWARD E. ROSENBAUM, M.D., Assistant Clinical Professor of Medicine (1948).
B.S. (1936), M.D. (1938), Nebraska; M.S. (1947), Minnesota.
- MILLARD S. ROSENBLATT, M.D., Associate Clinical Professor of Surgery (1930).
A.B. (1922), Stanford; M.D. (1925), Harvard.
- JAMES W. ROSENFELD, M.D., Professor Emeritus of Pediatrics (1912).
M.D. (1910), Johns Hopkins.
- BENJAMIN B. ROSS, Ph.D., Associate Professor of Physiology (1954).
B.S. (1949), Union; Ph.D. (1954), Rochester.
- JOHN CLARENCE ROTH, M.D., Assistant Professor of Anesthesiology (1957).
B.A. (1949), Willamette; M.D. (1954), Oregon.
- JOHN GORDON ROTH, M.D., Instructor in Neurosurgery (1958).
A.B. (1947), Municipal University of Wichita; M.D. (1950), Kansas.
- PETER P. ROWELL, M.D., Clinical Instructor in Ophthalmology (1959).
B.S. (1947), Idaho; M.D. (1952), Washington University.
- WILLARD D. ROWLAND, M.D., Clinical Instructor in Surgery (1947).
A.B. (1936), M.D. (1940), Washington University.
- HOMER P. RUSH, M.D., Clinical Professor of Medicine; Senior Consultant in Cardiology (1921).
M.D. (1921), Oregon.
- ARNOLD RUSTIN, M.D., Clinical Instructor in Urology (1954).
M.D. (1950), Iowa.
- BERNARD F. RYAN, M.D., Clinical Instructor in Dermatology (1960).
B.A. (1934), M.D. (1936), Oregon; M.S. (1945), Minnesota.
- EDWARD W. ST. PIERRE, M.D., Associate Clinical Professor of Surgery (1933).
M.D. (1921), Rush.
- GEORGE SASLOW, M.D., Professor of Psychiatry; Chairman of Department (1957).
Sc.B. (1926), Ph.D. (1931), New York University; M.D. (1940), Harvard.
- HARRY L. SASLOW, Ph.D., Instructor in Medical Psychology (1959).
B.S. (1950), Alberta; M.S. (1954), Oregon; Ph.D. (1959), Pittsburgh.
- GEORGE R. SATTERWHITE, M.D., Clinical Instructor in Radiology (1959).
B.S. (1950), Seattle; M.D. (1953), St. Louis.
- GEORGE C. SAUNDERS, M.D., Clinical Associate in Otolaryngology (1933).
B.S. (1923), Virginia; M.D. (1927), Washington University.
- THOMAS L. 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, B.D.S., Clinical Instructor in Dental Medicine (1950).
B.D.S. (1946), De Montmorency College of Dentistry (Lahne, India); L.D.S., R.C.S. (1947), Royal Dental Hospital (London, England); M.S. (1950), Illinois.
- PAUL E. SCHAFF, M.D., Clinical Instructor in Anesthesiology (1959).
B.S. (1942), Idaho; M.D. (1951), Oregon.
- GOODRICH C. SCHAUFFLER, M.D., Associate Clinical Professor of Obstetrics and Gynecology (1925).
A.B. (1918), Williams; M.D. (1923), Harvard.
- QUINTEN SCHERMAN, M.D., Clinical Instructor in Obstetrics and Gynecology (1953).
B.A. (1942), M.A. (1943), South Dakota; M.D. (1945), Oregon.
- ELIZABETH H. SCHIRMER, M.D., Clinical Instructor in Obstetrics and Gynecology (1961).
B.S. (1927), M.D. (1927), Illinois.
- GEORGE J. SCHUNK, M.D., Clinical Instructor in Pediatrics (1954).
A.B. (1943), Jamestown; B.S. (1944), North Dakota; M.D. (1946), Illinois.

- MARVIN SCHWARTZ, M.D., Assistant Clinical Professor of Medicine (1945).
A.B. (1935), M.D. (1939), M.S. (1945), Wayne.
- GERALD W. SCHWIEBINGER, M.D., Clinical Instructor in Urology (1955).
B.S. (1946), M.D. (1948), Wisconsin.
- WILLIAM C. SCOTT, M.D., Clinical Associate in Medicine (1946).
B.S. (1935), College of Idaho; B.M. (1939), M.D. (1940), Northwestern.
- ARTHUR J. SEAMAN, M.D., Associate Professor of Medicine (1948).
B.A. (1939), M.D. (1942), Cincinnati.
- HARRY J. SEARS, Ph.D., Professor Emeritus of Bacteriology (1918).
A.B. (1911), A.M. (1912), Ph.D. (1916), Stanford.
- LAURENCE SELLING, M.D., Professor Emeritus of Medicine (1912).
B.A. (1904), Yale; M.D. (1908), Johns Hopkins.
- PHILIP SELLING, M.D., Associate Clinical Professor of Medicine (1946).
B.A. (1935), Reed; M.D. (1939), Oregon.
- HERBERT J. SEMLER, M.D., Clinical Instructor in Medicine (1960).
B.S. (1949), University of Washington; M.S., M.D. (1953), Oregon.
- WILL L. SENDERS, M.D., Clinical Instructor in Medicine (1957).
B.S. (1947), Willamette; M.D. (1950), Oregon.
- DAVID L. SESSIONS, M.D., Instructor in Pediatrics (1961).
A.B. (1954), Princeton; M.D. (1958), Washington University.
- RALPH E. SHAMBAUGH, M.D., Clinical Instructor in Medicine (1960).
M.D. (1948), Nebraska.
- JAMES C. SHANKLIN, M.D., Assistant Clinical Professor of Psychiatry (1952).
M.D. (1939), Indiana.
- JOHN M. SHAW, M.D., Clinical Instructor in Dermatology (1959).
M.D. (1949), Michigan.
- WILLIAM H. SHELDON, M.D., Clinical Professor of Medicine (1951).
B.A. (1919), Brown; M.A. (1923), Colorado; Ph.D. (1925), M.D. (1933), University of Chicago.
- PAUL E. SHICK, JR., M.D., Assistant Clinical Professor of Pediatrics (1951).
B.A. (1945), Texas Technological; M.D. (1946), Tulane.
- FRED C. SHIPPS, M.D., Assistant Clinical Professor of Radiology (1954).
A.B. (1942), Ohio Wesleyan; M.D. (1945), Western Reserve.
- NATHAN SHLIM, M.D., Clinical Instructor in Surgery (1956).
B.A. (1937), Wisconsin; M.D. (1941), Rush.
- FAULKNER A. SHORT, M.D., Clinical Associate in Orthopedic Surgery (1945).
B.A. (1932), M.D. (1936), Oregon.
- FRANK SHUBECK, M.D., Assistant Professor of Obstetrics and Gynecology (1958).
B.S. (1949), M.D. (1953), Michigan.
- BENJAMIN V. SIEGEL, M.D., Professor of Pathology (1961).
B.S. (1934), Georgia; M.A. (1937), Columbia; Ph.D. (1950), Stanford.
- MAX SIMONS, M.D., Clinical Instructor in Otolaryngology (1930).
M.D. (1924), Oregon.
- RICHARD L. SLEETER, M.D., Professor of Pediatrics (1953).
B.A. (1940), Oregon; M.D. (1943), Washington University.
- DONALD B. SLOCUM, M.D., Clinical Associate in Orthopedic Surgery (1956).
B.S. (1932), Stanford; M.D. (1935), Oregon; M.S. (1939), Tennessee.
- IRIS JOYCE SMALL, M.D., Assistant Professor of Psychiatry (1960).
B.A. (1951), Saskatchewan; M.D. (1956), Manitoba; M.S. (1959), Michigan.

- THOMAS E. MORRIS, JR., Clinical Instructor in Medicine (1960).
B.A. (1938), Pacific University; M.D. (1952), Oregon.
- CARL V. MORRISON, M.D., Assistant Clinical Professor of Psychiatry (1947).
M.D. (1933), Iowa.
- JAN J. MULLER, D.D.S., Clinical Associate in Dental Medicine (1959).
H.B.S. (1935), Drafne Lyceum (Bussum, Holland); D.D.S. (1939), Minnesota.
- JOHN J. MURPHY, M.D., Clinical Associate in Medicine (1948).
B.A. (1938), Carroll College; M.D. (1942), Michigan.
- PAUL B. MYERS, M.D., Clinical Associate in Otolaryngology (1950).
B.A. (1944), Oregon State; M.D. (1946), Oregon.
- JOSEPH V. 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 Instructor in Pediatrics (1954).
B.S. (1945), M.D. (1948), Oregon.
- DUNCAN R. NELSON, M.D., Assistant Clinical Professor of Obstetrics and Gynecology (1946).
A.B. (1934), Pacific University; M.D. (1938), Oregon.
- GUNNAR E. C. NELSON, M.D., Associate Clinical Professor of Obstetrics and Gynecology (1937).
Ph.G. (1923), B.S. (1925), Washington State; M.D. (1933), Oregon.
- HARRY NEWMAN, M.D., Clinical Instructor in Radiology (1959).
B.S. (1952), University of Portland; M.D. (1954), Oregon.
- GREGORY B. NICHOLS, M.D., Clinical Instructor in Radiology (1950).
M.D. (1943), Creighton.
- H. MINOR NICHOLS, M.D., Clinical Instructor in Surgery (1940).
Ph.B. (1930), Yale; M.D. (1934), Oregon; M.S. (1937), Pennsylvania.
- NICHOLAS NICOLAIDES, Ph.D., Assistant Professor of Biochemistry (1960).
B.S. (1939), M.S. (1940), Case Institute of Technology; Ph.D. (1959), University of Chicago.
- NELSON R. NILES, M.D., Associate Professor of Pathology (1952).
M.D. (1947), Cornell.
- OLIVER M. NISBET, M.D., Associate Clinical Professor of Surgery (1926).
B.S. (1915), Idaho; M.D. (1919), Rush.
- LAWRENCE NOALL, M.D., Associate Clinical Professor of Orthopedic Surgery (1941).
B.A. (1931), B.M. (1934), Utah; M.D. (1936), Northwestern.
- JOSEPH E. NOHLGREN, M.D., Assistant Clinical Professor of Pathology (1949).
B.S. (1935), South Dakota State; M.D. (1943), Oregon.
- HAROLD J. NOYES, D.D.S., M.D., Clinical Professor of Dental Medicine; Head of Division (1946).
Ph.B. (1923), M.D. (1933), University of Chicago; B.S. (1928), D.D.S. (1928), Illinois.
- JAMES E. ODELL, M.D., Assistant Professor of Pathology (1956).
B.A. (1944), M.D. (1947), Iowa.
- EVELYN L. OGINSKY, Ph.D., Associate Professor of Bacteriology (1957).
B.A. (1938), Cornell; M.S. (1939), University of Chicago; Ph.D. (1946), Maryland.
- JOHN D. O'HOLLAREN, M.D., Clinical Instructor in Medicine (1959).
B.S. (1945), M.D. (1947), Oregon.
- DONALD E. OLSON, M.D., Assistant Clinical Professor of Medicine (1955).
B.A. (1943), Reed; M.S., M.D. (1947), Ph.D. (1948), Oregon.

- WILLIAM W. ORNDUFF, M.D., Instructor in Pediatrics (1959).
B.S. (1933), University of Washington; M.D. (1937), Oregon.
- SAMUEL OSBORN, M.D., Clinical Instructor in Orthopedic Surgery (1958).
B.S. (1942), Michigan State; M.D. (1945), Michigan.
- EDWIN E. OSGOOD, M.D., Professor of Medicine; Head of Division of Experimental Medicine and Division of Hematology (1922).
B.A. (1923), M.A., M.D. (1924), Oregon.
- SAMUEL B. OSGOOD, M.D., Clinical Instructor in Public Health and Preventive Medicine (1951).
B.S. (1931), M.D. (1935), Oregon; M.S.P.H. (1939), California.
- EVAN L. OTTO, M.D., Clinical Instructor in Orthopedic Surgery (1961).
B.S. (1949), North Dakota; M.D. (1951), Northwestern.
- ARTHUR L. OVREGAARD, M.D., Clinical Instructor in Radiology (1954).
B.A. (1944), College of Idaho; M.D. (1948), Oregon.
- ALBERT A. OYAMA, M.D., Clinical Associate in Pathology (1959).
B.S. (1951), M.D. (1953), Oregon.
- ABE OYAMADA, M.D., Associate Professor of Pathology (1954).
B.A. (1942), Reed; M.D. (1947), Oregon.
- OTTO C. PAGE, M.D., Clinical Associate in Medicine (1952).
B.S. (1941), M.D. (1944), Boston University.
- JOSEPH F. PAQUET, M.D., Clinical Associate in Medicine (1944).
M.D. (1940), Duke.
- ALLEN H. PARKER, M.D., Clinical Instructor in Medical Psychology (1958).
B.S. (1953), Oregon State; M.S. (1951), Ph.D. (1954), University of Portland.
- C. RUSSELL PARKER, M.D., Clinical Instructor in Psychiatry (1957).
B.A. (1942), Reed; M.D. (1945), Cornell.
- MAX H. PARROTT, M.D., Clinical Instructor in Obstetrics and Gynecology (1949).
B.S. (1938), Oregon State; M.D. (1940), Oregon; M.S. (1949), Michigan.
- JOHN W. PARTRIDGE, M.D., Clinical Associate in Medicine (1957).
B.S. (1943), M.D. (1945), University of Chicago.
- 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., Clinical Instructor in Urology (1953).
B.A. (1942), Antioch; M.D. (1945), Western Reserve.
- DUANE R. PAULSON, D.D.S., Clinical Instructor in Dental Medicine (1957).
B.S. (1949), Puget Sound; D.D.S. (1954), Northwestern.
- HAROLD D. PAXTON, M.D., Clinical Instructor in Neurosurgery (1956).
M.D. (1948), Johns Hopkins.
- ROY A. PAYNE, M.D., Clinical Instructor in Medicine (1960).
B.S. (1953), University of Portland; M.D. (1955), Oregon.
- ANTHONY A. PEARSON, Ph.D., Professor of Anatomy; Chairman of Department (1946).
B.S. (1928), Furman; M.A. (1930), Ph.D. (1933), Michigan.
- ANNE M. PERLEY, M.A., Assistant Professor of Biochemistry (1951).
B.A. (1927), Grinnell; M.A. (1929), Nebraska.
- FRANK PERLMAN, M.D., Assistant Clinical Professor of Medicine; Head of Division of Allergy (1935).
B.S. (1931), M.D. (1933), Wisconsin.
- CLARE G. PETERSON, M.D., Professor of Surgery (1944).
B.A. (1939), M.D. (1943), M.S. (1945), Oregon.

- IVER F. SMALL, M.D., Assistant Professor of Psychiatry (1960).
B.A. (1951), Saskatchewan; M.D. (1954), Manitoba; M.S. (1960), Michigan.
- FRANK B. SMITH, M.D., Associate Clinical Professor of Orthopedic Surgery (1944).
B.A. (1933), Southern California; C.M., M.D. (1937), McGill.
- FREDERIC W. SMITH, M.D., Associate in Medicine (1960).
B.S. (1947), Kansas State; M.D. (1956), Cornell.
- JOHN C. SMITH, M.D., Assistant Clinical Professor of Pathology (1960).
B.S. (1950), Oklahoma; M.D. (1954), Johns Hopkins.
- LONDON H. SMITH, M.D., Assistant Clinical Professor of Pediatrics (1951).
B.A. (1944), Reed; M.D. (1946), Oregon.
- KENNETH D. SMYTH, M.D., Clinical Associate in Otolaryngology (1957).
B.A. (1948), College of Idaho; M.D. (1954), Oregon.
- PHILIP A. SNEDECOR, M.D., Clinical Instructor in Surgery (1958).
A.B. (1949), Stanford; M.D. (1953), Oregon.
- VINTON D. SNEEDEN, M.D., Clinical Professor of Pathology (1939).
B.A. (1932), Linfield; M.D. (1936), Oregon.
- WILLIAM E. SNELL, M.D., Associate Professor of Orthopedic Surgery; Head of Division (1951).
B.S. (1943), M.D. (1945), Oregon.
- WILLIAM M. SNOOK, M.D., Clinical Instructor in Pediatrics (1954).
M.D. (1949), Virginia.
- JOHN L. SOELLING, M.D., Clinical Associate in Medicine (1953).
B.A. (1944), Columbia; M.D. (1946), New York Medical College.
- CHARLES H. SPARKS, M.D., Clinical Instructor in Surgery (1958).
B.S. (1944), Montana School of Mines; M.D. (1951), St. Louis.
- WILLIAM ALDEN SPENCER, M.D., Assistant Professor of Physiology (1961).
B.A. (1955), Reed; M.S. (1957), M.D. (1957), Oregon.
- JAMES T. SPEROS, M.D., Assistant Professor of Medicine (1940).
B.A. (1931), M.D. (1934), Oregon.
- GEORGE V. SQUIRE, M.D., Clinical Instructor in Medicine (1959).
B.A. (1942), Iowa; B.S. (1949), M.D. (1951), Minnesota.
- WALTER R. STAHL, M.D., Clinical Instructor in Radiology (1959).
B.S. (1951), Massachusetts Institute of Technology; M.D. (1955), Harvard.
- JOHN H. STALNAKER, M.D., Clinical Instructor in Medicine (1951).
B.A. (1941), Willamette; M.D. (1945), Oregon.
- ALBERT STARR, M.D., Assistant Professor of Surgery (1957).
B.A. (1946), M.D. (1949), Columbia
- GRIER F. STARR, M.D., Assistant Clinical Professor of Pathology (1959).
B.S. (1947), Jamestown; M.D. (1951), Northwestern.
- HOWARD C. STEARNS, M.D., Clinical Professor of Obstetrics and Gynecology (1932).
B.S. (1924), M.S. (1925), Oregon State; M.D. (1929), Oregon.
- DAN N. STEFFANOFF, M.D., Clinical Associate in Surgery (1951).
B.A. (1930), M.D. (1934), D.M.D. (1942), Oregon.
- JOHN W. STEPHENS, M.D., Clinical Associate in Medicine (1953).
B.S. (1939), M.D. (1944), Alberta.
- JANICE R. STEVENS, M.D., Assistant Professor of Neurology (1955).
B.A. (1944), Reed; M.D. (1949), Boston University.

- JOHN L. STEVENSON, M.D., Clinical Instructor in Pediatrics (1957).
A.B. (1950), Stanford; M.D. (1954), Oregon.
- WILLIAM A. STOTLER, Ph.D., Associate Professor of Anatomy (1946).
A.B. (1935), Westminster; M.S. (1937), St. Louis; Ph.D. (1942), Cornell.
- KURT R. STRAUBE, M.D., Instructor in Radiology (1960).
Cand. Med. (1948), Dr. Med. (1952), University of Vienna, Austria.
- EUGENE S. SULLIVAN, M.D., Clinical Instructor in Surgery (1959).
B.S. (1950), M.D. (1953), Wisconsin.
- RALPH R. SULLIVAN, M.D., Clinical Instructor in Dermatology (1951).
B.S. (1927), M.B. (1929), M.D. (1930), Minnesota; M.P.H. (1942), Michigan.
- KENNETH C. SWAN, M.D., Professor of Ophthalmology; Chairman of Department (1944).
B.A. (1933), M.D. (1936), Oregon.
- ROBERT E. SWANSON, Ph.D., Associate Professor of Physiology (1961).
B.A. (1949), Ph.D. (1953), Minnesota.
- *ROY L. SWANK, M.D., Professor of Medicine; Head of Division of Neurology (1953).
B.S. (1930), University of Washington; M.D., Ph.D. (1935), Northwestern.
- WILLIAM R. SWEETMAN, M.D., Clinical Instructor in Surgery (1953).
B.A. (1940), M.D. (1943), Yale.
- WILLIAM J. SWETT, M.D., Assistant Clinical Professor of Medicine (1938).
B.A. (1928), Reed; M.D. (1932), Oregon.
- DAVID S. TAKALO, M.S., Clinical Instructor in Medical Technology (1956).
B.S. (1941), M.S. (1942), Oregon State.
- THOMAS E. TALBOT, M.D., Assistant Clinical Professor of Ophthalmology (1953).
B.S. (1942), Oregon State; M.D. (1945), Oregon.
- ELLEN L. TALMAN, Ph.D., Assistant Professor of Biochemistry (1955).
B.A. (1942), Reed; M.S. (1949), Ph.D. (1951), Oregon.
- HOWARD J. TATUM, M.D., Professor of Obstetrics and Gynecology (1958).
B.A. (1936), Ph.D. (1941), M.D. (1943), Wisconsin.
- DAVID K. TAYLOR, M.D., Clinical Associate in Medicine (1946).
B.A. (1929), College of Idaho; M.D. (1940), Oregon.
- E. MERLE TAYLOR, M.D., Clinical Professor of Ophthalmology (1932).
M.D. (1925), Iowa.
- EUGENE E. TAYLOR, M.D., Assistant Professor of Psychiatry (1961).
B.S. (1942), Idaho; M.D. (1945), Washington University; M.P.H. (1950), North Carolina School of Public Health.
- T. GLENN TEN EYCK, M.D., Clinical Associate in Otolaryngology (1946).
B.A. (1930), M.D. (1933), Oregon.
- WILLIAM O. THOMAS, JR., M.D., Clinical Instructor in Obstetrics and Gynecology (1949).
B.A. (1937), Dartmouth; M.D. (1941), Harvard.
- RICHARD F. THOMPSON, Ph.D., Assistant Professor of Medical Psychology (1959).
B.S. (1952), Reed; M.S. (1953), Ph.D. (1956), Wisconsin.
- WILLIAM W. THOMPSON, M.D., Clinical Instructor in Psychiatry (1949).
B.S. (1943), Oregon State; M.D. (1945), Oregon.
- JOHN DONALD THORPE, M.D., Clinical Associate in Pathology (1961).
B.S. (1949), Idaho; M.D. (1952), Washington University.

* On leave of absence for Commonwealth Fund Fellowship at Physiologisch-Chemisches Institute, Joseph-Stelzmann-Str. 52, Cologne, Germany.

