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Oregon State System of Higher Education

The Oregon State System of Higher Education, as organized in 1932 by the Oregon State Board of Higher Education following a survey of higher education in Oregon by the United States Office of Education, includes all the state-supported institutions of higher education. The several institutions are elements in an articulated system, parts of an integrated whole. The educational program is organized 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 Oregon State System of Higher Education are: the University of Oregon at Eugene, Oregon State College at Corvallis, Portland State College at Portland, Oregon College of Education at Monmouth, Southern Oregon College at Ashland, and Eastern Oregon College at La Grande. 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 Eugene, Corvallis, Ashland, Monmouth, La Grande, and Salem.

Each of the institutions provides the general studies fundamental to a well-rounded education. At Oregon College of Education, Southern Oregon College, and Eastern Oregon College students may complete major work in teacher education or in general studies or may enroll in preprofessional programs. Portland State College offers major work in general studies and selected liberal arts and professional fields.

At the University of Oregon and Oregon State College two years of unspecialized work in liberal arts and sciences are provided on a parallel basis in the lower division. Major curricula, both liberal and professional, are grouped on either campus in accordance with the distinctive functions of the respective institution in the unified Oregon State System of Higher Education.

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

Term Expires

Charles Holloway, Jr., Portland.......................... 1961
A. S. Grant, Baker............................................ 1962
Cheryl S. MacNaughton, Portland.......................... 1963
J. W. Forrester, Jr., Pendleton............................ 1963
Allan Hart, Portland........................................ 1964
Douglas McKeen, Beaverton................................ 1964
Ralph E. Purvine, Salem.................................... 1965
William E. Walsh, Coos Bay................................. 1965
Henry F. Cabell, Portland.................................. 1966

Officers

Henry F. Cabell............................................. President
William E. Walsh.......................................... Vice-President
J. W. Forrester, Jr...............................Member, Executive Committee

John R. Richards, Ph.D., Chancellor
Earl M. Pallett, Ph.D., Secretary of Board

Former Chancellors

William J. Kerr, D.Sc., LL.D................................. 1932-1935
Frederick M. Hunter, Ed.D., LL.D........................ 1935-1946
Paul C. Packer, Ph.D., LL.D.............................. 1946-1950
Charles D. Byrne, Ed.D.................................. 1950-1955
University of Oregon Medical School
Calendar, 1960-61

Medical and Graduate Students

Fall Term, 1960-61
September 19, Monday. Registration
September 20, Tuesday. Instruction begins
October 3, Monday. Last day to register for full credit
or to change courses
November 24, Thursday. Thanksgiving Day, holiday
December 10, Saturday. Fall term ends

Winter Term, 1960-61
December 12, Monday. Instruction begins
December 23, Friday. Last day to register for full credit
or to change courses
December 24, 1960 to January 2, 1961. Christmas vacation
March 11, Saturday. Winter term ends

Spring Term, 1960-61
March 20, Monday. Instruction begins
April 3, Monday. Last day to register for full credit
or to change courses
May 30, Tuesday. Memorial Day, holiday
June 9, Friday. Commencement
June 10, Saturday. Spring term ends

Summer Term, 1960-61
June 12, Monday. Registration
June 12, Monday. Instruction begins
June 26, Monday. Last day to register for full credit
or to change courses
July 4, Tuesday. Independence Day, holiday
September 2, Saturday. Summer term ends

University of Oregon Medical School
Calendar, 1960-61

Medical Technology Students

Fall Term, 1960-61
September 19, Monday. Registration
September 20, Tuesday. Instruction begins
October 3, Monday. Last day to register for full credit
or to change courses
November 24, Thursday. Thanksgiving Day, holiday
December 3, Saturday. Fall term ends

Winter Term, 1960-61
December 5, Monday. Registration and instruction begins
December 19, Monday. Last day to register for full credit
or to change courses
December 24, 1960 to January 2, 1961. Christmas vacation
February 25, Saturday. Winter term ends

Spring Term, 1960-61
March 6, Monday. Registration and instruction begins
March 20, Monday. Last day to register for full credit
or to change courses
May 20, 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.
WILLIAM C. JONES, Ph.D., Acting 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; Assistant Professor.
RODNEY T. JEFFREY, B.A., Personnel Officer.