- ROBERT H. TINKER, M.D., Clinical Instructor in Surgery (1942).
B.S. (1938), B.M. (1940), M.D. (1941), Illinois.
- ROBERT L. TIPS, M.D., Assistant Professor of Pediatrics (1959).
B.A., M.A. (1949), Texas; Ph.D. (1952), Notre Dame; M.D. (1956), Texas.
- BRUCE L. TITUS, M.D., Assistant Clinical Professor of Otolaryngology (1943).
B.A. (1930), M.D. (1934), Oregon.
- WILBERT R. TODD, Ph.D., Professor of Biochemistry (1936).
B.S. (1925), Ph.D. (1933), Wisconsin.
- JOSEPH B. TRAINER, M.D., Associate Professor of Physiology and Medicine (1949).
B.S. (1939), M.S. (1941), University of Washington; M.D. (1946), Oregon.
- THOMAS A. TREATOR, M.D., Clinical Instructor in Obstetrics and Gynecology (1959).
B.A. (1950), Syracuse; M.D. (1954), New York State University.
- JOSEPH H. TRELEAVEN, M.D., Clinical Instructor in Psychiatry (1961).
B.A. (1948), Saskatchewan; M.D. (1950), Alberta.
- JOHN P. TROMMALD, M.D., Assistant Clinical Professor of Surgery (1939).
B.S. (1929), Yale; M.D. (1933), Harvard.
- CHEN I. TSAI, M.D., Instructor in Neurosurgery (1959).
B.S. (1944), St. Johns University, Shanghai, China; M.D. (1949), National Tung-ti University Medical School, Shanghai, China.
- JOHN E. TUHY, M.D., Associate Clinical Professor of Medicine (1948).
B.A. (1935), M.D. (1938), Oregon.
- ARCHIE R. TUNTURI, M.D., Associate Professor of Anatomy (1945).
B.A. (1939), Reed; M.S. (1943), Ph.D., M.D. (1944), Oregon.
- ALVIN O. UHLE, M.D., Clinical Instructor in Surgery (1955).
B.S. (1945), University of Portland; M.D. (1947), Northwestern.
- FRANKLIN J. UNDERWOOD, M.D., Associate Clinical Professor of Medicine (1937).
M.D. (1933), Harvard.
- REX J. UNDERWOOD, M.D., Assistant Professor of Anesthesiology (1958).
B.A. (1950), Stanford; M.S., M.D. (1953), Oregon.
- JOHN T. VAN BRUGGEN, Ph.D., Associate Professor of Biochemistry (1947).
B.A. (1937), Linfield; M.A. (1939), Oregon; Ph.D. (1944), St. Louis.
- JOHN G. VANDENBERG, M.D., Clinical Instructor in Urology (1953).
B.S. (1945), Puget Sound; B.M. (1947), M.D. (1948), Northwestern.
- CLEMENS W. VAN ROOY, M.D., Clinical Instructor in Pediatrics (1958).
M.D. (1948), St. Louis.
- WILBUR N. VAN ZILE, D.D.S., Clinical Associate in Dental Medicine (1959).
D.D.S. (1928), Southern California.
- CHARLES VARGA, M.D., Clinical Instructor in Pediatrics (1956).
B.S. (1939), Rutgers; M.D. (1944), New York Medical College.
- LYLE VEAZIE, Ph.D., Associate Professor of Bacteriology (1942).
B.A. (1928), M.A. (1930), Ph.D. (1947), Oregon.
- R. MARK VETTO, M.D., Assistant Professor of Surgery (1959).
M.D. (1949), Jefferson; D.Sc. (1959), Cincinnati.
- MARIE K. WAGNER, Assistant Circulation Librarian (Instructor) (1954).
B.S. (1940), State Teachers College, West Chester, Pennsylvania.
- SHELDON A. WALKER, M.D., Associate Clinical Professor of Dermatology (1955).
M.D. (1942), Iowa.

- RALPH E. WALLACE, JR., Clinical Instructor in Obstetrics and Gynecology (1960).
B.A. (1953), M.D. (1956), Texas.
- GEORGE F. WALLIKER, JR., M.D., Clinical Instructor in Pediatrics (1949).
A.B. (1938), Nebraska; B.S. (1940), University of Portland; M.D. (1944), Tennessee.
- JOHN R. WALSH, M.D., Professor of Medicine (1960).
B.S. (1943), M.D. (1945), M.Sc.Med. (1951), Creighton.
- SUE A. WARREN, Ph.D., Clinical Instructor in Medical Psychology (1960).
A.B. (1939), East Carolina, Greenville, N.C.; M.A. (1951), Duke; Ph.D. (1955), Iowa.
- JOHN H. WATERMAN, M.D., Clinical Instructor in Psychiatry (1957).
B.S. (1929), M.D. (1933), Nebraska.
- CHARLES W. WATKINS, M.D., Clinical Instructor in Dermatology (1958).
B.A. (1948), Montana; M.D. (1951), St. Louis; M.S. (1958), Minnesota.
- EDWARD E. WAYSON, M.D., Clinical Associate in Surgery (1952).
A.B. (1939), Dartmouth; M.D. (1943), Michigan.
- FREIDA M. WEINER, M.D., Instructor in Pediatrics (1961).
B.S. (1948), M.D. (1952), Illinois.
- ADOLPH WEINZIRL, M.D., Professor of Public Health and Preventive Medicine;
Chairman of Department (1937).
B.S. (1922), M.D. (1925), Oregon; C.P.H. (1932), M.P.H. (1939), Johns Hopkins.
- MORRIS WEITMAN, Ph.D., Instructor in Medical Psychology (1960).
B.S. (1948), College of City of New York; M.A. (1953), Ph.D. (1960), New School
of Social Research.
- WARREN S. WELBORN, M.D., Clinical Instructor in Medicine (1956).
B.A. (1949), M.D. (1953), Oregon.
- SEFTON ROBERT WELLINGS, M.D., Assistant Professor of Pathology (1961).
B.S. (1951), M.D. (1953), University of Washington.
- ALVIN D. WERT, M.D., Associate Clinical Professor of Pediatrics (1946).
A.B. (1937), Colgate; M.D. (1941), Minnesota.
- EDWARD S. WEST, Ph.D., Professor of Biochemistry; Chairman of Department
(1934).
A.B. (1917), Randolph-Macon; M.S. (1920), Kansas State; Ph.D. (1923), University of
Chicago.
- RALPH N. WESTFALL, M.D., Clinical Associate in Otolaryngology (1949).
A.B. (1935), Maryville State Teachers; M.D. (1940), St. Louis.
- JAMES M. WHITELY, M.D., Clinical Instructor in Obstetrics and Gynecology
(1943).
B.S. (1935), M.D. (1938), Oregon.
- JAMES P. WHITTEMORE, M.D., Assistant Clinical Professor of Pediatrics (1948).
A.B. (1942), Holy Cross; M.D. (1945), Harvard.
- ARTHUR N. WIENS, Ph.D., Clinical Instructor in Medical Psychology (1958).
B.A. (1948), M.A. (1952), Kansas; Ph.D. (1956), University of Portland.
- RICHARD H. WILCOX, M.D., Assistant Clinical Professor of Public Health and
Preventive Medicine (1957).
B.S. (1932), South Dakota; M.D. (1934), Louisville; M.P.H. (1937), Johns Hopkins.
- JAMES W. WILEY, M.D., Clinical Instructor in Surgery (1948).
M.D. (1933), Oregon.
- CELOUS L. WILLIAMS, JR., M.D., Clinical Instructor in Medicine (1958).
M.D. (1954), Virginia.
- CHARLES P. WILSON, M.D., Assistant Clinical Professor of Medicine (1944).
A.B. (1920), Reed; M.D. (1924), Johns Hopkins.

- NATHANIEL D. WILSON, M.D., Clinical Associate in Surgery (1953).
B.S. (1936), Wheaton; B.M. (1940), M.D. (1941), Northwestern.
- WILLIAM M. WILSON, M.D., Associate Clinical Professor of Obstetrics and Gynecology (1928).
B.S. (1920), Whitman; M.D. (1924), Johns Hopkins.
- ZOLTON T. WIRTSCHAFTER, M.D., Associate Professor of Medicine (1953).
B.S. (1921), Case School of Applied Science; M.B. (1926), M.D. (1927), Cincinnati.
- ROBERT A. WISE, M.D., Associate Clinical Professor of Surgery (1947).
B.A. (1922), M.D. (1925), Columbia.
- GORDON T. WOLFE, M.D., Clinical Instructor in Medicine (1959).
B.S. (1942), M.D. (1945), Illinois.
- GREGG D. WOOD, M.D., Clinical Instructor in Surgery (1949).
B.A. (1939), Reed; M.D. (1943), Oregon.
- JAMES V. WOODWORTH, M.D., Clinical Instructor in Medicine (1952).
A.B. (1944), Whitman; M.D. (1946), Oregon.
- IVAN M. WOOLLEY, M.D., Clinical Associate in Radiology (1924).
M.D. (1919), Oregon.
- NORTON B. YOUNG, Ph.D., Instructor in Audiology (1960).
B.S. (1950), M.A. (1953), University of Washington; Ph.D. (1957), Purdue.
- ROBERT W. ZELLER, M.D., Assistant Clinical Professor of Ophthalmology (1951).
M.D. (1944), Loyola.
- WERNER E. ZELLER, M.D., Assistant Clinical Professor of Surgery (1946).
B.S. (1933), M.S. (1936), M.D. (1937), Oregon.
- WILLIAM A. ZIMMERMAN, B.S., Assistant to the Dean; Business Manager; Assistant Administrator of Hospitals and Clinics (Professor) (1945).
B.S. (1939), Oregon.

University of Oregon Medical School

Hospitals and Clinics

- DAVID W. E. BAIRD, M.D., Dean.
- CHARLES N. HOLMAN, M.D., Associate Dean; Medical Director and Administrator.
- JARVIS GOULD, M.D., Assistant Medical Director and Assistant Administrator.
- MYRON R. GROVER, JR., M.D., Assistant Medical Director.
- WILLIAM A. ZIMMERMAN, B.S., Assistant Administrator.
- GWYNN C. BRICE, Administrative Assistant; Assistant Director of Outpatient Clinic.
-
- GEORGE M. AUSTIN, M.D., Chief of Surgery Neurological Service.
- RALPH C. BENSON, M.D., Chief of Obstetrical and Gynecological Service.
- WILLIAM S. CONKLIN, M.D., Chief of Thoracic Surgical Service.
- JACKSON T. CRANE, M.D., Chief of Pathological Service.
- DAVID D. DEWEESE, M.D., Chief of Otolaryngological Service.
- CHARLES T. DOTTER, M.D., Chief of Radiological Service.
- J. ENGLEBERT DUNPHY, M.D., Chief of Surgical Service.

RAYMOND D. GRONDAHL, M.D., Chief of Clinical Pathological Service.
 FREDERICK P. HAUGEN, M.D., Chief of Anesthesiology Service.
 CLARENCE V. HODGES, M.D., Chief of Urological Service.
 ARTHUR C. JONES, M.D., Chief of Physical Medicine.
 HOWARD P. LEWIS, M.D., Chief of Medical Service.
 WALTER C. LOBITZ, JR., M.D., Chief of Dermatological Service.
 JOSEPH D. MATARAZZO, Ph.D., Chief of Medical Psychological Service.
 HAROLD J. NOYES, D.D.S., M.D., Chief of Dental Medical Service.
 DONALD E. PICKERING, M.D., Acting Chief of Pediatric Service.
 GEORGE SASLOW, M.D., Chief of Psychiatric Service.
 WILLIAM E. SNELL, M.D., Chief of Orthopedic Surgical Service.
 KENNETH C. SWAN, M.D., Chief of Ophthalmological Service.
 ROY L. SWANK, M.D., Chief of Neurological Service.
 MILDRED BERGHEIM, M.A., M.S.W., Supervisor of Medical Social Service.
 A. J. CLEMONS, Superintendent of Physical Plant.
 HILDA E. DRUM, R.T., Chief X-Ray Technician.
 CLARENCE HULTGREN, M.A., P.T., Chief Physical Therapist.
 LAURA P. MARTIN, R.N., C.R.L., Chief Record Librarian.
 MARJORIE P. MAXWELL, B.A., M.T., Chief Medical Technologist.
 MARJORIE R. MERRICK, B.S., Chief of Admitting Service.
 E. H. EMPEREUR, B.S., Chief Pharmacist.

University of Oregon Medical School Hospital
Doernbecher Memorial Hospital for Children

SHIRLEY M. THOMPSON, M.A., R.N., Director of Nursing Service.
 BETTY WEIBLE, B.S., R.N., Pediatric Supervisor.
 BEATRICE DUFFY, B.S., R.N., Surgical Supervisor.
 LYNN HARTLEY, B.S., R.N., Medical-Psychiatric Supervisor.
 ELEANOR MALLORY, R.N., Surgery Supervisor.
 CHARLOTTE WEEKS, B.S., R.N., Auxiliary Personnel Supervisor.
 EVELYN BARTON, R.N., Night Supervisor.
 MAY E. RAWLINSON, B.S., R.N., Evening Supervisor.
 GERTRUDE BERGQUIST, R.N., Assistant Night Supervisor.
 WILMA BETH BRANDES, B.S., R.N., Assistant Evening Supervisor.
 THELMA CROSLAND, R.N., Assistant Night Supervisor.
 VIOLA ROBINSON, B.S., R.N., Assistant Evening Supervisor.
 DOROTHY CAHILL, R.N., Head Nurse.
 PEGGY COOKE, R.N., Head Nurse.
 BEATRICE DUFFY, B.S., R.N., Head Nurse.
 BETTY JO EDDINS, R.N., Head Nurse.
 FREDERICKA GRABLE, R.N., Head Nurse.
 LOIS HART, B.S., R.N., Head Nurse.
 ADA HOKE, R.N., Head Nurse.
 ESTHER KELLY, R.N., Head Nurse.
 MARY MAHNKE, R.N., Head Nurse.
 REGINA MOCKMORE, B.S., R.N., Head Nurse.
 CHRISSIE SAYRE, R.N., Head Nurse.
 DORRIS SPEER, M.A., R.N., Head Nurse.
 DORIS STILEY, R.N., Head Nurse.

PAULINE ANDERSON, B.S., R.N., Admitting Supervisor.
 GLEN F. CRITESER, Laundry Manager.
 MAXINE FREEMAN, Executive Housekeeper.
 MARGARET ORTH, B.S., Dietitian.
 MARGARET LINTON, B.A., O.T.R., Medical-Surgical Occupational Therapist.
 BERNICE J. SEE, B.S., O.T.R., Psychiatric Occupational Therapist.
 MADELINE MYERS, Accounting Office Supervisor.

General Outpatient Service

GWYNN C. BRICE, Assistant Director.
 MARJORIE R. MERRICK, B.S., Chief Admitting Officer.
 MARIAN W. PARSELL, B.S., R.N., Director of Nursing Service.
 NANCY W. BESHEAR, B.S., Dietitian.

Multnomah Hospital

JARVIS GOULD, M.D., Administrator and Assistant Medical Director.
 GALE RANKIN, B.S., R.N., Director of Nursing Service.
 MARGARET FOX, R.N., Assistant Director of Nursing Service.
 BARBARA BROWNE, B.S., R.N., Supervisor.
 PATRICIA GRAVEN, R.N., Supervisor.
 ARDYS HOKENESS, R.N., Supervisor.
 LAVERNE HONEY, R.N., Evening Supervisor.
 LORRAINE NELSON, B.S., R.N., Clinical Instructor.
 JUNE SATCHFIELD, B.S., R.N., Evening Supervisor.
 ALICE SHARF, R.N., Surgical Supervisor.
 EMMA H. MCWILLIAMS, R.N., Night Supervisor.
 DOROTHY AU, B.S., R.N., Head Nurse.
 JEAN CALDWELL, B.S., R.N., Head Nurse.
 SHIRLEY FRANZEN, R.N., Head Nurse.
 ESTHER HENDERSON, R.N., Head Nurse.
 JUDITH HOFFMAN, R.N., Head Nurse.
 CAROL MCCALLISTER, R.N., Head Nurse.
 LEANN POOLE, R.N., Head Nurse.
 JEAN SCHROFFER, B.S., R.N., Head Nurse.
 BERNICE SETERE, B.S., R.N., Head Nurse.
 JOYCE VERCELLINO, R.N., Head Nurse.
 BEVERLY WARD, R.N., Head Nurse.
 DOROTHY YOSHITOMI, B.S., R.N., Head Nurse.
 HELEN COLGAN, Ph.G., Pharmacist.
 HENRY L. DOENKA, Chief Engineer.
 DAVID E. ANDERSON, Office Supervisor.
 RAMONA MCAFEE BENNETT, B.S., R.N., Housekeeper.
 RUTH MERCER, M.A., Dietitian, Clinical Instructor in Dietetics.

Tuberculosis Hospital

JAMES T. SPEROS, M.D., Assistant Medical Director and Director of Outpatient Clinic.
 BARBARA HIATT, M.S., R.N., Superintendent.
 ELSA SWARTZ, R.N., Supervisor.
 JACKLYN PROKOPOVICH, R.N., Evening Supervisor.
 NELLIE WHIPPLE, R.N., Night Supervisor.

BEVERLY BRYAN, R.N., Head Nurse.
 LUCILLE DORRIS, R.N., Head Nurse.
 MARGARET RYAN, R.N., Head Nurse.
 MADELYN HABIGER, B.S., Dietitian.
 GRACE BLACK, O.T.R., Occupational Therapist.

Visiting Physicians' Service

RANDALL F. WHITE, M.D., Multnomah County Physician.
 C. W. COTTRELL, M.D., Physician.
 HAROLD W. DOBBIN, M.D., Physician.
 ANTON D. ELMER, M.D., Physician.
 DONALD P. MCGREEVEY, M.D., Physician.
 WILLIAM R. OLSON, M.D., Physician.
 HOWARD I. OSBORNE, M.D., Physician.

Crippled Children's Division

RICHARD L. SLEETER, M.D., Director.
 VICTOR D. MENASHE, M.D., Assistant Director.
 HEROLD S. LILLYWHITE, Ph.D., Speech and Hearing Consultant.
 ROBERT W. BLAKELEY, Ph.D., Speech and Hearing Consultant.
 HERBERT E. GRISWOLD, M.D., Cardiac Consultant.
 WILLIAM E. SNELL, M.D., Orthopedic Consultant.
 S. GORHAM BABSON, M.D., Associate Professor of Pediatrics.
 DONALD M. PITCAIRN, M.D., Associate Professor of Medicine.
 JOHN C. ROTH, M.D., Assistant Professor of Anesthesiology.
 I. JOYCE SMALL, M.D., Assistant Professor of Psychiatry.
 ALBERT STARR, M.D., Assistant Professor of Surgery.
 LAURENCE R. LANGSTON, M.D., Clinical Associate in Orthopedic Surgery.
 RICHARD M. ADAMS, D.M.D., Instructor in Dentistry.
 J. DAVID BRISTOW, M.D., Instructor in Medicine.
 HARRY L. SASLOW, Ph.D., Instructor in Medical Psychology.
 NORTON B. YOUNG, Ph.D., Instructor in Audiology.
 SAMUEL G. FLETCHER, Ph.D., Research Associate in Speech Pathology.
 GLADYS BELL, A.B., Medical Social Consultant.
 JOANNE RULE, A.M., Medical Social Consultant.
 RUTH W. SPOERLI, M.S.S., Medical Social Consultant.
 DOROTHY M. PRINZING, M.A., R.N., R.P.T., Nursing Consultant.
 IRENE A. BACON, B.S., R.P.T., Physical Therapist.
 RUBY FIELDS, R.P.T., Physical Therapist.
 SUSAN FORD, R.P.T., Physical Therapist.
 VIRGINIA R. HATCH, B.S., Occupational Therapist.
 MARGARET A. COSTELLO, Administrative Assistant.

Cerebral Palsy Project (Collaborating Faculty Members)

RICHARD L. SLEETER, M.D., Professor of Pediatrics.
 RUDOLF C. H. ENGEL, M.D., Associate Professor of Pediatrics.
 RALPH C. BENSON, M.D., Professor of Obstetrics and Gynecology.
 HOWARD J. TATUM, M.D., Professor of Obstetrics and Gynecology.
 S. GORHAM BABSON, M.D., Associate Professor of Pediatrics.
 WILLIAM M. CLARK, JR., M.D., Assistant Professor of Pediatrics.

- JOHN O. KANGAS, Ph.D., Assistant Professor of Medical Psychology.
FRANK SHUBECK, M.D., Assistant Professor of Obstetrics and Gynecology.
BRUCE V. BUTLER, M.D., Instructor in Medical Psychology.
KATHRINE S. FRENCH, Ph.D., Instructor in Anthropology in Pediatrics.
TOSHIO FUJIKURA, M.D., Instructor in Pathology and Obstetrics and Gynecology.
WILLIAM W. ORNDUFF, M.D., Instructor in Pediatrics.
ROBERT L. TIPS, M.D., Instructor in Pediatrics.
RICHARD L. LESSEL, M.P.H., Research Assistant in Pediatrics.
C. DONALD NELSON, M.S., Research Assistant in Speech Pathology.

General Information

THE UNIVERSITY OF OREGON MEDICAL SCHOOL is located in Portland (population 371,042), 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; Mount Hood, one of the major peaks of the range, towers on the southeastern horizon.

History

MEDICAL EDUCATION in the Pacific Northwest had its beginnings 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's 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 101-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 1914 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 1920 conveyed to Multnomah County 9 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.

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 more than \$20,000,000, and are keeping pace with the school's expanding programs of education, research and public service.

The *First Medical Science Unit* (1919), 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. *Mackenzie Hall* (1922), the second unit of the Medical Science Building, 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. Named in honor of the late Dean Kenneth A. J. Mackenzie, the building is four stories high, similar in construction to the first unit, but has twice its capacity. An additional \$50,000 was appropriated by the General Education Board for equipment.

The *Outpatient Clinic* (1931), open to patients throughout the state of Oregon who are unable to obtain medical care elsewhere, affords teaching facilities for the clinical branches of the Medical School. Over 140,000 patient visits are recorded annually. Funds for the construction of the 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.

Multnomah Hospital (1923, 1950), constructed through funds supplied by Multnomah County, has a capacity of 295 beds with facilities for general, medical, surgical, and obstetrical patients. The Multnomah Hospital group includes the *Heating Plant* (1923) and the *Emma Jones Nurses' Dormitory* (1927). Under terms of a contractual arrangement between the commissioners of Multnomah County and the Oregon State Board of Higher Education, the Medical School has access to the hospital for teaching purposes, and the professional staff of the hospital is appointed by the Medical School. This arrangement provides a most successful affiliation for teaching, research and care of the sick.

The *University State Tuberculosis Hospital* (1939) has an 80-bed capacity and a large outpatient unit, the *Julius L. Meier Memorial Clinic*. The hospital has medical and surgical facilities for teaching medical students, interns, residents, and nurses. Funds for the hospital were provided through a state appropriation of \$110,000, a Public Works Administration grant of \$130,900 and a gift from Mrs. Grace R. Meier, Mrs. Jack Meier, Mrs. Joseph Ehrman, Jr., and Mrs. Frederick Ganz, in memory of Julius L. Meier.

The *Library and Auditorium* (1939) 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.

The *Medical School Library*, with stacks providing shelving space for 100,000 volumes, which may be expanded to accommodate an additional 100,000 volumes, contains more than 75,000 volumes of books and bound periodicals, as well as a large number of unbound periodicals. Approximately 1,400 current periodicals are received. Through the privileges of interlibrary loan and microfilm service, it is possible to obtain within a few days materials not contained in this collection. The Library has been enriched through many valuable gifts of books and periodicals from individuals and organizations. Members of the Women's Auxiliary of the Oregon State Medical Society and other friends of the Medical School aid in assembling books and objects of medical-historical interest. The Oregon State Board of Medical Examiners, the Portland Academy of Medicine and the Multnomah County Medical Society contribute to the annual operating fund. Public acknowledgement of gifts to the Library is made in a printed list in the annual Commencement program.

Students are given a survey of the resources of the Library and instruction in their uses in four lectures delivered by the librarian during the first and second years of their medical course.

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

The *Laboratory and Administration Building* (1949) was financed through a state appropriation of \$663,000. The building houses facilities for the basic science departments, together with administrative offices for the Medical School.

The *Physical Plant Shop and Warehouse* (1953) provides shop facilities and a central warehouse for the Physical Plant Department. The building was financed by a state appropriation of \$71,000. A \$48,000 addition to the structure was added in 1958 to provide space for a centralized tabulating service operated by the State System of Higher Education Comptroller's Office. A second addition to the building, costing \$200,000, completed in June 1960, provides additional space for the tabulating service, expanded storage facilities, and space for the Medical School's Printing Department.

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 *University of Oregon Medical School Hospital* (1955), a 270-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 128 beds for general, medical, and surgical patients, 29 beds for psychiatric care, and 113 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 \$366,779 for clinical laboratory facilities, departmental offices, clinic facilities, and student teaching laboratories.

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.

Ground was broken for a \$2,611,955 *Medical Research Laboratories Building*, a nine-story structure, in the summer of 1960. The estimated completion date is fall of 1962.

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 555 beds. The teaching program includes clinical experience for medical students as well as advanced residency programs. Coordinating the residency program is the Dean's Committee for the Portland Veterans Administration Hospital.

Philosophy and Objectives

MEDICINE is such a broad and extensive field that it is difficult in four years of the medical school to teach the student all that is required for the practice of medicine. 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 over-all 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 civic 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.

Accreditation

THE UNIVERSITY OF OREGON MEDICAL SCHOOL is one of 85 accredited schools of medicine in the United States. It is approved by the American Medical Association and by the Association of American Medical Colleges. 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 98). In addition, special programs are approved by the American Dietetic Association, the Council on Medical Education and Hospitals of the American Medical Association, the American Registry of X-Ray Technicians, and the Registry of Medical Technologists of the American Society of Clinical Pathologists.

Administration and Faculty

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 twenty-five 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 a nine-member lay board appointed by the Governor. The Chancellor is the chief executive officer.

The Medical School has 135 full-time faculty members serving in its basic and clinical science departments and more than 500 clinical faculty members who practice in Portland and the surrounding area donate a portion of their time to the teaching and research programs of the Medical School.

Instruction

THE UNIVERSITY OF OREGON MEDICAL SCHOOL provides a standard undergraduate 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 in the second year with a study of the effects of disease and the methods of diagnosis of disease. The clinical portion of the student's program is largely concentrated in the third and fourth years; much of this training 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 a special five-year program of study for outstanding students leading to both the medical degree and the Master of Science

degree. This program, offered through the basic science departments of the Medical School—*anatomy, bacteriology, biochemistry, pathology, pharmacology, physiology, and medical psychology*—is open to a few selected students each year. A student enters the five-year program after completing the first two years of medicine, and then pursues a combined course of medical and graduate studies. Such students spend three summers and a part of the regular academic years in graduate study. This program affords 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 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, and conducts training programs for residents and interns in the school's hospitals and clinics.

The University of Oregon School of Nursing provides an important instructional program on the Medical School campus. Courses in medical technology and X-ray technique and clinical affiliations in dietetics and occupational therapy also are offered. Each year the Medical School conducts an extensive postgraduate program for physicians of the states of the Pacific Northwest, British Columbia, and Alaska (see also page 99).

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 medical investigation into the causes and treatment of disease.

In the world-wide 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 under way at the Medical School are supported by gifts and grants amounting to more than \$1,500,000 annually. These funds are made available by private individuals and industry, by foundations and societies, and by the state and Federal governments.

Currently, over 100 research projects are being conducted at the school in virtually every area of medicine. Contributions made by University of Oregon Medical School investigators to medical knowledge have been numerous and have received world-wide recognition.

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

an all-campus activities calendar, scientific noon-hour programs, and a part-time employment file for medical students and their wives. It also makes available to students life and hospital insurance programs. Annual dues include a subscription to the SAMA publication, the *New Physician*.

Alpha Omega Alpha. Alpha of Oregon chapter of Alpha Omega Alpha, medical college honor society for both men and women, was installed at the University of Oregon Medical School in 1923. The aims of the society are the promotion of scholarship among medical students and the encouragement of high standards of character and conduct. Selection for AOA is made by the active members each spring from the junior and senior classes on the basis of scholastic achievement and character.

Fraternities. There are three medical fraternities for men at the University of Oregon Medical School—Alpha Kappa Kappa, Nu Sigma Nu, and Phi Beta Pi.

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. The Christian Medical Society (CMS) a non-denominational organization, holds discussion meetings every other week and social gatherings once a month. Students of any religious persuasion are invited to attend these meetings.

Junior Medical Auxiliary. During the school year wives of medical students meet twice each month for social activities and welfare projects. A program of interest to all members is scheduled for each of the monthly business meetings. Smaller groups "social clubs," also meet once a month. 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 in the Medical School Auditorium. Notices of these events are posted on student bulletin boards. Several traditional dances and fraternity get-togethers are planned each year by medical student organizations. An annual freshman reception in the fall and a reception for graduates following Commencement ceremonies are given by the Faculty Wives' Club. 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, students may participate in an intramural sports program.

The Student Activities Building, providing recreational and athletic facilities for the use of all students on the campus, was opened in the summer of 1960.

Housing

WHILE NO FACILITIES FOR HOUSING students are provided by the Medical School, many apartments and boarding houses are located close to the campus. An up-to-date list of vacancies in apartments and boarding houses is maintained in the Registrar's Office.

Student Health Service

A STUDENT HEALTH SERVICE, maintained by the Medical School, provides care for acute diseases and is available for counselling. Preventive as well as therapeutic services are provided. Hospitalization for a maximum of fifteen days per academic year is available for emergency medical or surgical conditions only.

Coverage by the Health Service is available if the student is registered for 7 hours or more credit in the current term and has paid the Health Service fee. There is no provision for care of student's dependents and no provision for elective surgery. All married students are strongly advised to carry some form of hospital insurance.

Detailed information is provided in a Student Health Service booklet available at the Health Service Office and at the Registrar's Office. All students should obtain copies when they register.

Fellowships, Scholarships, Prizes, Loan Funds

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.

Summer Student Research Fellowships. A number of fellowships are available to selected medical students for summer research in both basic science and clinical departments. These fellowships provide the opportunity to gain first-hand experience in medical research under the supervision of experienced investigators. Application must be made to the chairman of the department concerned prior to April 1 preceding the summer for which the fellowship is to be awarded. Funds for summer fellowships are now being provided by The National Foundation, Lederle Laboratories Division of the American Cyanamid Company, the Tobacco Industry Research Committee, and the National Institutes of Health.

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.

Dr. Laurence Selling Student Research Scholarships. The Selling Scholarship Fund was established in 1957 through a gift of approximately \$200,000 from an anonymous donor. The income is to be used for student research scholarships at the Medical School. Students are recommended for the award by a committee of the faculty, and the awards are based on scholastic ability and research promise. Awards are limited to students participating in the five-year program. (See page 98, Five-Year Program.)

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 scholastic record, the scholarship is renewable for each of his four years of medical training; if the student does not maintain a high scholastic record at the Medical School, his scholarship is transferred to the outstanding member of his Medical School class who has taken his premedical work at the University of

Oregon. The scholarships are a memorial to Dr. Kenneth A. J. Mackenzie, former dean of the Medical School; they are endowed through a bequest from the late Mrs. Mildred Anna Williams.

Pohl Memorial Scholarships. These scholarships were endowed in 1936 by a gift of \$5,000 from Dr. Esther Pohl Lovejoy, in memory of her husband, Dr. Emil Pohl, and her son, Frederick Clayson Pohl. The original gift has been supplemented by additional annual donations from Dr. Lovejoy, which have increased the endowment to about \$34,000. Awards are made to students of promise in the field of medicine. Two-thirds of the scholarships are given to men students, one-third to women students. Application should be filed with the office of the dean of the Medical School not later than March 1. Scholarships are awarded by the dean upon the recommendation of the Scholarship Committee of the Medical School.

James P. Griffin Scholarships. 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.

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

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

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

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

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

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 \$500 a year or to a maximum of \$1,000 to any one student. Emergency funds are available for small, short-term loans. Interest rates vary with the fund used and application should be made to the Medical School Business Manager's Office.

Ben Selling Loan Fund. This fund, a bequest from the late Mr. Ben Selling, is administered by Dr. Laurence Selling and the Trust Department of the First National Bank of 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 financial assistance of medical students. Preference is given to first- and second-year students who have demonstrated scholastic ability, character, and need. The usual loan is \$250. Loans are administered through the office of the dean.

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 \$800.

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

National Defense Loan Funds. A limited number of loans is available from Federal funds under the provisions of the National Defense Education Act. The usual loan is \$500 a year.

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.

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 2,500. In the spring of each year, the Alumni Association sponsors a three-day scientific meeting on the Medical School campus with about 400 registrations. Alumni Association officers for 1961-62 are:

DR. JOHN E. TUHY, '38, Portland.....	President
DR. JOHN O. BRANFORD, '46, Portland.....	Vice-President
DR. KIRK J. ANDERSON, '44, Seattle.....	Vice-President
DR. JOHN A. BELT, '56 Anaheim, California.....	Vice-President
DR. RICHARD S. FIXOTT, '34, U.S. Air Force Academy, Colorado.....	Vice-President
DR. DONALD B. SLOCUM, '35, Eugene.....	Vice-President
DR. JOSEPH E. NOHLGREN, '43, Portland.....	Secretary
DR. JOYLE O. DAHL, '30, Portland.....	Treasurer
JOSEPH J. ADAMS, Portland.....	Executive Secretary

Academic Requirements and Regulations

Admission Requirements

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

Premedical Requirements. 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 thorough, sound 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. It is essential that a good basic preparation in the fundamentals of chemistry, physics, and biology be obtained; but, with this training, a student whose major undergraduate interest lies outside the biological or physical sciences should have adequate scientific preparation for medicine. Intensive scientific specialization will come soon enough, when the student enters the Medical School. While this specialization is necessary in Medical School, it is exceedingly important that the future physician in training remain constantly aware of the fact that the practice of medicine involves working with all kinds of people in many and complex social relations. For this reason, preparation for a career in medicine is inadequate if limited largely to scientific subjects. Because of their eventual responsibilities in human relationships, students have need for a broad liberal education. As we learn more of man and his reactions, it becomes obvious that social, economic, and other environmental factors have much to do with his physical and mental health.

Certainly, a student with a primary interest in biology, chemistry, or physics should not be discouraged from pursuing 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 for medicine if he takes more basic courses or work in other fields such as mathematics and the social and behavioral sciences. Premedical education, then, should be planned to include, not only adequate scientific preparation, but also the type of broad education which leads to an understanding of the world in which we live. The three or four years in college should be looked upon as an opportunity to gain a good general education and not merely as a stepping stone to medical school.

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

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

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

	Term	Hours
Chemistry.....		24
General inorganic, which may include qualitative analysis.....	12	
Quantitative analysis, emphasis on volumetric analysis.....	4	
Organic.....		8
Biology.....		15
General biology or zoology.....	9	
Selections from comparative anatomy, embryology, or genetics (in this order of preference).....	6	
Physics.....		12
Mathematics.....		6
*English.....		9
Electives.....		72
Total prescribed credit.....		138

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

The work in organic chemistry must include the chemistry of both aliphatic and aromatic compounds. Biochemistry will not be accepted toward meeting the requirements. At least 25 per cent of all chemistry credit must be for laboratory work.

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

The work in physics must include the divisions of mechanics, heat and sound, light and electricity.

The work in mathematics should be of standard college grade, and should include subjects such as algebra, elementary analysis, trigonometry, or calculus.

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

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

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 exact time and place of the test and registration deadlines can be obtained from college premedical advisers.

Bachelor's Degree. A student entering the University of Oregon Medical School without a Bachelor of Arts or Bachelor of Science degree must complete the work required for one of these degrees in the Oregon State System of Higher Education or in the institution at which he received his premedical preparation, before entering upon the work of the third year in the Medical School.*

The University of Oregon, Oregon State 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. Application forms may be obtained from the Medical School Registrar, and all credentials should be sent to that office. Because the

* Students expecting to receive the bachelor's degree from the University of Oregon should include 9 hours of English composition and 9 hours of English literature in their premedical programs.

Committee on Admissions begins examining applications a year in advance of entrance to the Medical School, *early application is advisable*. Applications are accepted between July 1 and December 15. Early application is advised, since admission begins in the fall term. 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 residents of neighboring western states which do not have medical schools, particularly residents of states which are members of the Western Interstate Commission on Higher Education (WICHE). Occasionally exceptional applicants from other regions are admitted.

Applicants who are residents of Alaska, Arizona, Hawaii, Idaho, Montana, Nevada, New Mexico, 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. In addition to preferential consideration for admission given WICHE certified applicants over other nonresident applicants, the WICHE-supported applicant pays the Oregon resident tuition fee.

On or before December 15 the applicant must submit the following:

Formal application for admission on the form furnished by the Medical School Registrar.

Official transcripts of all previous college records (sent directly to the University of Oregon Medical School Registrar by the registrar of the institution or institutions where preprofessional training was taken), showing the complete college record with grades and credits.

A fee of \$5.00 which is charged for the evaluation of transcripts. This fee should be enclosed with the application for admission. (Make checks or money orders payable to the University of Oregon Medical School.)

One unmounted recent glossy photograph, size 2½" x 3" of the applicant in conventional dress, front view.

Scores received on the Medical College Admission Test (when the student takes the test he should request that his scores be sent to the University of Oregon Medical School Registrar).

After the initial screening, well-qualified applicants will be required to submit: (1) *a health questionnaire*, completed by the student; (2) *a physical examination sheet*, completed by the student's physician.

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: preprofessional 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 nonresidents 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 suitability. 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 student health physician before final acceptance.

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 April 15. Acknowledgement 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 \$25.00 must be paid not later than two weeks following notice of acceptance in order to reserve a place in the entering class. If the deposit is made prior to December 15, it is not refundable after January 15 should the student release his place in the class. If the deposit is made after December 15 it is not refundable after a period of thirty days following notice of acceptance.

Special Students. Special students are admitted to the University of Oregon Medical School under certain special conditions. The reasons for admission, qualifications for entrance, and the courses to be taken as a special student must be passed upon by the Admissions Committee and approved by the dean.

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

Students holding only academic degrees may be admitted as special students in certain courses in the Medical School. Such students may not receive academic credit for work in clinical subjects and may not audit clinical courses.

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

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

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

Application forms for admission as a special student may be obtained from the Registrar.

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. In general, only transfer to the third-year class is feasible. Only a limited number of students can be admitted with advanced standing.

Registration Procedure. Medical students register only once each year (see Calendar, page 8, at the beginning of the fall term. Students report to the Registrar's Office on the day of registration to receive schedules of classes and fee slips (indicating the total fees to be paid for the term). Fees are to be paid at the Cashier's Office during the first week of classes.

Schedules of classes for subsequent terms are available at 8:00 a.m. on the first day of the term at the Registrar's Office. During the first week of the term the student must report to that office to pick up a fee slip.

Fees and Expenses

FEEES AND DEPOSITS paid by students at the University of Oregon Medical Schools are as follows:

Regular Fees

Tuition, per term.....	\$ 60.00
Laboratory and course fee, per term.....	117.00
¹ Building fee, per term.....	8.00
² Incidental fee, per term.....	24.00
	\$209.00
Nonresident fee, per term (in addition to fees for resident students).....	\$116.00

Graduate Fees³

For graduate students registered for 7 or more term hours of work per term:	
Tuition.....	\$ 10.00
Laboratory and course fee.....	40.00
¹ Building fee.....	8.00
² Incidental fee, per term.....	24.00
	\$ 82.00
For graduate students registered for 6 term hours of work or less.....\$11.00 per term hour (minimum, \$22.00 per term)	
For graduate students employed as graduate or research assistants or fellows, per term:	
¹ Building fee.....	\$ 8.00
² Incidental fee.....	24.00
	\$ 32.00

Deposits

⁴ Deposit to reserve place in entering class (applied on tuition).....	\$25.00
⁵ Breakage deposit, per year—first and second years.....	15.00
⁵ Breakage deposit, per year—graduate students.....	5.00

Special Fees

Registration and laboratory fee for special students registered for 6 term hours of work or less.....	\$17.00 per term hour (minimum, \$34.00 per term)
Auditor's fee for lectures, per term hour.....	\$ 5.50
An auditor is a person who has obtained permission to attend classes without receiving academic credit.	
Transcript fee.....	\$ 1.00
One transcript is issued free; a fee of \$1.00 is charged for each additional transcript.	

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

² The incidental fee is for student health service and for use of the Student Activities Building.

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

⁴ See page 57.

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

Evaluation fee.....	\$ 5.00
The evaluation fee is charged for the evaluation of transcripts submitted with the application for admission; not refundable.	
Late-registration fee, per day.....	\$1.00
Students registering after the scheduled registration day of any term pay a late-registration fee of \$1.00 per day. The first penalty day for graduate students is one week after the scheduled registration day.	
Penalty for late payment of tuition and fees, per day.....	25 cents
The first penalty day is one week after registration. Enrollment is canceled if tuition is not paid two weeks after registration day; a \$2.00 fee is required for reinstatement.	
Graduate qualifying-examination fee.....	\$1.00 to \$15.00

Microscopes

Medical students are expected to provide themselves with microscopes. Microscopes are available for students who wish to rent them, for a fee of \$5.00 a term.

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.....	\$ 627.00
Tuition and fees, full-time nonresident students.....	975.00
Breakage deposit	15.00
Microscope fee	15.00
Books and supplies	135.00
Board and room	1,000.00
Personal expenses	200.00

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

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

Regulations Governing Nonresident Fee

Under the regulations of the Oregon State Board of Higher Education, a minor student whose parents are bona fide residents of Oregon qualifies for enrollment under the resident fee; and a student whose domicile is independent of his father qualifies for enrollment under the resident fee if he presents convincing evidence that he established his domicile in Oregon three months prior to his first registration and that he was not a student at a collegiate institution during this period.

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; (3) a student paying part-time fees; (4) a student who has been a resident of Hawaii or Alaska for the major portion of the two years immediately preceding the term for which exemption is granted in accordance with provisions of Oregon law.

A student who has been classified as a nonresident may be reclassified as a resident:

(1) In the case of a minor, if his nonresident parents have moved to Oregon and have established a bona fide residence in the state, or

(2) In the case of a student whose domicile is independent of that of his father, if the student presents convincing evidence that he has established his domicile in Oregon and that he has resided in the state for at least twelve consecutive months immediately prior to the term for which reclassification is sought.

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 that he is a resident of Oregon. If his scholastic record shows attendance at a school outside of Oregon, he may be required to furnish further proof of Oregon domicile.

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

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 summer 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.

Public Law 550 (Korean Veterans). Under this plan the student pays all the expenses of tuition and books and receives a monthly check, designed to cover both educational expenses and subsistence, from the Veterans Administration. The amount of the check is based on the number of hours for which the student is enrolled. The Korean veteran may discontinue his training for a period not exceeding twelve months without losing his eligibility. If he wishes to return to school after this period, he must reapply for a Certificate of Eligibility.

Public Law 894 (Korean Veterans). Each case is handled individually according to the percentage of disability. Disabled veterans should contact the Veterans Administration directly for answers to their questions concerning this law.

Questions concerning benefits should be directed to the Registrar's Office.

Scholastic Regulations

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

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.

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 average of 4.00 or better (less than 4.00) determined from grades received and number of credit hours. 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 during the first week of the term in which the course is given.

If the student withdraws from an elective course for any reason, this must be done at the Registrar's Office within two weeks after the beginning of the course. Otherwise he will be held responsible for the course and the grade will be incorporated into his record.

Dismissal. The faculty has the right to sever, at any time, the connection with the Medical School of any student who is considered to be physically, morally, or mentally unfit for a career in medicine. A student may be dropped upon the recommendation of a Promotion Board.