Registrar's Office

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

Student Activities

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

Library

BERTHA BRANDON HALLAM, B.A., Librarian; Professor.
ORA KRISHER GOODMAN, B.S., Catalog Librarian; Assistant Professor.
MARGARET ELIZABETH HUGHES, B.S., Circulation Librarian; Assistant Professor.
LOLITA M. McELVENY, Assistant Circulation Librarian; Instructor.
MARIE K. WAGNER, B.S., Assistant Circulation Librarian; Instructor.

Buildings and Grounds

A. J. CLEMENS, 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.

Research Instrument Service

GEORGE JOHNSTON, B.S., Research Associate.

Medical Illustration

CLARICE ASH WORTH FRANCONE, Medical Illustrator.

Photography

JAMES T. PHILLIPS, Photographer.

Printing

ALBERT L. BIGEJ, Printer.

Executive Faculty


Standing Committees

Admission and Advanced Standing—EDWARD S. WEST (chairman), RAYMOND D. GRONDAHL, HANCE F. HANKEY, JOSEPH D. MATARAZZO, E. COLTON MEEK, Jr., JOSEPH B. TRAINER, CAROLINE H. POMMARANE (ex officio).


Graduate Council—JOHN M. BROOKHART (chairman), ROBERT L. BACON, JOSEPH D. MATARAZZO, EVELYN L. OGENSKY, ETON L. MCCAWLEY, JOHN T. VAN BRUGGEN.

Henry Waldo Coe Prize—HANCE F. HANKEY (chairman).

Nonsecretaryship—HOWARD P. LEWIS (chairman), HANCE F. HANKEY.

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

Radioisotope Committee—RAYMOND D. GRONDAHL (chairman), TYRA T. HUTCHENS, EDWIN E. OSGOOD, JOHN T. VAN BRUGGEN.


Scholarships—EDWARD S. WEST (chairman), RAYMOND D. GRONDAHL, ALLAN J. HILL, WILLIAM A. ZIMMERMAN.
Emeritus Faculty

Noble Wiley Jones, M.D., Professor Emeritus of Medicine.

Frank E. Meyn, M.D., Professor Emeritus of Pathology.

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*

Justin A. Aalpool, M.D., Clinical Instructor in Surgery (1958).

B.A. (1943), M.D. (1945), University of Chicago.

John F. Abele, M.D., Assistant Clinical Professor of Orthopedic Surgery (1946).


John C. Adams, M.D., Associate 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).


Clifford V. Allen, M.D., Associate Clinical Professor of Radiology (1955).

B.S. (1953), Iowa.

Howard E. Allen, M.D., Clinical Associate in Medicine (1947).

B.A. (1935), Utah; M.D. (1938), Pennsylvania.

Carl G. Ashley, M.D., Assistant Clinical Professor of Pediatrics (1936).


Kurt W. Aumann, M.D., Clinical Instructor in Medicine (1948).


George M. Austin, M.D., Professor of Neurosurgery; Head of Division (1957).


James H. Austin, M.D., Assistant Professor of Neurology (1955).

B.S. (1948), Harvard.

S. Gorham Babson, M.D., Associate Clinical 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.

* The year in parenthesis following the name of each faculty member indicates the date of original appointment to the faculty.
ARTHUR M. BERGMAN, M.D., Clinical Associate in Medicine (1948).
B.A. (1940), M.D. (1943), New York University.

STANLEY F. BERQUIST, M.D., Clinical Instructor in Surgery (1956).

SIEGFRIED R. BURTHELSDORFF, M.D., Clinical Instructor in Psychiatry (1957).

BRUCE H. BEST, M.D., Clinical Instructor in Surgery (1956).
M.D. (1948), Manitoba.

ADALBERT G. BETTMAN, M.D., Clinical Associate in Surgery (1932).

JOHN W. BUEERMAN, M.D., Clinical Associate in Surgery (1928).

L. GWYNN C. BILLMEYER, M.D., Clinical Instructor in Pediatrics (1935).

SANTE CANIPAROLI, M.D., Clinical Instructor in Surgery (1935).