A student ordinarily may be on probation status for two terms before the Promotion Board recommends his dismissal; however, the faculty, for adequate cause, may drop a student without previous warning.

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. Failure to pass the examination necessitates taking special departmental examination in any subjects failed. All candidates for degrees are required to be present at the Commencement Exercises to receive their diplomas in person. The Doctor of Medicine degree is conferred by the University of Oregon upon the recommendation of the faculty of the Medical School.

Licensure. Admission to the practice of medicine in any state is conditioned upon the requirements of a state board of medical examiners. Admission to practice in the state of Oregon is dependent upon the candidate's having an M.D. degree, completing a one-year straight or rotating internship, and passing the basic science and 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. In some instances

completion of the basic science requirements may be arranged by reciprocity also.

Further information about licensure requirements may be obtained from the Oregon State Board of Medical Examiners, 609 Failing Building, Portland.

Students are urged to take the Oregon basic science examination at the end of their sophomore year. This examination is given by the Basic Science Examining Committee of the Oregon State Board of Higher Education and is required for licensure in Oregon. Information concerning this examination may be obtained by writing the Basic Science Examining Committee, Oregon State Board of Higher Education, Eugene.

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 pre-medical studies does not guarantee admission to the Medical School.

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

The prescribed and recommended subjects for the three premedical years are described under ADMISSION AND REQUIREMENTS. In the first, second, third, and fourth years at the Medical School there are 5,352 class hours of required work. Descriptions of courses are to be found under the several departmental headings.

Prescribed Work

First Year

	Aggregate class hours				Term hours
	Lecture	Lab.	Clinic	Total	
An 411, 412, 413....Gross Anatomy	84	288	....	372	15
An 414.....Embryology	24	72	....	96	4
An 415.....Histology	36	108	....	144	6
An 511.....Neurology	24	72	....	96	4
BCh 411, 412.....Biochemistry	96	180	....	276	13
Phy 411.....Human Physiology	60	108	....	168	8
Med Ps 411, 412.....Intro. to Medical Psychology	48	....	....	48	4
PH 411.....Statistical Methods	12	36	....	48	2
	384	864	....	1,248	56

Second Year

Bac 413, 414.....Med. Microbiology & Immunology	72	144	....	216	10
CP 511.....Intro. to Clinical Pathology	36	72	....	108	5
Pth 511, 512.....General Pathology	72	144	....	216	10
Pth 514.....Gyn. & Obs. Pathology	12	24	....	36	1½
Phc 511, 512.....Pharmacology	96	72	....	168	10
Phy 412.....Human Physiology	48	72	....	120	6
Med 612, 613, 614.....Physical Diagnosis	72	....	72	144	9
Psy 511, 512.....Interview, Tech. & Psychiatric Med.	24	48	....	72	4
PH 512, 513.....Epidemiology	36	36	....	72	4
Sur 610, 611.....Introduction to Surgery	24	....	....	24	2
Sur 612.....Healing Processes	12	....	....	12	1
	504	612	72	1,188	62½

Third Year

PATHOLOGY					
Pth 515.....Laboratory Neuropathology	12	24	....	36	1½
MEDICINE					
Med 615, 616, 617.....Lectures in Internal Medicine	72	....	....	72	6
Med 630.....Clinical Clerkship	312	312	13
Der 615, 616, 617.....Lect. & Demon. in Dermatology	36	36	3

CURRICULUM IN MEDICINE

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Third Year (Cont.)

	—Aggregate class hours—			Term hours		
	Lecture	Lab.	Clinic Total			
PSYCHIATRY						
Psy 615.....	Lectures in Clinical Psychiatry	12	....	12	1
Psy 630.....	Clinical Clerkship .....	....	72	72	3
RADIOLOGY						
Rad 615, 616, 617.....	Radiographic Diagnosis	36	....	36	3
PUBLIC HEALTH & PREVENTIVE MEDICINE						
PH 511.....	Principles of Public Health	36	....	36	3
SURGERY						
Sur 617, 618.....	Lectures on Surgery	24	....	24	2
Sur 630.....	Clinical Clerkship .....	....	200	200	8
Sur 631.....	Surgery Clerkship-Clinic .....	....	48	48	2
Orth Sur 615.....	Orthopedics	12	....	12	1
Orth Sur 630.....	Orthopedic Clerkship-Clinic .....	....	50	50	2
Orth Sur 631.....	Fractures and Joint Injuries .....	....	24	24	1
Ur 615.....	Dis. of Genito-Urinary Tract	12	....	12	1
Ur 630.....	Urology Clerkship-Clinic .....	....	50	50	2
Anes 615, 616.....	Lectures on Anesthesia	12	....	12	1
Anes 630.....	Regional Anesthesia	12	....	12	1
Neur Surg 630.....	Neurosurgical Seminar .....	....	24	24	1
OPHTHALMOLOGY						
Eye 615.....	Eye	12	....	12	1
OTOLARYNGOLOGY						
Ent 615.....	Ear, Nose & Throat	12	....	12	1
OBSTETRICS						
Obs 615.....	Introductory Obstetrics	12	....	12	1
Obs 616.....	Lectures & Demonstration in Obstetrics	12	....	12	1
Obs 630.....	Clinical Clerkship .....	....	78	78	3½
Obs 631.....	Manikin .....	....	12	12	½
Obs 632.....	Attendance at Deliveries .....	....	48	48	2
GYNECOLOGY						
Gyn 615, 616.....	Gynecology	24	....	24	2
Gyn 630.....	Clinical Clerkship .....	....	66	66	3
PEDIATRICS						
Ped 615, 616, 617.....	Diseases of Infancy & Childhood	36	....	36	3
Ped 630.....	Clerkship .....	....	192	192	8
		384	24	1,176	1,584	81½

Fourth Year

CLINICAL PATHOLOGY					
CP 650.....	Clinical Pathology	12	....	12	1
PATHOLOGY					
Pth 653.....	Forensic Medicine	12	....	12	1
Pth 654.....	Oncology	12	12	24	1
Pth 655.....	Surgical Pathology	12	24	36	1½
MEDICINE					
Med 650, 651, 652.....	General Clinical Conference .....	....	30	30	1¼
Med 653, 654, 655.....	Conference on Medical Therapy .....	....	36	36	1½
Med 656.....	Allergy	12	....	12	1
Med 657.....	Occupational Medicine	12	....	12	1
Med 658.....	Medical Economics	12	....	12	1
Med 670.....	Medical Outpatient Clinic .....	....	120	120	5
Med 671.....	Gastroenterology Outpatient Clinic .....	....	12	12	½
Med 672.....	Metabolism & Diabetes Outpatient Cl. ....	....	12	12	½
Med 673.....	Endocrinology Outpatient Clinic .....	....	12	12	½
Med 674.....	Cardiovascular-renal Outpatient Clinic .....	....	12	12	½
Med 675.....	Chest Disease Outpatient Clinic .....	....	12	12	½
Med 676.....	Allergy Outpatient Clinic .....	....	12	12	½
Med 677.....	Hematology Outpatient Clinic .....	....	12	12	½
Med 678.....	Tb. Outpatient Clinic and Clerkship .....	....	24	24	1
Neu 670.....	Neurology Outpatient Clinic .....	....	12	12	½
Der 670.....	Dermatology Outpatient Clinic .....	....	36	36	1½
DM 650.....	Dent. Facial Growth & Oral Path	12	....	12	1
PSYCHIATRY					
Psy 670.....	Psychiatry Outpatient Clinic & Clerk....	....	72	72	3

ACADEMIC REGULATIONS

Fourth Year (Cont.)

	Aggregate class hours			Term hours		
	Lecture	Lab.	Clinic Total			
SURGERY						
Sur 650.....	Surgical Conference	12	....	12	1
Sur 651.....	General Surgical Clinic .....	....	....	24	1
Sur 652, 653, 654...	General Clinical Conference .....	....	....	30	1½
Sur 670.....	Surgery Outpatient Clinic .....	....	....	72	3
Sur 672.....	Cancer .....	....	....	24	1
Sur 673.....	Clinical Pathology .....	....	....	36	1½
Sur 674.....	Physical Medicine .....	....	....	24	1
Orth Sur 670.....	Orthopedic Outpatient Clinic .....	....	....	36	1½
Ur 650.....	Dis. of Genito-Urinary Tract	12	....	12	1
Ur 670.....	Urology Outpatient Clinic .....	....	....	36	1½
Anes 670.....	Anesthesia Clerkship .....	....	....	12	½
OPHTHALMOLOGY						
Eye 650.....	Eye	12	....	12	1
Eye 670.....	Eye Outpatient Clinic .....	....	....	24	1
OTOLARYNGOLOGY						
Ent 670.....	Ear, Nose & Throat Outpatient Clinic.....	....	....	36	1½
OBSTETRICS						
Obs 670.....	Obstetrics Outpatient Clinic .....	....	....	78	3½
Obs 671.....	Spec. Prob. in Obs. Outpatient Clinic.....	....	....	18	1
Obs 672.....	Postnatal Outpatient Clinic .....	....	....	18	1½
GYNECOLOGY						
Gyn 670.....	Gynecology Outpatient Clinic .....	....	....	48	2
Gyn 671.....	Gynecology Tumor Outpatient Clinic.....	....	....	24	1
PEDIATRICS						
Ped 670.....	Pediatric Outpatient Clinic .....	....	....	90	4
Ped 671.....	Pediatric Outpatient Specialty Clinic.....	....	....	120	5
		132	36	1,164	1,332	61½

Recapitulation

	Aggregate class hours				Term hours
	Lecture	Laboratory	Clinic	Total	
First year	384	864	....	1,248	56
Second year	504	612	72	1,188	62½
Third year	384	24	1,176	1,584	81½
Fourth year	132	36	1,164	1,332	61½
	1,404	1,536	2,412	5,352	261½

Prescribed Work by Departments

Preclinical

	Aggregate class hours
Anatomy.....	708
Bacteriology.....	216
Biochemistry.....	276
Clinical pathology.....	108
Pathology.....	216
Pharmacology.....	168
Physiology.....	288
Medical psychology.....	48
Public health.....	48
Total hours, preclinical.....	2,076

Clinical

Clinical pathology.....	12
Pathology.....	144
Medicine:	
General medicine.....	858
Dermatology.....	72
Neurology.....	12
Dental medicine.....	12
Psychiatry.....	228
Radiology.....	36
Public Health.....	108

Surgery:	
General surgery.....	530
Orthopedic surgery.....	122
Urology.....	110
Anesthesiology.....	36
Neurosurgery.....	24
Ophthalmology.....	48
Otolaryngology.....	48
Obstetrics.....	276
Gynecology.....	162
Pediatrics.....	438
Total hours, clinical.....	3,276
Total hours, prescribed work.....	5,352

An 414. Embryology. 4 hours winter.

Lectures on reproductive cycle, fertilization, normal and abnormal human development, correlated with the laboratory study of pig embryos and with demonstrations of human embryos and fetuses. Lectures and quizzes, 2 hours a week; laboratory, 6 hours a week. 96 hours.

An 415. Histology and Organology. 6 hours fall.

Systematic study of the microscopic anatomy of normal human tissues and organs. Lectures and laboratory exercises furnish an introduction to how cells contribute to tissue and organ function and to how the organs are assembled from tissues. Lectures and quizzes, 3 hours a week; laboratory, 9 hours a week. 144 hours.

An 511. Neurology and Organs of Special Senses. 4 hours spring.

Study of the structure and functions of the organs of special senses and of the central nervous system. This is accomplished by gross dissections and stained sections of the human brain, spinal cord, and organs of special senses. Pathological conditions illustrating lesions of the nervous system are demonstrated. Prerequisites: An 411, An 412, An 413, An 415. Lectures. 2 hours a week; laboratory, 6 hours a week. 96 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. 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 and Journal Club.** Any term, hours to be arranged.**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. Prerequisites: An 411, 412, 413.

An 611. Applied Anatomy. 2 hours.

The objective of this course is to present to a limited number of students (30-40) a review of human anatomy, with an anatomical consideration of the various regions of the body with reference to specific surgical problems. Embalmed and unembalmed cadavers used. Surface and radiological anatomy included. Prerequisites: An 411, 412, 413. Lectures and demonstrations, 2 hours a week; 24 hours.

Bacteriology

ARTHUR W. FRISCH, Chairman of Department

Professor

ARTHUR W. FRISCH

Associate Professors

EVELYN L. OGINSKY

LYLE VEAZIE

Assistant Professor

ERNEST A. MEYER

Fellow

NEAYLN VEDROS

Research Assistants

SANOMAR BARR

GORDON H. DAVIES

RUTH A. MYLLENBECK

DESCRIPTION OF COURSES

Student Assistants

FREDERIC C. HOESLY

CHARLES F. McMAHON

REQUIRED COURSES

SECOND YEAR

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

The material covered includes basic bacteriology, immunology, and pathogenic microbiology. Bacterial, viral, rickettsial, and fungal disease presented during the first 18 weeks. The last six weeks are devoted to the study of protozoan and helminthic parasites of man. Lectures and recitations, 3 hours a week; laboratory, 6 hours a week. 216 hours.

ELECTIVE COURSES

Bac 501. **Research in Bacteriology and Immunology.** Hours to be arranged.

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

Bac 507. **Seminar in Bacteriology and Immunology.** 1 hour any term.

Meetings of the departmental staff and assistants with a number of specially qualified students to discuss the newer developments in the science as they appear in the current periodical literature. Topics assigned and individual reports read at meetings of the class. Open to a limited number of students. Meetings held once each week for one hour.

Bac 508. **Advanced Bacteriology and Immunology.** Any term, hours to be arranged.

A course for medical, special, and graduate students who wish to pursue any phase of the subject beyond Bac 414. Organized courses in immunology and bacteriology are given every other year.

Biochemistry

EDWARD S. WEST, Chairman of Department

Professors

WILBERT R. TODD

EDWARD S. WEST

*Associate Professors*CLARISSA H. BEATTY
JACK H. FELLMANDAVID S. JACKSON
HOWARD S. MASON
RUTH D. PETERSONJOHN T. VAN BRUGGEN
DEMETRIOS A. RIGAS*Assistant Professors*RICHARD T. JONES
NICHOLAS E. KONTAXIS

NICHOLAS NICOLAIDES

ANNE M. PERLEY
ELLEN L. TALLMAN*Instructor*

ROSE MARY BOCEK

*Research Associates*BARRY ALLEN
SIMONE BOUCHILLOUX

DONALD E. PICKERING

PAUL Y. SAKAGISHI
TOSHIO YAMANO*Research Fellow*

E. A. KEAN

*Research Assistants*MARILUISE ALLEN
LESTER LAESTUENLAURENCE L. LAMBERT
P. MACMAHILLJEAN SCOTT
DOROTHY ST. HELEN*Student Assistants*LARRY T. BRICE
DAVID GAUDINRUSSELL MACDONALD
DANIEL W. NEBERTPAUL T. RUSSELL
PERRY R. SLOOP, JR.

REQUIRED COURSES

FIRST YEAR

BCh 411, 412. **General Medical Biochemistry.** 6 hours fall, 7 hours winter.

Organic and physical chemistry pertaining to biochemistry; the composition of tissues; enzymes, digestion, and absorption; detoxication; the chemistry of blood and respiration; hormones; metabolism; nutrition; the excretions. Fall: lectures, 4 hours a week; laboratory, 6 hours a week. Winter: lectures, 4 hours a week; laboratory, 9 hours a week. 276 hours.

ELECTIVE COURSES

BCh 501. **Biochemistry 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 512. **Biochemical Techniques.** Any term, hours to be arranged.

Preparation of selected substances of biochemical importance, selected methods of analysis, theory and use of radioisotopes, instrumentation. Assigned readings, lectures, and laboratory. Prerequisites: BCh 411, 412.

BCh 513. **Advanced Biochemistry.** Any term, hours to be arranged.

The more advanced phases of biochemistry, with special emphasis upon metabolic processes. Assigned readings and lectures. Prerequisites: BCh 411, 412.

BCh 514. **Chemistry of Bio-organic Substances.** Any term, hours to be arranged.

The composition and properties of substances important in biochemistry presented from the viewpoint of modern chemical and physical theories. Assigned readings and lectures. Prerequisites: BCh 411, 412.

Clinical Pathology

RAYMOND D. GRONDAHL, Chairman of Department

Professor

RAYMOND D. GRONDAHL

Associate Professor

TYRA T. HUTCHENS

Associate Clinical Professor

HOMER H. HARRIS

JAMES H. LIUM

Assistant Professors

MARTHA L. HAMILTON

GERALD J. LATTIG

Assistant Clinical Professors

MARLOWE DITTEBRANDT

EUGENE W. LANDRETH

Clinical Associate

JAMES S. ARNOLD

Instructor

MARY E. BAPTIST
(Medical Technology)

Clinical Instructors

NIGEL A. PICKERING

DAVID S. TAKALO

Research Fellows

JAMES L. BRAMHALL

JAMES E. HARRIS

Research Assistant

JEANNE CARROLL HOPKINS

Residents

MARGARET E. BERROTH
WILLIAM J. BRADY

RANDELL E. DAVIS
WOLFGANG HAUSER

VICTOR C. MARQUARDT, JR.
ROBERT M. PERLMAN

REQUIRED COURSES

SECOND YEAR

Pth 511. General Pathology. 5 hours fall.

General principles of disease. Study of prepared slides supplemented by experiments and study of selected autopsies by all students; fresh and museum specimens; Kodachrome slides and scopicon orientation. Lectures and recitations, 3 hours a week; laboratory, 6 hours a week. 108 hours.

Pth 512. General Pathology. 5 hours winter.

Same as Pth 511 except that disease is related to body systems. Lectures, 3 hours a week; laboratory, 6 hours a week. 108 hours.

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

Basic and practical consideration of diseases of female organs. Lectures, 1 hour a week; laboratory, 2 hours a week; 36 hours.

THIRD YEAR

Pth 515. Laboratory Neuropathology. 1½ hours spring.

Laboratory work and demonstrations dealing with inflammatory reactions and degenerative conditions, with emphasis on general paresis, tabes dorsalis, and brain tumors. Correlative lectures in neurophysiology and clinical neurology. Gross pathological specimens and demonstrations used in illustrating the diseases studied. Lectures, 1 hour a week; laboratory, 2 hours a week. 36 hours.

FOURTH YEAR

Pth 653. Forensic Medicine. 1 hour fall.

Lectures and demonstrations of medicolegal and allied subjects. 1 hour a week; 12 hours.

Pth 654. Oncology. 1 hour spring.

Systematic study of cancer. Historical development of knowledge; experimental development of cancer; characteristics of human cancer; statistical information; present cancer problems; recent developments; organizational attack; methods of diagnosis and therapy; patient's and physician's responsibilities. Round-table instruction with illustration. Lectures, 1 hour a week; laboratory, 1 hour a week. 24 hours.

Pth 655. Surgical Pathology. 1½ hours, one section each term.

Applications of pathology to immediate study of operatively removed tissues, correlating the clinical aspects of individual cases with pathologic findings; occasional comprehensive demonstrations. 3 hours a week; 36 hours.

ELECTIVE COURSES

Pth 501. Research. Any term, hours to be arranged.**Pth 505. Reading and Conference.** 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.

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 614. Attendance at Autopsies. Hours to be arranged.

Opportunity offered to students to elect autopsy attendance with instruction. Such students are required to assist and make detailed suggestions. Limited to 20 students.

DESCRIPTION OF COURSES

Pharmacology

NORMAN A. DAVID, Chairman of Department

Professors

NORMAN A. DAVID

ELTON L. MCCAWLEY

Assistant Clinical Professor

H. LENOX H. DICK

Research Associate

GEORGE A. PORTER

Research Assistant

STERLING M. SORENSON

Student Assistants

DAVID McCLURE

JAMES S. NOBLE

DONALD WEBER

REQUIRED COURSES

SECOND YEAR

Phc 511, 512. Systematic Pharmacology. 5 hours each term, winter and spring.

Lectures on the important therapeutic drugs listed in the U. S. Pharmacopoeia, National Formulary and those newer drugs described in the New and Non-Official Drugs for the current year. Lectures are correlated with the latest editions of the several most widely used textbooks of pharmacology. Classic experiments in pharmacology are performed by groups of students following prior demonstration of techniques and procedures. Several experiments are of the volunteer human-trial-of-drug types. Four laboratory sessions are devoted to clinical presentations dealing with case reports and therapeutic use of drugs in hospitalized and clinic patients. Prescription writing, pharmacy, and toxicology considered in both the lecture and laboratory work. Lectures, 4 hours a week; laboratory, 3 hours a week. 168 hours.

ELECTIVE COURSES

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

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

Phc 505. Reading and Conference. Any term, hours to be arranged.**Phc 507. Seminar.** 2 hours spring.

Open to third- and fourth-year students. 2 hours a week; 24 hours.

Physiology

JOHN M. BROOKHART, Chairman of Department

Professor

JOHN M. BROOKHART

Associate Professors

BENJAMIN B. ROSS

ROBERT E. SWANSON

JOSEPH B. TRAINER

Assistant Professors

ALFRED J. RAMPONE

W. ALDEN SPENCER

Instructor

EUGENE A. LENTINI

*Clinical Research Associates*GEORGE M. AUSTIN
MONTE A. GREER

WILLIAM L. HARTMANN

DONALD M. PITCAIRN
MOSES E. STEINBERG*Research Fellow*

KISOU KUBOTA

Student Assistants

WESLEY A. COOK, JR.

MYRON E. SHIRASU

REQUIRED COURSES

FIRST YEAR

Phy 411. **Human Physiology.** 8 hours spring.

Lectures, laboratory exercises, and conferences devoted to mammalian physiology, with special application to the human. Consideration 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, 5 hours a week; laboratory, 9 hours a week. 168 hours.

SECOND YEAR

Phy 412. **Human Physiology.** 6 hours fall.

Continuation of Phy 411. Special attention given to the functional interrelationships between respiratory, cardiovascular, and renal systems. The general and special senses and the regional physiology of the central nervous systems discussed. Appropriate laboratory exercises and conferences related to lecture material. Lectures, 4 hours a week; laboratory, 6 hours a week. 120 hours.