PAUL CAMPBELL, M.D., Clinical Instructor in Orthopedic Surgery (1956).
B.A. (1917), Reed; M.D. (1920), Oregon.

JOHN O. BRANFORD, M.D., Clinical Instructor in Anesthesiology (1959).
A.B. (1936), Concordia; M.D. (1946), Oregon.

MELVIN W. BRESEE, M.D., Clinical Instructor in Obstetrics and Gynecology (1948).
B.S. (1936), Oregon State; M.D. (1943), Oregon.

GWYN C. BRICK, Administrative Assistant; Assistant Director of Outpatient Clinic (Assistant Professor) (1946).

MORRIS L. BRIDGEMAN, M.D., Associate Clinical Professor of Pediatrics (1927).
B.S. (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. BRIGHTON, M.D., Clinical Instructor in Anesthesiology (1959).

JOHN D. BRISTOW, M.D., Clinical Instructor in Medicine (1960).
B.A. (1949), Willamette; M.D. (1953), Oregon.

JOHN M. BROOKHART, Ph.D., Professor of Physiology; Chairman of Department (1949).


CLARENCE W. BRUNKOW, M.D., Assistant Clinical Professor of Surgery (1927).

JAMES F. BUCKLEY, M.D., Clinical Instructor in Surgery (1932).

ROBERT E. BUCKMASTER, M.D., Clinical Instructor in Orthopedic Surgery (1953).
B.S. (1941), Hartwick; M.D. (1944), New York Medical.

WINFRED H. BUEERMAN, M.D., Clinical Associate in Surgery (1928).
B.S. (1917), Linfield; M.D. (1921), Columbia; Ph.D. (1927), Minnesota.

PAUL R. BURGNER, M.D., Clinical Instructor in Medicine (1956).

ROBERT F. BURNS, M.D., Assistant Professor of Ophthalmology (1959).
B.S. (1945), University of Portland; M.D. (1947), Oregon.

WILLIAM Y. BURT, M.D., Associate Clinical Professor of Radiology (1940).
A.B. (1931), B.S. (1931), Missouri; M.D. (1936), Washington University.

JOHN W. BUSSEMAN, M.D., Clinical Instructor in Pediatrics (1954).

JOHN L. BUTLER, M.D., Assistant Professor of Psychiatry (1958).
B.S. (1942), Idaho; M.D. (1946), Johns Hopkins.

BARNEY C. BYRNE, D.M.D., Clinical Instructor in Dental Medicine (1957).
B.S. (1939), Utah State Agricultural; D.M.D. (1949), Oregon.

NATHAN J. CAMPBELL, M.D., Clinical Instructor in Surgery (1950).
B.S. (1949), Temple.

PAUL CAMPBELL, M.D., Clinical Instructor in Orthopedic Surgery (1956).

SANTE CANTICAROLO, M.D., Clinical Instructor in Surgery (1935).

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.

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).

John D. Chase, M.D., Clinical Instructor in Medicine (1956).
B.A. (1942), Wabash; M.D. (1945), Western Reserve.

Lester R. Chauncy, M.D., Associate Professor of Surgery (1940).
B.S. (1931), Victoria; M.D. (1934), Toronto; M.S. (1939), Minnesota.

Charles L. Chauncey, M.D., Clinical Instructor in Obstetrics and Gynecology (1956).
B.S. (1933), B.S. (1934), Tulane; M.D. (1931), Louisiana State.

Bruce R. Chienoweth, M.D., Clinical Instructor in Dermatology (1956).

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. (1927), Oregon State; M.D. (1941), Oregon.

E. George Chui, 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. Clarke, 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. Cleland, M.D., Clinical Associate in Surgery (1948).
M.D., C.M. (1924), M.S. (1926), McGill.

A. J. Clemens, Superintendent of Physical Plant (Assistant Professor) (1950).

Keith M. Cleary, 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).

Charles W. Coffin, M.D., Clinical Associate in Medicine (1941).
B.S. (1932), Stanford; M.D. (1936), Johns Hopkins.

Robert M. Coffey, M.D., Clinical Instructor in Surgery (1948).
M.D. (1931), Colorado.

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.

George J. Collings, D.M.D., Clinical Instructor in Dental Medicine (1952).
D.M.D. (1949), Oregon.