ELECTIVE COURSES

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

Prerequisite: Phy 411, 412.

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

Prerequisite: Phy 411, 412.

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

Prerequisite: Phy 411, 412.

Phy 514. **History of Physiology.** 1 hour winter.

One hour a week; 12 hours.

Clinical Departments

Medicine

HOWARD P. LEWIS, Chairman of Department

Professors

DAVID W. E. BAIRD
HERBERT E. GRISWOLD
HANCE F. HANEY

CHARLES N. HOLMAN
DANIEL H. LABBY
HOWARD P. LEWIS
WALTER C. LOBITZ

EDWIN E. OSGOOD
*ROY L. SWANK
JOHN R. WALSH

Clinical Professors

BLAIR HOLCOMB
LYLE B. KINGERY

MERL L. MARGASON
HOMER P. RUSH

THOMAS S. SAUNDERS
WILLIAM H. SHELDON

Associate Professors

JAMES H. AUSTIN
JOHN A. BENSON, JR.
RICHARD L. DOBSON
JARVIS GOULD

MONTE A. GREER
ROBERT D. KOLER
JAMES METCALFE
DONALD M. PITCAIRN
DEMETRIOS A. RIGAS
(Experimental Medicine)

LEONARD W. RITZMANN
ARTHUR J. SEAMAN
JOSEPH B. TRAINER
ZOLTON T. WIRTSCHAFER

* On leave of absence for Commonwealth Fund Fellowship at Physiologisch-Chemisches Institute, Joseph-Stelzmann-Str. 52, Cologne, Germany.

DESCRIPTION OF COURSES

Associate Clinical Professors

ISIDOR C. BRILL
FRANK W. CROWE
JOYLE DAHL
ROBERT S. DOW

GEORGE B. LONG
LEON F. RAY
MATTHEW C. RIDDLE

PHILIP SELLING
JOHN E. TUHY
FRANKLIN J. UNDERWOOD
SHELDON A. WALKER

Assistant Professors

DANIEL M. BACHMAN
JACK H. FELLMAN
(Neurochemistry)

MYRON R. GROVER, JR.
RICHARD T. JONES
ROBERT E. MASS
JAMES F. MORRIS

BERNARD PIROFSKY
JAMES T. SPEROS
JANICE R. STEVENS

Assistant Clinical Professors

GEORGE A. BOYLSTON
AUBREY M. DAVIS
WILLIAM P. GALEN
MORTON GOODMAN
HULDRIK KAMMER
FREDERICK A. J. KINGERY

JOHN J. KRYGIER
ERNEST T. LIVINGSTONE
JOHN CLIFTON MASSAR
ROY R. MATTERI
DONALD E. OLSON

FRANK PERLMAN
LEONARD B. ROSE
EDWARD E. ROSENBAUM
MARVIN SCHWARTZ
WILLIAM J. SWETT
CHARLES P. WILSON

Associates

PETER J. GALANTE

LOUIS LINO

FREDERIC W. SMITH

Clinical Associates

KURT W. AUMANN
ARTHUR W. BERG
EDMUND H. BERGER
ARTHUR M. BERGMAN
PAUL R. BURGNER
C. CONRAD CARTER
CHARLES W. COFFEN
WILLIAM COHEN
RUDOLPH M. CROMMELIN
DONALD E. FORSTER
MARVIN C. GOLDMAN
THOMAS S. HEALY
MARCUS M. HORENSTEIN

JAY C. HOYT
WILLIAM W. HURST
RICHARD H. KOSTERLITZ
MARION L. KRIPPAEHE
WALTER J. KUHLE, JR.
WILBUR L. LARSON
AARNE J. LINDGREN
CHARLES E. LITTLEHALES
LENIER ARTHUR LODMELL
LAURENCE E. MACDANIELS
GORDON L. MAURICE
GUY R. MCCUTCHEAN

RAYMOND A. McMAHON
NORBERT E. MEDVED
JOHN J. MURPHY
OTTO C. PAGE
JOSEPH F. PAQUET
JOHN W. PARTRIDGE
HEYES PETERSON
ROBERT E. RINEHART
GEORGE M. ROBBINS
WILLIAM C. SCOTT
JOHN L. SOELLING
JOHN W. STEPHENS
DAVID K. TAYLOR

Instructors

MICHAEL D. BAIRD

ROBERT H. BIGLEY

ROBERT D. MICHEL

Clinical Instructors

SAMUEL T. BEALL
WILLIAM S. BECK
*JOHN A. BLANCHARD
J. DAVID BRISTOW
RICHARD B. BYRD
JOHN D. CHASE
BRUCE R. CHENOWETH
CONRAD A. DELATEUR
ESTIL N. DIETZ
HAROLD P. DYGERT, JR.
STELLA FISHER
JOHN R. FLANNERY
DAVID C. FRITSCH
LEONARD M. GOLDBERG
ROBERT L. HARE
LEWIS J. KRAKAUER

MERLE M. KURTZ
WILLIAM M. LAIDLAW
L. WILLIAM LARSON
RAY S. LOBB
STEPHEN W. MAKES
HARRY W. MASENHIMER
DONALD P. MCGREEVEY
RUTH L. MERCER
(Dietetics)
THOMAS E. MORRIS
JOHN D. O'HOLLAREN
ROY A. PAYNE
CARL A. PETERSON
CHARLES T. PINNEY
ROBERT G. PITTENGER
RALPH B. REAUME

PHILLIP J. REILLY
JAMES A. REILLY
WAYNE R. ROGERS
BEATRICE K. ROSE
BERNARD F. RYAN
HERBERT J. SEMLER
WILL L. SENDERS
JOHN M. SHAW
GEORGE V. SQUIRE
JOHN H. STALNAKER
RALPH R. SULLIVAN
CHARLES W. WATKINS
WARREN S. WELBORN
CELOUS L. WILLIAMS, JR.
GORDON T. WOLFE
JAMES V. WOODWORTH

Research Assistants

BELLE DRAGOON

SOSAMMA JOHN

Fellow

DOUGLAS R. BOTTOMLY

Residents

JODY ANDERSON
ERNEST J. BENNER
WILLIAM E. DRIPPS, JR.
ELDON L. ERICKSON

JOHN C. FLETCHER
RICHARD L. GRANT
FOSTER F. KEENE
WALTER E. MEINHOFF

CLIFFORD S. MELNYK
HENRY G. SCHMITT
AGNAR A. STRAUMFJORD
WESLEY W. WILSON

* On leave of absence for Senior Fellowship, Cardiovascular Institute, University of California Medical School, San Francisco, California.

Allergy

FRANK PERLMAN, Head of Division

Assistant Clinical Professors

ROY R. MATTERI

FRANK PERLMAN

Clinical Associate

GEORGE M. ROBBINS

Clinical Instructors

GEORGE V. SQUIRE

GORDON T. WOLFE

Cardiology

HERBERT E. GRISWOLD, Head of Division

Professors

HERBERT E. GRISWOLD

HANCE F. HANEY

Clinical Professor

HOMER P. RUSH

Associate Professors

JAMES METCALFE

LEONARD W. RITZMANN

Associate Clinical Professors

ISIDORE C. BRILL

PHILIP SELLING

FRANKLIN J. UNDERWOOD

Assistant Clinical Professors

AUBREY M. DAVIS
WILLIAM P. GALEN

LEONARD B. ROSE

MARVIN SCHWARTZ
WILLIAM J. SWETT

Clinical Associates

EDMUND H. BERGER

CHARLES W. COFFEN
WILLIAM W. HURST

GORDON L. MAURICE

Clinical Instructors

LEONARD M. GOLDBERG

JAMES A. RILEY

WAYNE R. ROGERS

Fellows

WALDO E. HARRIS

GEORGE A. PORTER

DONALD W. SUTHERLAND

Chest Diseases

DONALD M. PITCAIRN, Head of Division

Associate Professor

DONALD M. PITCAIRN

Associate Clinical Professor

JOHN E. TUHY

Assistant Professors

JAMES F. MORRIS

JAMES T. SPEROS

Assistant Clinical Professor

DONALD E. OLSON

Associate

PETER J. GALANTE

Clinical Associate

WILLIAM COHEN

Instructor

ROBERT D. MICHEL

Clinical Instructor

CHARLES T. PINNEY

Diabetes and Metabolism

DANIEL H. LABBY, Head of Division

Professor

DANIEL H. LABBY

DESCRIPTION OF COURSES

RUDOLPH M. CROMMELIN	<i>Clinical Associates</i>	
	MARCUS M. HORENSTEIN OTTO C. PAGE	JOHN W. STEPHENS
	<i>Clinical Instructor</i>	
	ROBERT L. HARE	
	<i>Research Fellow</i>	
	THOMAS W. DAVIS	
	<i>Research Associates</i>	
JACK H. HUTCHINSON		RUSSELL L. JOLLY
	<i>Research Assistant</i>	
	JAMES C. BOND	

Endocrinology

MONTE A. GREER, Head of Division

Professor

DANIEL H. LABBY

Associate Professor

MONTE A. GREER

Assistant Clinical Professors

HULDRICK KAMMER

ERNEST T. LIVINGSTONE

Clinical Associate

KURT W. AUMANN

Clinical Instructor

WILLIAM M. LAIDLAW

Gastroenterology

JOHN A. BENSON, JR., Head of Division

Associate Professor

JOHN A. BENSON, JR.

Associate Clinical Professor

GEORGE B. LONG

Assistant Clinical Professors

GEORGE A. BOYLSTON

JOHN J. KRYGIER

Associate

FREDERIC W. SMITH

*Clinical Associates*MARVIN C. GOLDMAN
THOMAS S. HEALYLENIER ARTHUR LODMELL
NORBERT E. MEDVEDHEYES PETERSON
JOHN L. SOELLING*Clinical Instructor*

LEWIS J. KRAKAUER

Hematology

EDWIN E. OSGOOD, Head of Division

Professor

EDWIN E. OSGOOD

Associate Professors

ROBERT D. KOLER

DEMETRIOS A. RIGAS
(Experimental Medicine)

ARTHUR J. SEAMAN

Assistant Professors

RICHARD T. JONES

ROBERT E. MASS

BERNARD PIROFSKY

Instructor

ROBERT H. BIGLEY

Clinical Instructor

ROBERT G. PITTENGER

MEDICINE

77

Research Associate
JOHN H. BROOKE
Research Assistant
PATRICIA VANBELLINGHEN

Residents

RICARDO IGNACIO

HUGH B. JOHNSTON

Neurology

*ROY L. SWANK, Head of Division

Professor

*ROY L. SWANK

Clinical Professor

MERL L. MARGASON

Associate Professor

JAMES H. AUSTIN

Associate Clinical Professor

ROBERT S. DOW

Assistant Professors

JAMES H. FELLMAN
(Neurochemistry)

JANICE R. STEVENS

Associate

LOUIS LINO

Clinical Associate

C. CONRAD CARTER

Clinical Instructor

PHILIP J. REILLY

Research Associates

THOMAS FUGITA

AAGOT GRIMSGAARD

Research Fellows

YUTAKA NAKAMURA

GEORGE A. PORTER
HIDEO YAMAMOTO

ANAN H. ADAMS
VICTOR MILSTEIN

Lecturer

LARRY MILLS

Resident

ALAN H. ADAMS

Dermatology

WALTER C. LOBITZ, JR., Head of Division

Professor

WALTER C. LOBITZ, JR.

Clinical Professors

LYLE B. KINGERY

THOMAS S. SAUNDERS

Visiting Research Professor

YUSHO MIURA

Associate Professor

RICHARD L. DOBSON

Associate Clinical Professors

FRANK W. CROWE

JOYLE DAHL
SHELDON A. WALKER

LEON F. RAY

Assistant Clinical Professors

FREDERICK A. J. KINGERY

JOHN CLIFFTON MASSAR

* On leave of absence for Commonwealth Fund Fellowship at Physiologisch-Chemisches Institute, Joseph-Stelzmann-Str. 52, Cologne, Germany.

DESCRIPTION OF COURSES

*Clinical Instructors*BRUCE R. CHENOWETH
CONRAD A. DELATEURDAVID C. FRISCH
BERNARD F. RYAN
JOHN M. SHAWRALPH R. SULLIVAN
CHARLES W. WATKINS*Research Associates*

DORIS E. BROPHY

NICHOLAS NICOLAIDES

Research Assistants

MARY C. CAMPBELL

FRANCES DIACK

ELIZABETH HAINES

*Residents*LARRY BOSLEY
HUBERT D. CHINNALBERT E. LARNER
WILBUR G. LARSENMYRON MEANS
MAURICE K. ROSKELLEY**Dental Medicine**

HAROLD J. NOYES, Head of Division

Clinical Professor

HAROLD J. NOYES

Clinical Associates

JAN J. MUELLER

DONALD R. PORTER
NORMAN H. RICKLES

WILBUR N. VAN ZILE

Clinical Instructors

ROBERT J. BRUCKNER

JOHN PAUL JARABAK
DUANE R. PAULSON

BHIM S. SAVARA

Internal Medicine

REQUIRED COURSES

SECOND YEAR

Med 612, 613, 614. **Physical Diagnosis.** 3 hours each term.

Systematic lectures on the principles of history taking, physical examination and the pathophysiological basis for physical signs. Lectures, patient demonstrations, technique practice sessions, and ward rounds. Lectures, 2 hours a week; demonstrations, 2 hours a week. 144 hours.

THIRD YEAR

Med 615, 616, 617. **Lectures on Internal Medicine.** 2 hours each term.

Discussions of the broad principles and concepts concerned with the recognition and treatment of medical disorders. 72 hours.

Med 630. **Clinical Clerkship.** 13 hours, one section each term.

One-third of the class is assigned to the medical services of Multnomah, Medical School and Veterans hospitals for one term in rotation, for the purpose of case study, ward and teaching rounds, and clinical conferences. Students also study selected psychiatric problems with the Department of Psychiatry (see Ps 630). 312 hours.

FOURTH YEAR

Med 650, 651, 652. **General Clinical Conference.** $\frac{1}{2}$ hour each term, two terms; $\frac{1}{4}$ hour one term.

Presentation and discussion of basic problems in clinical medicine by all departments of the Medical School. 30 hours.

Med 653, 654, 655. **Conference on Medical Therapy.** $\frac{1}{2}$ hour each term.

Conferences on therapy. 1 hour a week; 36 hours.

Med 656. **Allergy.** 1 hour fall.

Lectures on the nature and fundamental causes of the allergic state, and on the manifestations and treatment of allergic diseases. 1 hour a week; 12 hours.

- Med 657. **Occupational Medicine.** 1 hour spring.
Lectures and demonstrations dealing with important industrial health hazards and diseases. 1 hour a week; 12 hours.
- Med 658. **Medical Economics.** 1 hour spring.
Series of lectures concerning the economic, sociological, legal and other problems connected with the practice of medicine. Lectures, 1 hour a week; 12 hours.
- Med 670. **Medical Outpatient Clinic.** 5 hours, one section each term.
Diagnosis and treatment of ambulant medical patients under supervision. 10 hours a week; 120 hours.
- Med 671. **Gastroenterology Outpatient Clinic.** ½ hour, one section each term.
Outpatient Clinic clinical conferences. 2 hours a week for six weeks; 12 hours.
- Med 672. **Diabetes and Metabolism Outpatient Clinic.** ½ hour, one section each term.
Outpatient Clinic clinical conferences. 2 hours a week for six weeks; 12 hours.
- Med 673. **Endocrinology Outpatient Clinic.** ½ hour, one section each term.
Outpatient Clinic clinical conferences. 2 hours a week for six weeks; 12 hours.
- Med 674. **Cardiovascular Renal Outpatient Clinic.** ½ hour, one section each term.
Outpatient Clinic clinical conferences. 2 hours a week for six weeks; 12 hours.
- Med 675. **Chest Disease Outpatient Clinic.** ½ hour, one section each term.
Outpatient Clinic clinical conferences. 2 hours a week for six weeks; 12 hours.
- Med 676. **Allergy Outpatient Clinic.** ½ hour, one section each term.
Outpatient Clinic clinical conferences. 2 hours a week for six weeks; 12 hours.
- Med 677. **Hematology Outpatient Clinic.** ½ hour, one section each term.
Outpatient Clinic clinical conferences. 2 hours a week for six weeks; 12 hours.
- Med 678. **Tuberculosis Outpatient Clinic and Clerkship.** 1 hour, one section each term.
Case studies, clinical conferences and X-ray conferences concerning patients in the Tuberculosis Hospital and Tuberculosis Outpatient Clinic. 2 hours a week; 24 hours.

ELECTIVE COURSES

- Med 501. **Research in Hematology.** Any term, hours to be arranged.
- Med 505. **Reading and Conference.** Any term, hours to be arranged.
For third- and fourth-year students. Arrangements may be made with the head of a division of internal medicine.
- 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 chief of the division.
- Med 605. **Reading and Conference: Chest Diseases.** Any term, hours to be arranged.
Conference with the medical resident and staff for the presentation of cases of special interest in the Hospital and Chest Outpatient Service, supplemented by cases from private practice which present current difficult problems in diagnosis and treatment.
- Med 605. **Reading and Conference: Cardiology.** Any term hours to be arranged.
- Med 607. **Seminar in Medicine.** Any term, hours to be arranged.

- Med 690. **Medical Outpatient Clinic.** Any term, hours to be arranged in accordance with the requirements of the regular Outpatient Clinic course.
(Fourth year.) Elective credit for completion of clinical work in the department in addition to that required in the regular Outpatient Clinic course.
- Med 691. **Tuberculosis Control Outpatient Clinic for Children.** $\frac{1}{2}$ hour, one section each term.
Demonstrations and conferences; primary tuberculosis in children. (Fourth year.) 2 hours a week for 6 weeks; 12 hours.
- Med 692. **Ward Rounds in Endocrinology.** 1 hour, any term.
(Fourth year.) Examination and discussion of hospitalized patients with endocrine disease in Multnomah Hospital and Medical School Hospital. Limited to 4 students. 2 hours a week for 12 weeks; 24 hours.
- Med 693. **Rheumatology Outpatient Clinic.** 1 hour each term.
Outpatient Clinic. Clinical conferences and demonstrations. Limited to 20 students a term. 2 hours a week; 24 hours.
- Med 694. **Renal Rounds.** 1 hour, one section each term.
Intensive study of selected cases of renal disease in the Multnomah and Medical School Hospitals. Students work in pairs and study assigned patients. Conferences and discussions concerning the diagnosis, treatment, and basic mechanisms of the disorders of these and other similar patients conducted on rounds. Patient study 2 hours a week at any convenient time; rounds 2 hours a week; 48 hours.
- Med 695. **Fundamental Aspects of Disease.** 1 hour winter.
Lectures and discussions presenting concepts of disease that have developed from advances in basic and clinical research; principles upon which contemporary research in medical science is based; discussions of current investigation of major disease processes. 1 hour a week; 12 hours.
- Med 696. **Special Case Studies in Medicine.** Any term, hours to be arranged.
Students may elect to make detailed studies and reports of selected cases in the fields of cardiovascular, pulmonary, endocrinological and metabolic diseases.
- Med 697. **Hematological Cell Identification.** $\frac{1}{2}$ hour any term.
Students taught cell identification by actual study of slides under supervision. Maximum of 5 students for three weekly sessions. Given four times each term. 1 hour a week for 3 weeks; 3 hours.
- Med 698. **Case Conference.** 1 hour any term.
Analysis of selected case material, utilizing new and selected techniques in the study of pulmonary disease. 2 hours a week; 24 hours.

Neurology

REQUIRED COURSE

FOURTH YEAR

- Neu 670. **Neurology Outpatient Clinic.** $\frac{1}{2}$ hour, one section each term.
Outpatient Clinic clinical conferences. 2 hours a week for 6 weeks; 12 hours.

ELECTIVE COURSES

- Neu 691. **Neurology Conference.** 1 hour any term.
(Fourth year.) Combined conference including neurology, neurosurgery, neuro-ophthalmology and neuroradiology. Limited to 10 students. 2 hours a week; 24 hours.
- Neu 692. **Experimental Neurology.** Hours to be arranged, any term.
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.

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

Dermatology

REQUIRED COURSES

THIRD YEAR

Derm 615, 616, 617. **Lectures and Demonstrations in Dermatology.** 1 hour each term.

Presentation of clinical cases, with detailed discussion of etiology, symptomology, and differential diagnosis. 1 hour a week; 36 hours.

FOURTH YEAR

Derm 670. **Dermatology Outpatient Clinic.** 1½ hours, one section each term.

Utilization of outpatient material; clinical and microscopic diagnostic procedures; general therapy. 6 hours a week for 6 weeks; 36 hours.

Dental Medicine

REQUIRED COURSE

FOURTH YEAR

DM 650. **Dental Facial Growth and Oral Pathology.** 1 hour winter.

Designed to give the medical student a survey of facial growth and oral disease, with discussion of specific diagnostic criteria and treatment of the more common lesions. Coordinated lectures and textbook reading on: Disturbances of oral and facial growth; oral and facial pain; dental caries; pulpitis and periapical pathology; differential diagnosis of radiolucencies in the jawbones; diagnosis of common oral conditions.

Psychiatry

GEORGE SASLOW, Chairman of Department

Professor

GEORGE SASLOW

Clinical Professors

HENRY H. DIXON

MAXWELL S. JONES

Associate Clinical Professor

HERMAN A. DICKEL

Assistant Professors

PAUL H. BLACHLY
JOHN L. BUTLER

LENA KENIN

I. JOYCE SMALL
IVER F. SMALL

Assistant Clinical Professors

JAMES F. CARLIN

KENNETH D. GAVER
GERHARD B. HAUGEN

JAMES G. SHANKLIN

Clinical Instructors

SIEGFRIED R. BERTHELSDORF
HENRY H. DIXON, JR.
DONALD MCKINLEY

DUNCAN A. McLAUCHLAN
C. RUSSELL PARKER
WAYNE M. PIDGEON

WILLIAM W. THOMPSON
JOSEPH H. TRELEAVEN
JOHN H. WATERMAN

Residents

DONALD D. DENNEY
MARY ANNE DE WITT
VICTOR GREGORY

JOSEPH T. MCKINNEY
THOMAS E. MILLER

RICHARD H. PHILLIPS
ARLEN QUAN
ROSS L. SNYDER, JR.

Child Psychiatry*Associate Clinical Professor*

CHARLES BRADLEY

Assistant Professor

EUGENE E. TAYLOR

Assistant Clinical Professor

CARL V. MORRISON

Instructor in Psychiatric Social Work

THELMA M. DANILSON

Clinical Instructors

ALLEN H. PARKER

SUE A. WARREN

ARTHUR N. WIENS

Research Assistants

BERNADENE ALLEN

MARION CRITES

BURT E. LAVACEK

Fellows

JOSIAH B. DODDS

CONSTANCE HANF

EVALYN TAYLOR

EILEEN A. LARSEN

Student Assistants

RICHARD H. JOHNSON

DELBERT M. KOLE

WILLIAM G. PRESCOTT

ROBERT E. KRAMER

REQUIRED COURSES**SECOND YEAR**

Ps 511, 512. **Interviewing Techniques and Psychiatric Medicine.** 2 hours each term, fall and winter.

Lectures, clinical demonstrations, and student discussions designed to help in the acquisition of basic skills in interviewing, history taking, and the evaluation of patients as persons in a social environment. Differential diagnostic descriptions of the major psychiatric entities conclude the course. 3 hours a week; 72 hours.

THIRD YEAR

Ps 615. **Child Psychiatry.** 1 hour spring.

Planned to acquaint students with practical aspects of diagnosis and treatment of common emotional, behavior, and learning problems of children. 1 hour a week; 12 hours.

Ps 630. **Clinical Clerkship.** 3 hours, one section each term.

Emphasis on the diagnosis and treatment of a wide variety of medical and psychiatric inpatient problems. 6 hours a week during the clerkship in medicine; 72 hours.

FOURTH YEAR

Ps 670. **Psychiatry Outpatient Clinic Clerkship.** 3 hours, one section each term.

Supervised experience in interviewing, evaluating, and initiating treatment of patients referred to the Psychiatry Clinic. Lectures and demonstrations dealing with the problems of psychiatric therapy. 6 hours a week; 72 hours.

ELECTIVE COURSES

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

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

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

Medical Psychology

JOSEPH D. MATARAZZO, Chairman of Department

Professor

JOSEPH D. MATARAZZO

RADIOLOGY

83

Assistant Professors

JOHN O. KANGAS

RUTH G. MATARAZZO
JEANNE S. PHILLIPS

RICHARD F. THOMPSON

Instructors

BRUCE V. BUTLER

HARRY L. SASLOW

MORRIS WEITMAN

REQUIRED COURSES

FIRST YEAR

Med Ps 411, 412. **Introduction to Medical Psychology.** 2 hours each term, winter and spring.

An introductory course including lectures, student discussion, and clinical and experimental demonstrations designed to familiarize the student with psychology as the scientific base of psychiatry. 2 hours a week; 48 hours.

ELECTIVE COURSES

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

Prerequisite: Med Ps 411, 412.

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

Prerequisite: Med Ps 411, 412.

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

Prerequisite: Med Ps 411, 412.

Emotion, Motivation and Physiological Psychology.
History and Systems of Psychology.

Theories of Personality.

Learning.

Statistics and Research Design.

Radiology

CHARLES T. DOTTER, Chairman of Department

Professor

CHARLES T. DOTTER

Clinical Professors

CLIFFORD V. ALLEN
(Radiotherapy)

WILLIAM Y. BURTON

Associate Professors

JAMES B. HAWORTH

VINCENT C. HINCK

Associate Clinical Professors

LOUIS H. FRISCHE

SELMA HYMAN

J. ROBERT LEE

Assistant Professor of Radiological Technique

HILDA E. DRUM

Assistant Clinical Professors

WAYNE G. ERICKSEN
MILTON D. HYMAN

JOHN WAYNE LOOMIS

JAMES R. RAINES
FRED C. SHIPPS

Clinical Associates

ARTHUR F. HUNTER

SHERMAN E. REES

IVAN M. WOOLLEY

Instructors

MARCIA K. BILBAO

KURT R. STRAUBE

Clinical Instructors

IRVING J. HOROWITZ
JOHN L. HOWIESON
ROBERT S. MILLER

HARRY NEWMAN
GREGORY B. NICHOLS

ARTHUR L. OVREGAARD
GEORGE F. SATTERWHITE
WALTER R. STAHL

Residents

NORMAN A. AARESTAD
WERNER G. BERROTH
JOHN C. ENGLISH

JOHN THOMAS JENKINS
MELVIN P. JUDKINS

JOHN C. McMILLAN
MERLE M. MOBERLY
GERALD L. WARNOCK

DESCRIPTION OF COURSES

REQUIRED COURSES

THIRD YEAR

Rad 615, 616, 617. **Radiographic Diagnosis.** 1 hour each term.

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, radiotherapy, radiation hazard and protection. 1 hour a week; 36 hours.

ELECTIVE COURSE

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

(Third or fourth year.) Practical experience derived from interpretation of cases from the current files; correction and discussion of student's reports at weekly seminar, final dictation by members of staff. Limited to six students.

Public Health and Preventive Medicine

ADOLPH WEINZIRL, Chairman of Department

Professor

ADOLPH WEINZIRL

Assistant Clinical Professor

RICHARD H. WILCOX

Instructor

RICHARD L. LESSEL

Clinical Instructors

F. SYDNEY HANSEN

THOMAS L. MEADOR

SAMUEL B. OSGOOD

REQUIRED COURSES

FIRST YEAR

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

Introduction to the principles of scientific method and statistical reasoning useful in the practical problems of medical research, practice, and administration. Lectures, 1 hour a week; laboratory, 3 hours a week. 48 hours.

SECOND YEAR

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

Clinical and epidemiologic aspects of communicable diseases, correlated with bacteriology. Lectures and recitations, 1 hour a week; 12 hours.

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

Principles of epidemiology illustrated by clinical and epidemiologic aspects of common communicable and other diseases. Lectures and recitations, 2 hours a week; laboratory or clinic, 3 hours a week. 60 hours.

THIRD YEAR

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

The general principles of public health activities; control of communicable diseases; organization of Federal, state, local, and other health agencies; elements of infant, school, and industrial hygiene; vital statistics. Lectures, recitations, and discussions. 3 hours a week; 36 hours.

ELECTIVE COURSES

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

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

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

Surgery

J. ENGLEBERT DUNPHY, Chairman of Department

General Surgery

Professors

J. ENGLEBERT DUNPHY

CLARE G. PETERSON

Clinical Professors

JOHN C. ADAMS

ARTHUR C. JONES
(Physical Medicine)

MILLARD S. ROSENBLATT

Associate Professor

WILLIAM W. KRIPPAEHN

*Associate Clinical Professors*ALLEN M. BOYDEN
LESTER R. CHAUNCEY
WILLIAM S. CONKLINCLIFFORD E. HARDWICK
MATTHEW MCKIRDIE
OLIVER M. NISBETEDWARD W. ST. PIERRE
ROBERT A. WISE*Assistant Professors*

STANLEY W. JACOB

ALBERT STARR

R. MARK VETTO

*Assistant Clinical Professors*MARTIN A. HOWARD
RUSSELL L. JOHNSRUD
JOHN F. KANEDONALD R. LAIRD
LAWRENCE M. LOWELLJOSEPH W. NADAL
JOHN P. TROMMALD
WERNER E. ZELLER*Clinical Associates*HARVEY W. BAKER
JOHN W. BASSETT
ADALBERT G. BETTMAN
DARRELL C. BOLLAM
JOHN G. P. CLELANDARCH DIACK
THOMAS J. FOX
WILLIAM M. GARNJOBST
JOHN M. GUISS
RUSSELL G. GUSTAVSON
ROBERT W. MARCUMJ. KARL POPPE
JOSEPH M. ROBERTS
DAN M. STEFFANOFF
EDWARD E. WAYSON
NATHANIEL D. WILSON*Instructors*

WILLIAM S. FLETCHER

ROBERT F. FORAN
JAMES H. FOSTER

DAVID F. HICKOK

*Clinical Instructors*JACK E. BATTALIA
HARRY G. BECKWITH
FREDERIC H. BENTLEY
STANLEY F. BERQUIST
NATHAN J. CAMPBELL
KEITH M. CLISBY
HUGH DONALD COLVER
PETER DEWITT
ZANLEY C. EDELSON
LESTER H. EISENDORF
LEROY E. GROSHONG
J. GORDON GROUT
BERNARD P. HARPOLE
JOHN F. HAYESTOSHIO INAHARA
RODERICK L. JOHNSON
REINHOLD KANZLER
ROBERT W. KENDALL
G. PRENTISS LEE
VERNER V. LINDGREN
RICHARD H. LINDQUIST
R. KENT MARKEE
WILLARD L. MATHIESON
COLIN W. MCCORD
DAVID B. MILLER, JR.
RAYMOND E. MOORE
(Physical Medicine)
H. MINOR NICHOLS
ROBERT W. PATTONIRVING PUZISS
MELVIN M. REEVES
WALTER C. REINER
EDWARD E. RIPPY
WILLARD D. ROWLAND
NATHAN SHLIM
PHILIP A. SNEDECOR
CHARLES H. SPARKS
EUGENE S. SULLIVAN
WILLIAM R. SWEETMAN
ROBERT H. TINKER
ALVIN O. UHLE
JAMES W. WILEY
GREGG D. WOOD*Research Fellows*

ULRICH FREIHOFFER

M. I. RASTEGAR

FREDERICK O. STEPHENS

*Residents*WALTER F. ALEXANDER, JR.
JOHN C. BIGELOW
DAVID BLUMEN
JAMES J. CHANDLER
DONALD L. CLELAND
DANIEL L. DENNISTHOMAS K. HUNT
RICHARD A. KINGSBURY
FERNANDO Q. LEON
GARY H. LEAVERTON
JOSEPH M. MURPHY
U. SCOTT PAGE
KEITH A. ROBERTSONRICHARD C. ROGERS
RICHARD G. SANDERSON
LESTER J. SCHWAEGLER, JR.
GEORGE D. STEWART
ROBERT L. WEBB
JAMES A. WOOD

Orthopedic Surgery

WILLIAM E. SNELL, Head of Division

Clinical Professors

HARRY C. BLAIR

C. ELMER CARLSON

LEO S. LUCAS

DESCRIPTION OF COURSES

Associate Professor

WILLIAM E. SNELL

Associate Clinical Professors

E. GEORGE CHUINARD

JOE B. DAVIS
LAWRENCE NOALL

FRANK B. SMITH

*Assistant Clinical Professors*JOHN F. ABELE
RODERICK E. BEGG

RICHARD F. BERG

HAROLD E. DAVIS
GURNEY A. KIMBERLEY*Clinical Associates*GEORGE W. COTTRELL
JOSEPH H. GILL
RICHARD J. HOPKINSORVILLE N. JONES
LAURENCE R. LANGSTONJAMES A. MASON
FAULKNER A. SHORT
DONALD B. SLOCUM*Instructor*

RODNEY K. BEALS

*Clinical Instructors*THOMAS J. BOYDEN
ROBERT E. BUCKMASTER
PAUL CAMPBELL
WINFRED H. CLARKE
HOWARD L. CHERRY
LAURENCE J. COHENCHARLES A. FAGAN
H. FREEMAN FITCH
ROBERT J. FRY
CALVIN E. GANTENBEIN
JOHN HARDERCALVIN H. KIEST
FRANK E. McCASLIN, JR.
ROLLAND C. MERRIFIELD
SAMUEL OSBORN
ROBERT M. RANKIN
EDWIN G. ROBINSON*Residents*ROBERT F. CORRIGAN
ARTHUR L. ECKHARDT
NORMAN D. LOGANDONN K. McINTOSH
RICHARD L. MERCERMICHAEL R. RASK
KEITH TAYLOR
RICHARD C. ZIMMERMAN**Urology**

CLARENCE V. HODGES, Head of Division

Professor

CLARENCE V. HODGES

Clinical Professor

JOHN R. HAND

Associate Clinical Professors

J. SCOTT GARDNER

THOMAS R. MONTGOMERY

Assistant Clinical Professor

ROBERT B. HIGGINS

Clinical Associates

THOMAS A. DAVIS

JOHN F. LARSELL

THEODORE H. LEHMAN

Instructor

ANIS M. BEHNAME

*Clinical Instructors*G. DONALD BEARDSLEY
CHARLES E. CATLOW, JR.
EMERSON J. COLLIER
CHARLES FERGUSONROBERT B. GREENE, JR.
SABERT A. HOTT, JR.
CURTIS A. MACFARLANE
ROBERT J. MOOREDAVID P. PAULL
ARNOLD RUSTIN
GERALD W. SCHWIEBINGER
JOHN G. VANDENBERG*Residents*JERRY D. GIESY
GERALD N. HECKER
ROBERT L. KALEZROBERT C. LOOMIS
JOHN M. OCKERIVAN L. SANDOZ
RALPH V. STAGNER
JOHN H. STONE**Anesthesiology**

FREDERICK P. HAUGEN, Head of Division

Professor

FREDERICK P. HAUGEN

Assistant Professors

JOHN CLARENCE ROTH

REX J. UNDERWOOD

*Clinical Instructors*JOHN O. BRANFORD
DONALD M. BRINTONDONALD P. DOBSON
J. COLEMAN EDWARDSJAMES V. HARBER
PAUL E. SCHAFF*Residents*ANNELENE J. AMIRANA
RICHARD W. CAUTHORN
ROY M. CLARKCLAYTON H. DE BRUIN
JAMES A. FRASER
DAVID GOWINGJOANNE JENE
EVERETT E. JONES
LAWRENCE A. SWETLAND**Neurosurgery**

GEORGE M. AUSTIN, Head of Division

Professor

GEORGE M. AUSTIN

Clinical Professor

JOHN RAAF

Clinical Associates

EDWARD W. DAVIS

EDWARD K. KLOOS

KENNETH E. LIVINGSTON

Instructors

JOHN GORDON ROTH

CHEN I. TSAI

Clinical Instructors

JOHN P. DENNIS

RAY V. GREWE
BRUCE N. KVERNLAND

HAROLD D. PAXTON

*Residents*WALEED N. AMRA
CARL J. BELBERLEWIS J. BROWN
MOHAMMED RAFIULLAHAL H. KUYKENDALL
SHOKEI YAMADA**General Surgery**

REQUIRED COURSES

SECOND YEAR

Sur 610, 611. Introduction to Surgery. 1 hour each term, winter and spring.

Designed to give the student an appreciation of surgery, the history of its achievements and its limitations, the principles and underlying surgical techniques, and the application of the basic sciences to surgical practice. Lectures, 1 hour a week; 24 hours.

Sur 612. Healing Processes. 1 hour spring.

The reaction of soft parts and bone to injury, infection, and tumors; the principles of surgical treatment. Lectures, 1 hour a week; 12 hours.

THIRD YEAR

Sur 617, 618. Lectures on Surgery. 1 hour each term, fall and winter.

A systematic lecture survey of surgical conditions, with emphasis on pathophysiologic process, the essentials of clinical diagnosis, and the physiologic, biochemical, and anatomical basis for therapy. 1 hour a week; 24 hours.

Sur 630. Clinical Clerkship. 8 hours, one section each term.

Orientation lecture, case discussion, and instruction in the methods of physical examination and history taking. Work at the bedside in the examination of the surgical patient. Emphasis throughout is placed on individual instruction or instruction in small groups. One-third of the class is assigned, by groups, to the surgical services of Multnomah Hospital, the Medical School Hospital, and the Veterans Hospital for one term. 200 hours.

Sur 631. Surgery Clerkship-Clinic. 2 hours, one section each term.

Clinics and demonstrations to familiarize the student with the techniques of examination and the diagnostic procedures used in general surgery. A correlative clinic given in connection with inpatient clerkship work. 4 hours a week; 48 hours.

FOURTH YEAR

Sur 650. **Surgical Conference.** 1 hour, winter term.

An integrated sequence of lecture-demonstrations on trauma, including the following subjects: evaluation of the multiple-injury case, priorities in treatment, resuscitation and anesthesia, the lesions of war in wound treatment, craniocerebral injury, maxillo-facial trauma, thoraco-abdominal injuries, vascular trauma, urologic injuries, the injured hand, the treatment of burns. 1 hour a week; 12 hours.

Sur 651. **General Surgical Clinic.** 1 hour each term, one section each term.

A correlation clinic in general surgery for the fourth-year medical student. 2 hours a week; 24 hours.

Sur 652, 653, 654. **General Clinical Conference.** $\frac{1}{2}$ hour each term, two terms; $\frac{1}{4}$ hour, one term.

Presentation and discussion of basic problems in clinical medicine by all departments of the Medical School.

Sur 670. **Surgery Outpatient Clinic.** 3 hours, one section each term.

Active student participation in all phases of the clinical management of ambulant patients in the surgery outpatient clinic. 6 hours a week; 72 hours.

Sur 672. **Cancer.** 1 hour, one section each term.

An introduction to clinical problems in cancer by student attendance at tumor clinic, tumor conference, and student participation in the management of specific patients with cancer. 4 hours a week for six weeks; 24 hours.

Sur 673. **Clinical Pathology.** 1 $\frac{1}{2}$ hours, one section each term.

A clinical study of the significance, interpretation, and technique of clinical laboratory procedures, with emphasis on surgical applications. Correlative lectures, clinical laboratory demonstrations, workshop sessions, and problem case conferences analyzing selected patient problems. 6 hours a week for six weeks; 36 hours.

Sur 674. **Physical Medicine.** 1 hour, one section each term.

Practical discussions and demonstrations of the applications and theory of physical medicine. 2 hours a week; 24 hours.

ELECTIVE COURSES

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

For third- or fourth-year students.

Sur 640. **Proctology Lectures.** $\frac{1}{2}$ hour.

(Third year.) A systematic lecture survey of ano-rectal disease. Practical demonstrations of the techniques of diagnostic instrumentation. 1 hour a week; 12 hours.

Sur 690. **Surgery Outpatient Clinic.** Any term, hours to be arranged, in accordance with the requirements in the regular Surgery Outpatient Clinic course (Sur 670).

Orthopedic Surgery

REQUIRED COURSES

THIRD YEAR

Orth Sur 615. **Orthopedics.** 1 hour fall.

Lectures and patient demonstrations of orthopedic conditions of adults and children. 2 hours a week; 24 hours.

Orth Sur 630. **Orthopedic Clerkship-Clinic.** 2 hours, one section each term.

Clinics and demonstrations to familiarize the student with the techniques of examination and the diagnostic procedures used in orthopedics. A correlative

clinic given in connection with inpatient clerkship work. 1 hour a week; 50 hours.

Orth Sur 631. **Fractures and Joint Injuries.** 1 hour, one section each term.

Patient demonstrations, ward walks, and lectures on fractures, joint injuries, and other traumatic affections. 2 hours a week; 24 hours.

FOURTH YEAR

Orth Sur 670. **Orthopedic Outpatient Clinic.** 1½ hours, one section each term.

Active student participation in all phases of the clinical management of ambulant patients in the orthopedic outpatient clinic. 3 hours a week; 36 hours.

ELECTIVE COURSES

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

For third- or fourth-year students.

Orth Sur 690. **Orthopedic Outpatient Clinic.** Any term, hours to be arranged in accordance with the requirements in the regular Orthopedic Outpatient Clinic course (Orth Sur 670).

Orth Sur 691. **Orthopedic Ward Walk.** 1 hour, one section each term.

General ward rounds in the Shriner's Hospital for Crippled Children, with discussion of the cases and methods of orthopedic treatment in deformities of children. 2 hours a week; 24 hours.

Urology

REQUIRED COURSES

THIRD YEAR

Ur 615. **Diseases Affecting the Genito-Urinary Tract.** 1 hour spring.

A systematic presentation by means of lectures and patient demonstration of the diagnosis and treatment of urologic conditions. 1 hour a week; 12 hours.

Ur 630. **Urology Clerkship.** 2 hours, one section each term.

Clinics and demonstrations to familiarize the student with the techniques of examination and diagnostic procedures used in urology. A correlative clinic given in connection with inpatient clerkship work. 1 hour a week; 50 hours.

FOURTH YEAR

Ur 650. **Diseases Affecting the Genito-Urinary Tract.** 1 hour fall.

A continuation course, extending the study of urologic problems, diagnostic techniques, and the principles of urologic treatment. Lectures and clinic presentations. 1 hour a week; 12 hours.

Ur 670. **Urology Outpatient Clinic.** 1½ hours, one section each term.

Active student participation in all phases of the clinical management of ambulant patients in the urology outpatient clinic. 3 hours a week; 36 hours.

ELECTIVE COURSES

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

For third- or fourth-year students.

Ur 690. **Urology Outpatient Clinic.** Any term, hours to be arranged in accordance with the requirements in the regular Urology Outpatient Clinic course.

Anesthesiology

REQUIRED COURSES

THIRD YEAR

Anes 615. **Lectures on Anesthesia.** 1 hour.

An integrated series of lectures on anesthesiology, with demonstrations and

description of equipment employed; a discussion of the history of anesthesia; applied physiology; the clinical signs and methods of anesthesia; a discussion of the various anesthetic agents. 1 hour a week; 12 hours.

Anes 630. **Regional Anesthesia.** 1 hour, one section each term.

Lectures concerned with diagnostic, therapeutic, and anesthetic applications of nerve blocks. Clinical demonstrations of nerve-block procedures, and demonstrations using anatomic dissections. 1 hour a week; 12 hours.

FOURTH YEAR

Anes 670. **Anesthesia Clerkship.** ½ hour, one section each term.

A continuation course. Observation of anesthetic procedures in the operating room, and directed supervision in assisting with the administration of the various types of anesthetic agents. 4 hours a day for three days; 12 hours.

ELECTIVE COURSE

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

For third- or fourth-year students.

Neurosurgery

REQUIRED COURSE

THIRD YEAR

Neu Sur 630. **Neurosurgical Seminar.** 1 hour, one section each term.