Hugh Donald Colver, M.D., Clinical Instructor in Surgery (1950).
B.A. (1945), 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.

George W. Cottrell, M.D., Clinical Associate in Orthopedic Surgery (1949).

M.D. (1944), Nebraska.

Jackson T. Crank, M.D., Professor of Pathology; Chairman of Department (1960).
A.B. (1943), M.D. (1945), California.

Ralph Crawshaw, M.D., Clinical Instructor in Psychiatry (1960).
A.B. (1943), Middlebury College; M.D. (1947), New York University.

Paolo Crepeau, M.D., Assistant Professor of Physiology (1959).
M.D. (1945), University of Padua, Padua, Italy.

Claude R. Crippen, D.M.D., Clinical Instructor in Dental Medicine (1959).
B.S. (1944), U.S. Merchant Marine Academy; D.M.D. (1953), Oregon.

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.A. (1941), Idaho; M.D. (1949), Utah.

Joye Dahl, M.D., Associate Clinical Professor of Dermatology (1932).

George W. Dana, M.D., Associate Professor of Pediatrics (1951).
A.B. (1940), M.D. (1943), Harvard.

Farrington Daniels, Jr., M.D., Assistant Professor of Dermatology (1955).

B.A. (1938), University of Washington; M.S.S. (1948), University of Chicago.

Norman A. Davis, 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).

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.

William R. Davis, M.D., Clinical Associate in Dental Medicine (1951).

Estelle N. Dietz, M.D., Clinical Instructor in Medicine (1957).
M.D. (1946), Long Island College of Medicine.

John P. Dennis, M.D., Clinical Instructor in Neurosurgery (1959).
David D. Dewese, M.D., Clinical Professor of Otolaryngology; Acting Chairman of Department (1944).
A.B. (1914), 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; Clinical Instructor in Medicine (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.

Marlow Ditterbandt, M.D., Assistant Clinical Professor of Clinical Pathology (1948).

Henry H. Dixon, M.D., Clinical Professor of Psychiatry (1932).
M.D. (1928), Washington University.


Donald P. Dobson, M.D., Clinical Instructor in Anesthesiology (1957).
M.D. (1950), Boston University.

Wilson C. Dockery, Student Activities Director (Instructor) (1960).
B.S. (1937), Oregon State.

Ralph M. Dobson, M.D., Assistant Clinical Professor of Surgery (1922).
B.S. (1910), Oregon; M.D. (1914), Johns Hopkins.

Charles T. Dotter, M.D., Professor of Radiology; Chairman of Department (1952).
B.A. (1941), Duke; M.D. (1944), Cornell.

Robert S. Dow, M.D., Associate Clinical Professor of Neurology (1939).

Hilda E. Drum, Instructor in Radiological Technique (1954).

Earl D. DuBois, M.D., Assistant Clinical Professor of Medicine (1930).
B.S. (1921), Muskingum; M.D. (1925), Oregon.

J. Englebert Dunphy, M.D., Kenneth A. J. Mackenzie Professor of Surgery; Chairman of Department (1959).
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.

Harold P. Dygert, Jr., M.D., Clinical Instructor in Medicine (1956).
B.A. (1941), Rochester; M.D. (1950), Syracuse.

Augustus B. Dykman, M.D., Clinical Professor of Ophthalmology (1923).
M.D. (1914), New York University.

Zanley C. Edelson, M.D., Clinical Instructor in Surgery (1948).


*On leave of absence for Public Health Service Fellowship at the University of Washington.
KATHRYN S. FRENCH, Ph.D., Instructor in Anthropology in Pediatrics (1959).
B.A. (1942), Pomona; Ph.D. (1953), Columbia.
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DAVID C. FRIESE, M.D., Clinical Instructor in Dermatology (1952).
LOUIS H. FRIESE, 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.
TOSHIRO FUJIKURA, M.D., Instructor in Pathology and Obstetrics and Gynecology (1960).
M.D. (1950), Keio Gijuku University School of Medicine, Shinano-ku, Shinjuku, Tokyo, Japan.