Designed to acquaint the student with the major problems of neurological surgery. Emphasis is placed on the manner of diagnosis and the types of treatment available to patients with peripheral nerve, spinal, and intracranial lesions. Lectures, case presentations, and group discussions. 2 hours a week; 24 hours.

ELECTIVE COURSES

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

Clinical and basic research projects in neurosurgery. It is expected that students wishing to undertake such projects will be primarily interested in careers in neurology and neurological surgery.

Neu Sur 640. **Differential and Regional Neurosurgical Diagnosis and Therapeutics.** ½ hour, winter or spring.

Discussions and demonstrations of the altered neurophysiologic background and anatomy encountered in patients with neurosurgical problems. Emphasis placed on student interest and participation in discussion of the basic concepts involved. Lectures and demonstrations. 1 hour a week; 12 hours.

Ophthalmology

KENNETH C. SWAN, Chairman of Department

Professor

KENNETH C. SWAN

Clinical Professors

AUGUSTUS B. DYKMAN

E. MERLE TAYLOR

Associate Professor

ROBERT P. BURNS

LEONARD CHRISTENSEN

Assistant Clinical Professors

ROBERT V. HILL

JOHN P. KEIZER
THOMAS E. TALBOT

ROBERT W. ZELLER

*Clinical Associates*ROBERT E. FISCHER
ALFRED J. KREFT

GEORGE P. LYMAN

EDWARD N. McLEAN
JOSEPH I. MORELAND*Instructor*

ROY J. ELLSWORTH

*Clinical Instructors*PAUL F. BAILEY
ROBERT H. BEDROSSIANROBERT C. COWGER
CLYDE H. DuVALL, JR.
WALTER R. ENDERSRICHARD E. MARKLEY
PETER P. ROWELL*Research Fellow*

FREDERICK T. FRAUNFELDER

*Residents*W. LEIGH CAMPBELL
ROBERT F. HANEYROBERT E. KALINA
RICHARD A. LALLIPAUL ROBINSON
K. NOLEN TANNER

REQUIRED COURSES

THIRD YEAR

Eye 615. **Eye.** 1 hour fall.

Diseases of the eye and adnexa. Lectures, demonstrations, and quizzes. 1 hour a week; 12 hours.

FOURTH YEAR

Eye 650. **Eye.** 1 hour winter.

Ophthalmology in relation to systemic disease. Lectures, demonstrations, and quizzes. 1 hour a week; 12 hours.

Eye 670. **Eye Outpatient Clinic.** 1 hour, one section each term.

Student participation in the patient-care program in the Adult and Children's Eye Clinic. Demonstration and use of instruments and techniques for ophthalmic diagnosis and treatment. About one-third of the course is devoted to study of ophthalmic manifestations of systemic disease in hospitalized patients. 2 hours a week; 24 hours.

ELECTIVE COURSES

Eye 601. **Research.** Any term, hours to be arranged.Eye 690. **Eye Outpatient Clinic.** Any term, hours to be arranged in accordance with the requirements of the regular Eye Outpatient Clinic course (Eye 670).

Otology, Rhinology, and Laryngology

DAVID D. DeWEESE, Chairman of Department

*Clinical Professors*PAUL BAILEY
GEORGE E. CHAMBERLAIN

DAVID D. DeWEESE

ROBERT M. HANSEN
LESTER T. JONES*Assistant Clinical Professors*WILLIAM M. BOLTON
LEWIS W. JORDAN

CLIFFORD KUHN

DONALD C. METTLER
BRUCE L. TITUS*Clinical Associates*H. VICTOR ADIX
PAUL B. MYERSGEORGE C. SAUNDERS
KENNETH D. SMYTHT. GLENN TEN EYCK
RALPH N. WESTFALL*Clinical Instructors*

ROBERT R. COOPER

DONALD H. HOLDEN
JACK B. MILLER

ALEXANDER E. PETROFF

*Residents*RICHARD HODGSON
DARRELL W. LANDREYRICHARD P. PANIAN
LYNN B. ROBINSONALEXANDER J. SCHLEUNING, II
RICHARD L. SWANSON

DESCRIPTION OF COURSES

REQUIRED COURSES

THIRD YEAR

ENT 615. **Ear, Nose, and Throat.** 1 hour fall.

An integrated series of lectures, demonstrations, motion pictures, and informal discussions reviewing the basic anatomy, physiology, and symptomatology of the ear, nose, and throat diseases, with emphasis on diagnosis. 1 hour a week; 12 hours.

FOURTH YEAR

ENT 670. **Ear, Nose, and Throat Outpatient Clinic.** 1½ hours, one section each term.

Practical instruction, examination of patients, use of diagnostic instruments, and treatment programs under supervision. 3 hours a week; 36 hours.

ELECTIVE COURSE

ENT 690. **Ear, Nose, and Throat Outpatient Clinic.** Any term, hours to be arranged in accordance with the requirements in the regular Ear, Nose, and Throat Outpatient Clinic course. (ENT 670).

Obstetrics and Gynecology

RALPH C. BENSON, Chairman of Department

Professors

RALPH C. BENSON

HOWARD J. TATUM

Clinical Professor

HOWARD C. STEARNS

Associate Professor

RAPHAEL B. DURFEE

Associate Clinical Professors

CLIFFORD FEARL

GUNNAR E. C. NELSON

WILLIAM M. WILSON

GOODRICH C. SCHAUFFLER

Assistant Professors

OTTO R. EMIG

FRANK SHUBECK

Assistant Clinical Professors

RODERICK C. BLATCHFORD

DUNCAN R. NEILSON

Instructor

TOSHIO FUJIKURA

Clinical Instructors

THEODORE M. BISCHOFF

GEORGE S. HARA

JOSEPH C. MITCHELL

RICHARD N. BOLTON

WILLIAM L. HARTMANN

DAVID W. MOORE

MELVIN W. BREESE

PHILIP H. HENDERSON, JR.

MAX H. PARROTT

LE ROY S. CASPERSEN

WILLIAM W. HICKS, JR.

EDWARD N. PETERSON

CHARLES L. CHAVIGNY

ROBERT C. JACKSON

JESSE L. RAY

C. LOUISE CLANCY

DAVID W. JAMES

QUINTEN SCHERMAN

RICHARD W. FRANKLIN

BENJAMIN B. JONES

ELIZABETH H. SCHIRMER

W. RONALD FRAZIER

GERALD E. KINZEL

WILLIAM O. THOMAS

MALCOLM E. FULLER

GEORGE H. LAGE

THOMAS A. TREANOR

REMY W. FULSHER

F. KEITH MARKEE

RALPH E. WALLACE, JR.

ROBERT B. GREENE

ALFRED N. MARSHALL

JAMES M. WHITELY

J. OPPIE McCALL, JR.

Residents

JAMES A. AFFLECK

ROBERT P. DOUGHTON

WARREN F. ROGERS

JACK W. BELL

HAROLD E. RAY

JACK M. SCHNEIDER, II

RAYMOND D. RICE

Obstetrics

REQUIRED COURSES

THIRD YEAR

Obs 615. Introductory Obstetrics. 1 hour fall.

Lectures, recitations, and demonstrations in obstetrics. The anatomy and physiology of the female pelvis and genitals; diagnosis of pregnancy; the management of normal pregnancy; physiology of and clinical course in normal labor and puerperium. 1 hour a week; 12 hours.

Obs 616. Lecture and Demonstration Course in Obstetrics. 1 hour winter.

Mechanism of normal and abnormal presentation; manikin demonstration; care of the newborn child. Obstetrical technique; forceps version, breech extraction, cesarean section and embryotomy. 1 hour a week; 12 hours.

Obs 630. Clinical Clerkship. 3½ hours, one section each term.

Patient study, ward rounds, and conferences in obstetrics. Multnomah and Medical School Hospital. 13 hours a week for six weeks; 78 hours.

Obs 631. Manikin. ½ hour, one section each term.

Lectures and demonstrations with the manikin on the mechanism of normal and abnormal labor and delivery, including pelvic mensuration, pelvic architecture, presentation and position of the fetus, complications of labor and delivery, 1 hour a week; 12 hours.

Obs 632. Attendance at Deliveries. 2 hours, one section each term.

Each student is required to be in attendance at and observe twelve deliveries in Multnomah Hospital, including delivery of patients in the hospital and attendance upon mother and child after deliveries. Each student is required to participate in at least six deliveries during an assigned period.

FOURTH YEAR

Obs 670. Obstetrics Outpatient Clinic. 3½ hours, one section each term.

Examination of pregnant women, pelvimetry, and instructions in prenatal and postpartum care. 13 hours a week for 6 weeks; 78 hours.

Obs 671. Special Problems in Obstetrics Outpatient Clinic. 1 hour, one section each term.

Problems involving likely difficult labor due to a large infant or small pelvis (dystocia), metabolic, cardiac, and other complicated obstetrical conditions. Cases are evaluated and a definitive course outlined. 3 hours a week for 6 weeks; 18 hours.

Obs 672. Postnatal Outpatient Clinic. 1 hour, one section each term.

Examination and demonstration of normal and abnormal details of pelvic anatomy following parturition. Outline of treatment for the postpartum patient. Methods of child spacing detailed. 3 hours a week for 6 weeks; 18 hours.

ELECTIVE COURSES

Obs 601. Research. Any term, hours to be arranged.**Obs 640. Fetal Neonatal Death Conference.** ½ hour, any term.

Review of the pathology of predelivery and postnatal period. Discussion of the likely causes of death from the clinical, gross and microscopic review of each case. 1 hour a week; 12 hours.

Obs 690. Obstetrics Outpatient Clinic. Any term, hours to be arranged in accordance with requirements in the regular Obstetrics Outpatient Clinic course (Obs 670).

Gynecology

REQUIRED COURSES

THIRD YEAR

Gyn 615, 616. **Gynecology.** 1 hour each term, fall and winter.

Gynecologic pathology and oncology demonstrated; details of surgery for pelvic hernia; inflammatory problems and pelvic tumors. 1 hour a week; 24 hours.

Gyn 630. **Clinical Clerkship.** 3 hours, one section each term.

Patient study, ward rounds and conferences in gynecology. Multnomah and Medical School Hospitals. 11 hours a week for 6 weeks; 66 hours.

FOURTH YEAR

Gyn 670. **Gynecology Outpatient Clinic.** 2 hours, one section each term.

Examination of patients, demonstration of problems related to office gynecology; postoperative followup and cancer detection emphasized; treatment of gynecologic problems outlined. 8 hours a week for 6 weeks; 48 hours.

Gyn 671. **Gynecology Tumor Outpatient Clinic and Pathology Conference.** 1 hour.

Evaluation of gynecological cancer patients, pre- or post-therapy. A follow-up of at least five years post-therapy is instituted. Complications of surgical and radiologic management are evaluated and corrective measures prescribed. 4 hours a week for 6 weeks; 24 hours.

ELECTIVE COURSES

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

Gyn 690. **Gynecology Outpatient Clinic.** Any term, hours to be arranged in accordance with the requirements in the regular Gynecology Outpatient Clinic course. (Gyn 670).

Pediatrics

DONALD E. PICKERING, Acting Chairman of Department

Professors

ALLAN J. HILL, JR.

DONALD E. PICKERING

RICHARD L. SLEETER

Clinical Professor

JOSEPH B. BILDERBACK

Associate Professors

S. GORHAN BABSON
WILLIAM M. CLARK, JR.

GEORGE W. DANA
RUDOLF C. H. ENGEL

HEROLD S. LILLYWHITE
(speech pathology)

Associate Clinical Professors

MORRIS L. BRIDGEMAN

SCOTT GOODNIGHT

ALVIN D. WERT

Assistant Professors

VICTOR D. MENASHE

ROBERT J. MEECHAN

ROBERT L. TIPS

Assistant Clinical Professors

CARL G. ASHLEY
JOHN H. BENWARD
ROBERT W. BLAKELEY
(speech pathology
and hearing)

QUINTEN W. COCHRAN
WALTER A. GOSS
JOHN A. LARRABEE
JOHN ARTHUR MAY

EDGAR M. RECTOR
PAUL E. SHICK, JR.
LONDON H. SMITH
JAMES P. WHITTEMORE

Instructors

KATHRINE S. FRENCH
(anthropology)

WILLIAM W. ORNDUFF
DAVID L. SESSIONS
FREIDA M. WEINER

NORTON B. YOUNG
(audiology)

Clinical Instructors

DANIEL K. BILLMEYER
 JOHN W. BUSSMAN
 W. ROBERT DAY
 JOHN R. HANSEN
 JOSEPH T. HART

EDWARD L. HENDRICKS
 PETER H. HURST
 DONALD F. KELLEY
 DAVID W. MACFARLANE
 GEORGE A. NASH
 GEORGE J. SCHUNK

WILLIAM M. SNOOK
 JOHN L. STEVENSON
 CLEMENS W. VAN ROOY
 CHARLES VARGA
 GEORGE F. WALLIKER

Research Fellow

GEORGE R. KERR

Residents

PEGGY J. COPPLE
 WILLIAM V. COYNER

JOHN E. FINCH
 ARTHUR D. KRACKE
 GEORGE M. MAHON

MICHAEL J. MILLER
 CHARLES R. PETERSON

REQUIRED COURSES

THIRD YEAR

Ped 615, 616, 617. Diseases of Infancy and Childhood. 1 hour each term.

A survey of pediatrics from a correlative standpoint. Lectures and demonstrations. 1 hour a week; 36 hours.

Ped 630. Clerkship. 8 hours, one section each term.

Review of pediatric problems in an inpatient setting by patient responsibility, individual and group discussion. 32 hours a week for 6 weeks; 192 hours.

FOURTH YEAR

Ped 670. Pediatric Outpatient Clinic. 4 hours, one section each term.

General pediatric problems in an outpatient setting with patient responsibility, individual and group discussions. 15 hours a week for 6 weeks; 90 hours.

Ped 671. Pediatric Outpatient Specialty Clinics. 5 hours, one section each term.

Study of special pediatric problems in cardiovascular, neurologic, endocrine, metabolic, and hematologic diseases. 20 hours a week for 6 weeks; 120 hours.

ELECTIVE COURSES

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

Ped 640. Fetal Neonatal Death Conference. ½ hour, any term.

Review of the pathology of predelivery and postnatal period. Discussion of the likely causes of death from the clinical, gross, and microscopic review of each case. 1 hour a week; 12 hours.

Ped 641. Congenital Heart Disease. 1 hour, one section each term.

Students have an opportunity to examine patients with congenital heart disease in the Crippled Children's Division under the guidance of consultants from the Departments of Medicine, Radiology, Surgery, and Pediatrics. 2 hours a week; 24 hours.

Ped 690. Pediatric Outpatient Clinic. Any term, hours to be arranged in accordance with the requirements in the regular Pediatrics Outpatient Clinic course (Ped 670).

Special Programs

Graduate Studies

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 offered. Work leading to the Master of Science or Doctor of Philosophy degree is offered in anatomy, bacteriology, biochemistry, pathology, pharmacology, and physiology. Work toward the master's degree is offered in medical psychology and medical technology.

Recommended Preparation for Graduate Work

For admission to graduate studies an applicant must have a Bachelor of Arts or Bachelor of Science degree from an accredited college. Reading ability in a foreign language is highly desirable for applicants expecting to become candidates for the Master of Science degree. Reading ability in two modern foreign languages is not essential for admission to graduate studies, but must be demonstrated before the degree of Doctor of Philosophy is granted. It is highly desirable that all applicants have completed undergraduate courses in elementary statistics; training in statistical methods is required for all candidates for advanced degrees.

The subjects and credits required for admission to the Medical School are recommended for admission to graduate studies. In addition, the several departments offering graduate work generally require certain of the following:

Anatomy: comparative anatomy, genetics, general physiology, microtechniques.

Bacteriology: general microbiology.

Biochemistry: physical chemistry and mathematics through differential and integral calculus (essential for students who intend to work for the Ph.D. degree, and desirable for master's candidates). Additional courses in analytical and organic chemistry recommended for all graduate students.

Pathology: admission to the Medical School.

Pharmacology: physical chemistry, advanced organic chemistry.

Physiology: advanced courses in biology, chemistry, physics, mathematics.
Medical Psychology: general psychology.

Further information concerning qualifications for graduate study may be obtained from the Registrar's Office or from the head of the department in which the student plans to work.

Admission to Graduate Status

Admission to graduate-student status is contingent upon (1) application by the student on forms available from the Registrar of the Medical School, (2) recommendation by the head of the department in which the student desires to work, and (3) approval by the Graduate Council and the dean of the Medical School. As a part of the application data, satisfactory scores on the aptitude test and on one or more of the advanced-test portions of the Graduate Record Examination are required to be furnished by the applicant. Only candidates with

superior college records or presenting other clear evidence that they have a capacity for productive scholarship will be considered. The qualifications of students expecting to continue graduate studies after receiving a master's degree will be reviewed by the Graduate Council.

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 training programs.

Standards of Performance

Graduate students are graded on the same basis as medical students in the courses they take in the Medical School. Graduate credit is granted only for course work in which grades of I, II, III or IV are earned. A minimum yearly weighted grade average of 3.00 must be maintained. (See page 61, Promotion.)

Admission to Candidacy for a Graduate Degree

Admission to graduate status is not equivalent to admission to candidacy for a graduate degree; the latter is granted only after the student has demonstrated knowledge of the fundamentals of his field and ability to perform work of graduate character. A written qualifying examination is required of students desiring to become candidates for the degree of Doctor of Philosophy, and may also be required, at the discretion of the major department and Graduate Council, of students desiring to become candidates for the Master of Science degree. The qualifying examination is given by the major department in which the student is registered and covers the broad field of his background preparation. It must be taken not later than the spring or summer term prior to the academic year in which the degree is to be received. The student becomes eligible to take the qualifying examination for candidacy for the degree of Doctor of Philosophy after he has passed reading examinations in two modern foreign languages.

Admission to candidacy for an advanced degree is determined by the Graduate Council after review of the examination, the scholastic record of graduate work, and the recommendation of the student's major department head.

Requirement for Graduate Degrees

(1) *Residence.* Academic residence is established by registration for graduate credit in the University of Oregon Medical School. For the Master of Science degree a minimum of three academic terms in residence as a graduate student is required. For the Doctor of Philosophy degree a minimum of six academic terms in residence as a graduate student is required. Interruptions in residence are undesirable but may be permitted by joint agreement of the major department and Graduate Council.

(2) *Duration of Candidacy.* For the master's degree a student must be a candidate for the degree for at least one academic term; for the doctor's degree a student must be a candidate for three academic terms.

(3) *Hours of Graduate Work Required.* (a) For the degree of Master of Science 30 term hours of graduate credit in the major department and 15 hours of credit in a minor department are required.

(b) For the degree of Doctor of Philosophy a total of 135 term hours of graduate credit is required. Of this total, a minimum of 100 hours must be credit in the major department; the student must also complete work in a minor field or fields: a minimum of 20 hours in a single minor or a minimum total of 30 hours in two minors.

(c) Two term hours of credit in an advanced statistics course, dealing with the design of experiments and the analysis and interpretation of experimental data, are required.

(d) Special permission of the Graduate Council is required for a work load in excess of 18 hours per term.

No courses in the third and fourth years of the medical curriculum may be taken for graduate credit without special permission of the Graduate Council.

(4) *Thesis Requirements.* The candidate for an advanced degree must present a written description of experimental investigations carried out during the course of graduate study. Ordinarily, the thesis for the degree of Master of Science is a report of experimental work conducted by the student under the close supervision of his major professor. The thesis for the degree of Doctor of Philosophy must show evidence of originality on the part of the student in the planning and execution of independent experimental work, and the results must represent a definite contribution to knowledge. General instructions on the preparation of the thesis may be obtained from the chairman of the Graduate Council. The thesis must be accepted by the head of the department and the Graduate Council. The thesis must be submitted to the Graduate Council on or before the first of May.

(5) *Oral Thesis Examinations.* An oral examination covering the subject of the thesis is required of all candidates for advanced degrees. The examining committee is appointed by the chairman of the Graduate Council with the advice of the head of the major department. The examination must take place at least ten days prior to the date of Commencement.

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. The 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. Minor 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.

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. Duplicate enrollment as a medical student working toward the degree of Doctor of Medicine and as a graduate student working toward the degree of Doctor of Philosophy is not allowed.

Registration and Payment of Fees

Registration for graduate study in any graduate program must be renewed quarterly and study programs arranged at the beginning of each term. Dates for registration and payment of fees conform to the dates indicated in the calendar of the Medical School. (See page 8.) The student is responsible for the arrangement of his course schedule by agreement with the head of his major department and the instructors teaching the desired courses.

Fees for graduate study are payable at the beginning of each term according to the schedule listed on page 58.

Internship and Residency Programs

THE INTERNSHIP PROGRAM of the University of Oregon Medical School Hospitals and Clinics is approved by the Council on Medical Education and Hospitals of the American Medical Association. The hospitals participate

in the National Internship Matching Program. The interns who receive training in the Medical School Hospitals and Clinics (currently 30) have a twelve-month rotating internship in both the Medical School Hospital and Multnomah Hospital. 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 on the service. Internship appointments are effective July 1.

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 110 appointments. Residency training follows one year of internship and consists of two 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 the Hospitals of the American Medical Association and of the respective American boards. Residencies are offered in anesthesiology, dermatology, hematology, internal medicine, neurological surgery, neurology, obstetrics and gynecology, ophthalmology, orthopedic surgery, otolaryngology, pathology (both clinical and anatomical), pediatrics, psychiatry, radiology, general surgery, thoracic surgery, and urology.

The following Portland hospitals cooperate with the Medical School in the residency programs: Emanuel Hospital, Shriner's Hospital for Crippled Children, and Veterans Hospital.

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

Postgraduate Program

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

Enrollment is open to any graduate of an approved medical school who is licensed to practice in his state of residence. The fee for each course is \$15.00 per day.

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

School of Nursing

THE UNIVERSITY OF OREGON SCHOOL OF NURSING, located on the campus of the University of Oregon Medical School, Portland, offers three programs:

(1) The *Basic Degree Program*, leading to the Bachelor of Science in Nursing degree, prepares professional nurses who give total patient care in hospitals, public health agencies, and in the community, who assume leadership of other nursing personnel, and who possess the requirements for advanced study in teach-

ing supervision, administration, and consultation. This program is four academic years and one summer term in length.