MALCOLM E. FULLER, M.D., Clinical Instructor in Obstetrics and Gynecology (1959).
B.S. (1942), Florida; M.D. (1951), Oregon.
REMY W. FULSHE, M.D., Clinical Instructor in Obstetrics and Gynecology (1955).
M.D. (1950), Ohio State.

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B.A. (1928), Cornell; M.D. (1933), Royal University of Turin (Italy).

WILLIAM P. GALLEN, M.D., Assistant Clinical Professor of Medicine (1953).

CALVIN E. GANTENBEIN, M.D., Clinical Instructor in Orthopedic Surgery (1950).
B.A. (1921), M.D. (1933), Oregon.

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B.A. (1935), Utah; M.D. (1939), Cornell.

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B.A. (1940), Reed; M.D. (1943), Oregon.

MARTIN F. GILMORE, M.D., Clinical Associate in Medicine (1942).
B.S. (1935), Carroll; M.D. (1939), St. Louis.

LEONARD M. GOLDBERG, M.D., Clinical Instructor in Medicine (1959).
B.A. (1951), Reed; M.D. (1955), Oregon.

MARVIN C. GOODMAN, M.D., Clinical Associate in Medicine (1958).

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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. (1931), Oregon State; M.D. (1937), Oregon.

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B.A. (1939), M.D. (1941), Oregon.

MARVIN GREENBAUM, Ph.D., Assistant Professor of Medical Psychology (1955).

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B.A. (1927), M.D. (1911), Oregon.

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RAY V. GREWE, M.D., Clinical Instructor in Neurosurgery (1958).
B.S. (1945), University of Washington; M.D. (1947), Oregon.

HERBERT E. GRIESWOLD, M.D., Professor of Medicine; Head of Division of Cardiovascular Renal Diseases (1949).
B.A. (1939), Reed; M.S. (1943), Oregon.

RAYMOND D. GRODKAHL, 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.


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CHARLES E. GURNEY, M.D., Associate Clinical Professor of Surgery (1939).
B.S. (1929), M.D. (1930), Nebraska; M.S. (1938), Minnesota.

RUSSELL G. GUSTAVSON, M.D., Clinical Instructor in Surgery (1957).
B.A. (1950), M.D. (1952), Nebraska.

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B.S. (1945), Texas Western; M.D. (1952), Texas.

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B.A. (1946), Whitman; M.D. (1949), Oregon.

CLIFFORD E. HARDWICK, M.D., Associate Clinical Professor of Surgery (1947).
B.S., M.D. (1939), Oregon.

ROBERT L. HARE, M.D., Clinical Instructor in Medicine (1956).

BERNARD F. HARPOL, M.D., Clinical Instructor in Surgery (1949).
B.S. (1935), M.D. (1939), St. Louis.

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B.A. (1942), Reed; M.D. (1945), Oregon.

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B.S.M. (1941), M.D. (1942), Creighton.

WILLIAM L. HAUTMANN, M.D., Clinical Instructor in Obstetrics and Gynecology (1954).
B.S. (1915), Harvard; M.D. (1919), Johns Hopkins.

JOHN L. HASKINS, M.D., Assistant Clinical Professor of Psychiatry (1939).
B.S., M.D. (1916), Minnesota.

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Tosho Inahara, M.D., Clinical Instructor in Surgery (1956).

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Sheldon A. Jacobson, M.D., Associate Clinical Professor of Pathology (1959).
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.

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M.D. (1948), Nebraska.

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B.A. (1930), M.D. (1933), Oregon.

Arthur C. Jones, M.D., Clinical Professor of Physical Medicine in Surgery (1929).
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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).
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Noble Wiley Jones, M.D., Professor Emeritus of Medicine (1910).
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B.A. (1931), Reed; M.D., C.M. (1937), McGill.

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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.

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LOLITA B. MCELVENY, Assistant Circulation Librarian (Instructor) (1954).


DONALD MCKINLEY, M.D., Clinical Instructor in Psychiatry (1958). B.A. (1940), Reed; M.D. (1942), Oregon.

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ROBERT W. MARSH, M.D., Clinical Associate in Surgery (1951).
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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.

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JOHN CLIFFTON MASSAR, M.D., Assistant Clinical Professor of Dermatology (1955).
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RUTH G. MATARAZZO, Ph.D., Assistant Professor of Medical Psychology (1957).

WILLARD L. MATHIessen, M.D., Clinical Instructor in Surgery (1956).
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ROY R. MATTERI, M.D., Clinical Associate in Medicine (1946).
B.S. (1940), M.D. (1942), Creighton.

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ROBERT E. MESSNER, M.D., Clinical Instructor in Medicine (1956).
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B.A. (1951), Oregon State; M.S. (1953), Oregon.

THOMAS R. MONTGOMERY, M.D., Associate Clinical Professor of Pathology (1953).
B.S. (1941), Oregon State; M.D. (1944), Johns Hopkins.

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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. (1943), Kansas; M.A. (1948), Columbia.

ROLAND C. MERRIFIELD, M.D., Clinical Professor of Ophthalmology (1953).

DONALD C. METTLER, M.D., Assistant Clinical Professor of Otolaryngology (1956).


ROBERT D. MICHEL, M.D., Instructor in Medicine (1958).

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THOMAS R. MONTGOMERY, M.D., Associate Clinical Professor of Urology (1939).

DAVID W. MOORE, M.D., Clinical Instructor in Obstetrics and Gynecology (1953).
B.S. (1947), Western Reserve.

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B.S. (1920), Oregon; M.D. (1924), Jefferson.

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ROBERT J. MOORE, M.D., Clinical Instructor in Urology (1960).
B.A. (1951); M.D. (1955), Oregon.

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M.D. (1933), Iowa.
JOHN J. O’HOLLAIREN, M.D., Clinical Instructor in Medicine (1959).

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DONALD E. O’LON, M.D., Clinical Associate in Medicine (1955).

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MEDICAL SCHOOL

RUTH D. PETERSON, Ph.D., Assistant Professor of Biochemistry (1953).

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BERNARD PIROFSKY, M.D., Assistant Professor of Medicine (1956).

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B.A. (1944), Harvard; M.D. (1945), Oregon.

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B.S. (1928), Nebraska.

JOHN KARL POPPE, M.D., Clinical Associate in Surgery (1946).
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IRVING PIZZI, M.D., Clinical Instructor in Surgery (1956).

JOHN RAAP, M.D., Clinical Professor of Neurosurgery; Senior Consultant in Neurosurgery (1937).
M.D. (1930), Stanford.

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M.D. (1953), Washington University.
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B.S. (1926), Yale; M.D. (1931), New York University; M.D. (1940), Harvard.

HARRY L. SASLOW, Ph.D., Professor Emeritus of Bacteriology (1918).

LAURENCE SELLING, M.D., Professor Emeritus of Medicine (1912).
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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, M.D., Assistant Clinical Professor of Pediatrics (1951).
B.A. (1945), Texas Technological; M.D. (1946), Tulane.

AMBROSE B. SHIELDS, M.D., Clinical Instructor in Surgery (1942).
M.D. (1940), Kansas.

FRED C. SHIPPS, M.D., Clinical Instructor in 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.

PAUL H. SHLEIGH, M.D., Clinical Associate in Ophthalmology (1957).
B.A. (1923), Brown; M.A. (1931), New York University; M.D. (1933), University of Chicago.

MAX SIMONS, M.D., Clinical Instructor in Otolaryngology (1930).
M.D. (1924), Oregon.

FRANK SISLER, M.D., Clinical Instructor in Psychiatry (1957).

RICHARD L. SLEETRE, M.D., Associate Professor of Pediatrics (1953).
B.A. (1940), Oregon; M.D. (1943), Washington University.
FACULTY

GRiFFiTH S. STAHR, M.D., Clinical Instructor in Pathology (1959).
B.S. (1947), Jamestown; M.D. (1951), Northwestern.

HOWARD C. STEARNS, M.D., Clinical Professor of Obstetrics and Gynecology (1932).

DAVID STEFFANOFF, M.D., Clinical Associate in Surgery (1951).

JOHN W. STEPHENS, M.D., Clinical Associate in Medicine (1953).
B.S. (1939), M.D. (1944), Alberta.

MAX J. STEPHENSON, M.D., Instructor in Pediatrics (1960).

JANICE R. STEVENS, M.D., Assistant Professor of Neurology (1950).
B.A. (1944), Reed; M.D. (1949), Boston University.