For the freshman year the student enrolls in an accredited college or university for work in liberal arts and basic sciences.

For the sophomore year, the student nurse transfers to the School of Nursing, Portland, where she continues her liberal arts studies along with professional nursing courses. Student nurses receive their clinical experience in the teaching hospitals and clinics of the Medical School—the Medical School Hospital, Multnomah Hospital, the University State Tuberculosis Hospital and the Outpatient Clinic. Psychiatric and public health nursing experience is secured in off-campus facilities—in the Oregon State Hospital, Salem, and in selected health departments and agencies.

(2) The *Baccalaureate Degree Program for Registered Nurses* is planned for graduates of diploma-school programs who are seeking a broad background of general and professional educational preparation to extend their professional practice. Public health nursing is an integral part of the program. The curriculum also provides opportunities for a broadened foundation in general education, liberal arts, and behavioral sciences.

(3) The *Master's Degree Program*, leading to a degree of Master of Science in Nursing, provides advanced professional preparation for the qualified graduate nurse who holds a bachelor's degree from an accredited college or university. A major in teaching is offered.

A catalog containing detailed information about the programs of the School of Nursing may be obtained by writing to the Director, University of Oregon School of Nursing, Portland 1.

Hospital Dietetics

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

The minimum admission requirement is graduation with a B.S. degree, 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 \$65.00 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.

X-Ray Technique

THE DEPARTMENT OF RADIOLOGY of the University of Oregon Medical School offers a two-year course of training for X-ray technicians. The course, which was established in 1930, is approved by the Council on Medical Education and Hospitals of the American Medical Association and by the American Registry of X-Ray Technicians.

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

No tuition is charged during the period of training, but the student must provide his own books, supplies, uniforms, and incidental fees. During the second year, the student serves as an apprentice technician and receives a stipend of \$50.00 per month.

The course includes lectures in anatomy, physiology, physics, and X-ray equipment, and lectures and clinical experience in dark-room chemistry and procedures, X-ray techniques, positioning of patients, hospital ethics, record keeping, department operation, and X-ray therapy. Students receive clinical experience in special X-ray procedures during their second year of training. All instruction is under the direction of the chairman of the Department of Radiology of the University of Oregon Medical School.

Twelve students are admitted annually in July. Applications should be submitted to the Instructor in Radiological Technique, Department of Radiology, University of Oregon Medical School Hospitals and Clinics.

The two-year program qualifies the student to take the registry examination of the American Registry of X-Ray Technicians, offered twice each year. The program includes the year of apprenticeship otherwise required by the Registry.

Medical Technology

RAYMOND D. GRONDAHL, Director of Medical Technology Program

Professor

RAYMOND D. GRONDAHL

Associate Professor

TYRA T. HUTCHENS

Associate Clinical Professors

JAMES H. LIUM

HOMER H. HARRIS

Assistant Professors

GERALD J. LATTIG

MARTHA L. HAMILTON

Assistant Clinical Professors

MARLOWE DITTEBRANDT

EUGENE W. LANDRETH

Instructor

MARY E. BAPTIST
(Medical Technology)

Clinical Instructors

NIGEL A. PICKERING

DAVID S. TAKALO

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

The minimum admission requirements are: three years of college work, with: 24 term hours in biology, including one full academic year of general biology and/or zoology; 24 term hours of chemistry, which must include one full academic year of general inorganic chemistry (survey courses in chemistry are not acceptable); 4 term hours of college mathematics. The three years of college preparation may be obtained at any accredited college. The applicant's credentials must be approved by the Registry prior to admission.

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 required for certification by the Registry. Upon satisfactory completion of the twelve continuous months' training period, a certificate is issued to the stu-

dent by the University of Oregon Medical School. The student is then eligible to take the National Registry Examination, which is given twice a year. Upon passing the examination, the student is qualified as a registered medical technologist with the American Society of Clinical Pathologists.

A graduate program leading to the Master of Science degree is offered for qualified students.

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

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

	Per term	Per year
Tuition	\$ 20.00	\$ 60.00
Laboratory and course fee.....	36.00	108.00
Building fee	8.00	24.00
Incidental fee (student health service)	23.00	69.00
Total for Oregon residents	\$ 87.00	\$261.00
Total for nonresidents who pay an additional \$55.00 per term.....	\$142.00	\$426.00

Medical technology students pay the "special fees" listed on pages 58-59 under the conditions indicated.

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

Curriculum in Medical Technology

Fall Term

	Term hours
MT 410. Clinical Bacteriology	4
MT 413. Laboratory Orientation	2
MT 424. Clinical Biochemistry	5
MT 430. Principles of Hematology	5
*CP 520. Radioisotope Technique	1
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Winter Term

MT 411. Clinical Bacteriology	6
MT 425. Clinical Biochemistry	6
MT 431. Special Hematology	3
*CP 521. Radioisotope Technique	1
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	16

Spring Term

MT 414. Urinalysis	4
MT 420. Histological Technique	4
MT 436. Applied Serology	5
MT 437. Clinical Parasitology	3
*CP 522. Radioisotope Laboratory	1
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Description of Courses

MT 410, 411. Clinical Bacteriology. 4 hours fall, 6 hours winter.

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

MT 413. Laboratory Orientation. 2 hours fall.

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

* See page 70.

MT 414. Urinalysis. 4 hours spring.

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

MT 420. Histological Technique. 4 hours spring.

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

MT 424, 425. Clinical Biochemistry. 5 hours fall, 6 hours winter.

The principles of biochemistry and the applications of colorimetry, gastrometric analysis, and quantitative chemistry in the determination of the substances in blood and body fluids. Fall: lecture, 3 hours a week; laboratory, 6 hours a week. Winter: lectures, 3 hours a week; laboratory, 9 hours a week. 231 hours.

MT 430. Principles of Hematology. 5 hours fall.

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

MT 431. Special Hematology. 3 hours winter.

Blood dyscrasia, bone marrow, and blood studies relative to the anemias, leukemia, and other pathological conditions of the blood. Lectures, 2 hours a week; laboratory, 3 hours a week; 55 hours.

MT 436. Applied Serology. 5 hours spring.

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

MT 437. Clinical Parasitology. 3 hours spring.

The life cycles, modes of transmission, and diagnostic features of the more common parasites of man. Lectures, 2 hours a week; laboratory, 3 hours a week; 55 hours.

ELECTIVE COURSES

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.

Enrollment and Degrees

Degrees Conferred June 9, 1961

Doctor of Medicine

GRADUATE	INTERNSHIP
Robert Alfred Beatty.....	University of Illinois Research and Educational Hospital, Chicago, Ill.
Samuel T. Bennett.....	San Joaquin General Hospital, Stockton, Calif.
Charles A. Bonnett.....	University of Oregon Medical School Hospitals and Clinics, Portland, Ore.
Richard Paul Bunch.....	St. Luke's Hospital, Spokane, Wash.
Douglas Murray Burns.....	Highland-Alameda County Hospital, Oakland, Calif.
Jean Everice Carter.....	University of Oregon Medical School Hospitals and Clinics, Portland, Ore.
George Heyden Caspar.....	Southern Pacific General Hospital, San Francisco, Calif.
Richard Ernest Cavalli.....	Letterman General Hospital, San Francisco, Calif.
Gerald R. Christensen.....	Ancker Hospital, St. Paul, Minn.
Gunnar E. Christiansen.....	Good Samaritan Hospital, Portland, Ore.
Byong-Uk Chung.....	Evanston Hospital, Evanston, Ill.
Willis Irving Cottell.....	Charity Hospital, New Orleans, La.
Mary Jane Dubinski.....	Good Samaritan Hospital, Portland, Ore.
Lloyd Ostrum Eckhardt.....	University of Oregon Medical School Hospitals and Clinics, Portland, Ore.
Raymond D. Endicott.....	St. Luke's Hospital, Spokane, Wash.
Rolf Richard Engel.....	University of Minnesota Hospitals, Minneapolis, Minn.
Thomas Edwin Fagan.....	University of Oregon Medical School Hospitals and Clinics, Portland, Ore.
Bill B. Ferguson.....	Emanuel Hospital, Portland, Ore.
Robert Leon Fulwyler.....	U. S. Naval Hospital, Camp Pendleton, Calif.
Lee Arthur Gleason.....	Ireland Army Hospital, Fort Knox, Ky.
Raymond F. Graap, Jr.....	Mary Hitchcock Memorial Hospital, Hanover, N. H.
Keith Frederic Harcourt.....	University of Oregon Medical School Hospitals and Clinics, Portland, Ore.
Thomas John Harrison.....	Los Angeles County Hospital, Los Angeles, Calif.
James Thomas Hartford.....	Madigan General Hospital, Tacoma, Wash.
Donald H. Heithecker.....	University of Oregon Medical School Hospitals and Clinics, Portland, Ore.
Leonard L. Heston.....	Bernalillo County-Indian Hospital, Albuquerque, N. M.
Howard Eugene Johnson.....	University of Oregon Medical School Hospitals and Clinics, Portland, Ore.
Bruce Beal Johnstone.....	University of Oregon Medical School Hospitals and Clinics, Portland, Ore.
Irwin Eugene Joslyn.....	Providence Hospital, Portland, Ore.
Visut Kanchanapoomi.....	Ancker Hospital, St. Paul, Minn.
John Coleman Kelly.....	U. S. Naval Hospital, San Diego, Calif.
Harry Knudsen.....	San Bernardino County Charity Hospital, San Bernardino, Calif.
Richard Phelps Lewis.....	Peter Bent Brigham Hospital, Boston, Mass.
Merritt Lewis Linn.....	Good Samaritan Hospital, Portland, Ore.
Dale L. W. Lowther.....	Madigan General Hospital, Tacoma, Wash.
Joseph C. Macdonald.....	Highland-Alameda County Hospital, Oakland, Calif.
Malcolm M. Marquis.....	University of Oregon Medical School Hospitals and Clinics, Portland, Ore.
Sammy Lee Meyer.....	Los Angeles County Hospital, Los Angeles, Calif.
Marilyn Ann Mickey.....	Emanuel Hospital, Portland, Ore.
Hideyo Minagi.....	Queen's Hospital, Honolulu, Hawaii
Peter M. Nakamura.....	St. Luke's Hospital, Spokane, Wash.
Herald Stanger Nokes.....	Good Samaritan Hospital, Portland, Ore.
Bruce Alfred Peters.....	University of Oregon Medical School Hospitals and Clinics, Portland, Ore.
Donald Wayne Pittman.....	Good Samaritan Hospital, Portland, Ore.
James Clarence Puscas.....	San Bernardino County Charity Hospital, San Bernardino, Calif.

Richard Lewis Redfern.....	Highland-Alameda County Hospital, Oakland, Calif.
Thomas L. W. Roe.....	University of California Hospitals, San Francisco, Calif.
Edward M. Schneider.....	University of Oregon Medical School Hospitals and Clinics, Portland, Ore.
Alan Fulton Scott.....	Madigan General Hospital, Tacoma, Wash.
James Melvin Scott.....	Good Samaritan Hospital, Portland, Ore.
Norman F. Seidenverg.....	U. S. Naval Hospital, Oakland, Calif.
Michael James Skala.....	St. Luke's Hospital, Spokane, Wash.
Esther Annette Strom.....	Massachusetts Memorial Hospital, Boston, Mass.
John Walter Tarnasky.....	Emanuel Hospital, Portland, Ore.
Louis Arthur Taucher.....	San Bernardino County Charity Hospital, San Bernardino, Calif.
Duane Franklin Taylor.....	St. Luke's Hospital, Spokane, Wash.
Thomas Leon Thornton.....	Emanuel Hospital, Portland, Ore.
William M. Veatch.....	Walter Reed General Hospital, Washington, D. C.
Vernon Verle Viles.....	Good Samaritan Hospital, Portland, Ore.
Graham M. Watkins.....	Pontiac General Hospital, Pontiac, Mich.
Daniel Louis Wesche.....	Philadelphia General Hospital, Philadelphia, Penn.
David Lee Wishart.....	St. Luke's Hospital, Spokane, Wash.

Doctor of Philosophy

Alicia E. Marco

R. Elaine E. Spencer

Master of Science

J. Peter Bentley
Gunnar E. Christiansen

Russell R. MacDonald

Sammy Lee Meyer
Paul Telford Russell

Enrollment 1960-61

Medical Students

First-Year Class

Robert L. Acker
Ernest P. Aebi
Irshad A. Ahmad
Patrick C. Aiu
John N. Anderson
Donald F. Austin
Robert L. Backstrom
John O. Bergstrom
C. Carter Boggs
Robert O. Burgess
H. Treat Cafferata
Timothy J. Campbell
James J. Cereghino
Charles K. Chapman
Gorden L. Clark
Maurice J. Comeau
John S. Corson
William W. Cox
Eric W. S. Craig
Robert D. Davis
Curwood L. Davison
Carl M. Deming
David L. Dixon
Peter J. Dowsett
Robert A. Eastwood
John Echevarria
Harold Erickson

James D. Fearl
Thomas J. Franz
Layne O. Gentry
David N. Gilbert
Scott H. Goodnight, Jr.
James L. Griggs
Edward A. Grossenbacher
Kenneth A. Hammon
Stanley G. Harris
Rodger G. Hawkins
H. Hale Henson
Meredith K. Hester
John C. Hill
Thomas C. Honl
Chin S. Hoo
John C. Hylan
Russell J. Keizer
Robert C. Koch
Kevin B. Lake
William R. Lee
Ralph V. Litchfield
Gerrit R. Ludwig
Don R. Martin
George M. Maskell
Martin E. McKenney
Donald L. Meyer

Donald S. Minckler
Gary L. Neal
Larry E. Noble
Thomas E. Olsen
David G. Paff
C. Milton Quam
John B. Quick, Jr.
K. Ann Ragie
Delbert L. Remy
George H. Rice
David W. Rich
Donald F. Richey
J. Stephen Schaub
Donald H. See
Larry J. Severson
George Shimomura
Jack B. Shinger
Edward H. Stark
Gary M. Stewart
William C. Stone
Richard C. U'Ren
Donald E. Wadsworth
N. Dean Weaver
Albert Winkler, Jr.
Laurence J. Wiwatowski
John L. Wobig
Paul D. Young

Second-Year Class

Joseph G. Antony
Hollis L. Augee
Jerry J. Bass

Duane G. Beard
William S. Bechen
Robert M. Belanger

James B. Borden
Elroy D. Brandt
Larry T. Brice

James A. Brooks
 Douglas Chalmers
 Robert W. Clark
 Thomas R. Conklin
 S. Hope Davidson
 Michael J. DeBenedetti
 William R. Fore
 Richard C. Gildsford
 George A. Goodman
 J. Catlin Goss, Jr.
 Larry J. Hall
 Samuel J. Hammond
 Edward L. Hargis
 Artyce Lee Hawman
 James D. Hearn
 George R. Hegstrom, Jr.
 Richard W. Hehn
 Gene W. Heinrichs
 Hilbert J. Henrickson
 Gerald R. Herrin
 Walter W. Hutchison

Curtis D. Adams
 James W. Asaph
 Dee D. Atkinson
 Herbert C. Baker
 Roger M. Bandy
 Larry L. Bassinger
 Richard W. Beighle
 C. Sabin Belknap
 John D. Bischel
 Dudley M. Bright
 Howard A. Buell
 Tong C. Cheah
 Wesley A. Cook, Jr.
 Lyle E. Creclius
 James C. Dinneen
 Edwin C. Everts
 Richard W. Fieber
 R. Clifford Flanders
 John T. Flaxel
 Arthur R. Fry, Jr.
 Thomas A. Gail
 John M. Gevurtz
 James H. Gilbaugh, Jr.
 Richard T. Gourley
 James A. Haaland
 Arthur L. Hauge

Robert A. Beatty
 Samuel T. Bennett
 Charles A. Bonnett
 Richard P. Bunch
 Douglas M. Burns
 Jean E. Carter
 George H. Caspar
 Richard E. Cavalli
 Gerald R. Christensen
 Gunnar E. Christiansen
 Byong-Uk Chung
 F. Lawrence Clare
 Willis I. Cottel
 Mary Jane D. Dubinski
 Lloyd O. Eckhardt
 Raymond D. Endicott
 Rolf R. Engel
 Thomas E. Fagan
 Bill B. Ferguson
 Robert L. Fulwyle
 Lee A. Gleason
 Raymond F. Graap, Jr.
 Keith F. Harcourt

Jay T. Johnson
 George W. Keillor
 Alvin M. Klass
 Marshall L. Koonce
 Ben R. Kuhner
 Maung M. Kun
 Russell K. Lawson
 Willard R. Lilly
 Gerald T. Lisac
 Kenneth K. Magee
 Charles L. Martinson
 James W. Mortensen
 Daniel W. Nebert
 William B. Ness
 Walter E. Norton
 James E. O'Dea
 Donald R. Olson
 Larry M. Ottis
 David D. Reeder
 Esther H. Robinson
 Banchert Saetan

Third-Year Class

David L. Haugen
 Leonard L. Hays
 H. Douglas Hering
 Curtis R. Holzgang
 Leslie W. Inman
 John G. Iwakiri
 Edwin C. James
 R. Marshall Jelderks
 Gary C. Jenkins
 Robert G. Kaufman
 Alan L. Keaton
 Philip J. Keizer
 Donald T. Kerr
 Robert E. Kramer
 Michael N. Landis
 Arthur E. Lewis
 Ronald G. Lewis
 Thomas W. Mann
 Carl Mark, III
 Winston E. Maxwell
 Charles F. McMahon
 Leo J. McMahon
 Norbert J. McNamara
 James McNeese
 Donald L. McNeill
 Russell W. Newcomb

Fourth-Year Class

Thomas J. Harrison
 James T. Hartford
 Donald H. Heithecker
 Leonard L. Heston
 Frederick C. Hoesly
 Howard E. Johnson
 Kit G. Johnson
 Richard H. Johnson
 Bruce B. Johnstone
 Irwin E. Joslyn
 Visut Kanchanapoomi
 John C. Kelly
 Harry Knudsen
 Delbert M. Kole
 James C. Kraus
 Richard P. Lewis
 Merritt L. Linn
 Dale L. W. Lowther
 Joseph C. Macdonald
 Malcolm M. Marquis
 Sam L. Meyer
 Marilyn Mickey
 Hideyo Minagi
 Peter M. Nakamura

C. Dudley Saul
 Richard S. Scott
 Jon A. Shaw
 Stephen D. Sholkoff
 Kenneth M. Stevens
 Calvin T. Tanabe
 James R. Ten Eyck
 Richard P. Tesoro
 David S. Todd
 Per H. Tonning
 Gerold van der Vlugt
 Thomas A. Van Veen
 Raul A. Vernal
 Fredrick D. Wade
 Theodore A. Walters
 Jacob H. Wilson
 Stuart D. Wilson
 William S. Wilson
 Laurence E. Winter, Jr.
 Sybil K. H. Wong
 Richard C. Wright

Richard O. Panzer
 George N. Pasto
 Roy E. Paulsen, Jr.
 William G. Prescott
 Charles E. Richardson
 Peter H. R. Roberts
 John P. Rundle
 George R. Schoedinger, III
 Walter R. Schreck
 Donald H. Scott
 Myron E. Shirasu
 Lauren K. Stanley
 Laddie E. Stover
 John M. Talbot
 Newton L. Thompson
 Fredric J. Van Rheenen
 Ronald W. Vinyard
 Joyce A. Walker
 David A. Weeks
 Lawrence H. Welter
 Mary Helen Wilder
 Eugene L. Wonderlick
 Oak Chee Wong
 Oakland Wong
 Eldon W. Younger
 I. Minter Yount

James S. Noble
 Herald S. Nokes
 Bruce A. Peters
 Donald W. Pittman
 James C. Puscas
 Richard L. Redfern
 Thomas L. W. Roe
 Edward M. Schneider
 Alan F. Scott
 James W. Scott
 Norman M. Seidenverg
 Michael J. Skala
 Perry R. Sloop, Jr.
 Esther A. Strom
 John W. Tarnasky
 Louis A. Taucher
 Duane F. Taylor
 Thomas L. Thornton
 William M. Veatch
 Vernon V. Viles
 Graham M. Watkins
 Daniel L. Wcsche
 David L. Wishart

Graduate Students

John F. Bellinger
 John P. Bentley
 Rose Mary Bocek
 Robert E. Brummett
 Audrey M. Davison

David Gaudin
 Jack G. Giesy
 Alyce L. Hoyer
 Susan V. Hunter
 Russell Ray MacDonald

Alicia E. Marco
 David A. McClure
 Paul T. Russell
 Elaine Spencer
 Donald G. Weber

Special Students and Auditors

James S. Bennett
 James D. Day
 Frances N. Diack

Julia C. Dickinson
 Hilda Ebro
 Elizabeth Haines
 Bhaskar Joshi

David Newport
 George L. Toombs
 William Wescott

Medical Technology Students

*Henry Charles Alexander
 *Lawrence Archer
 Harriet Hungate Busted
 Margaret Ann Campbell
 *George Walter Davis
 Michael Nathan Farr
 Muriel Claire Gregorius
 Phyllis Esther Griffith

*Rosin Gust
 Brenda Marie Hall
 Meredith Jean Hiss
 Audney Louisa Horton
 Kenneth Hitoshi Kagiyama
 Kiyomi Kayama
 Pamela Jane Lindholm
 Barbara Claire McKay
 *William Arthur McKay

Dorothy Anne McKinnie
 *James Calvin Mason
 Betty Grimes Mitchell
 Katherine Lee Pratt
 Margaret Suzanne Rank
 Bernice M. Skoog
 Carolyn Mae Stetzer
 Robert William Woolsey

* Auditors

Summary of Enrollment, 1960-61

	<i>Men</i>	<i>Women</i>	<i>Total</i>
First year	78	2	80
Second year	68	4	72
Third year	76	2	78
Fourth year	67	3	70
Total regular students	289	11	300
Graduate students	9	6	15
Special students and auditors	6	4	10
Medical technology students	9	16	25
Total	313	37	350