RUDOLPH B. STEVENS, M.D., Clinical Instructor in Surgery (1956).

JOHN L. STEVENSON, M.D., Clinical Instructor in Pediatrics (1957).

WILLIAM A. STOTLER, Ph.D., Associate Professor of Anatomy (1946).
A.B. (1935), Westminster; M.S. (1937), St. Louis; Ph.D. (1943), Cornell.

KURT R. STRAUBE, M.D., Instructor in Radiology (1960).

ROY L. SWANK, M.D., Professor of Medicine; Head of Division of Neurology (1953).
B.S. (1930), University of Washington; M.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. (1935), 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 Obstetrics and Gynecology (1954).
B.S. (1944), Oregon State; M.D. (1945), Oregon.

RUDOLPH C. TALL, D.M.D., Clinical Associate in Dental Medicine (1956).
B.S. (1928), Oregon.

ELLEN L. TALMAN, Ph.D., Assistant Professor of Biochemistry (1955).
B.A. (1942), Reed; M.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.

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.

B.S. (1938), B.M. (1940), M.D. (1941), Illinois.


Bruce L. Titus, M.D., Assistant Clinical Professor of Otolaryngology (1943).

William T. 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. Theanor, M.D., Clinical Instructor in Obstetrics and Gynecology (1939).
B.A. (1950), Syracuse; M.D. (1954), New York State University.

John P. Thomma, 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. Turey, M.D., Associate Clinical Professor of Medicine; Head of Division of Chest Diseases (1948).
B.A. (1925), M.D. (1938), Oregon.

Archie R. Tunturi, M.D., Associate Professor of Anatomy (1945).
B.A. (1939), Reed; M.S. (1943), Ph.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 (1938).
B.A. (1950), Stanford; M.S. (1951), 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).

Clemens W. Van Rooy, M.D., Clinical Instructor in Pediatrics (1958), M.D. (1948), St. Louis.


Charles Varga, M.D., Clinical Instructor in Pediatrics (1956).
B.S. (1939), Rutgers; M.D. (1944), New York Medical College.

Lytle Veazie, Ph.D., Associate Professor of Bacteriology (1942).

R. Mark Vetto, M.D., Assistant Clinical Professor of Surgery (1959).

B.S. (1940), State Teachers College, West Chester, Pennsylvania.

Sheldon A. Walker, M.D., Associate Clinical Professor of Dermatology (1955).
M.D. (1942), Iowa.

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.

Sue A. Warren, Ph.D., Clinical Instructor in Medical Psychology (1960).

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. Watson, M.D., Clinical Instructor in Surgery (1952).
A.B. (1939), Dartmouth; M.D. (1943), Michigan.

Adolph Weinzerl, M.D., Professor of Public Health and Preventive Medicine; Chairman of Department (1937).

Warren S. Welborn, M.D., Clinical Instructor in Medicine (1956).

John D. Welch, M.D., Clinical Associate in Medicine (1946).
B.A. (1936), Willamette; M.D. (1940), Oregon.

Alvin D. West, 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. (1946), St. Louis.

James M. Whiteley, M.D., Clinical Instructor in Obstetrics and Gynecology (1943).

James P. Whittmore, 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).

Richard H. Wixel, 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.

M.D. (1923), Oregon.

Kenneth C. Wilhelmi, M.D., Clinical Instructor in Medicine (1956).
B.S. (1946), University of Washington; M.D. (1949), Oregon.

* On leave of absence.
MEDICAL SCHOOL


CHARLES P. WILSON, M.D., Assistant Clinical Professor of Medicine (1944). A.B. (1920), Reed; M.D. (1924), Johns Hopkins.


RICHARD D. WILSON, M.D., Clinical Instructor in Medicine (1954). B.S. (1943), University of Washington; M.D. (1946), Medical College of Virginia.

WILLIAM M. WILSON, M.D., Associate Clinical Professor of Obstetrics and Gynecology (1928). B.S. (1921), Case School of Applied Science; M.B. (1926), M.D. (1927), Cincinnati.

RICHARD D. WILSON, M.D., Clinical Instructor in Medicine (1954). B.S. (1943), University of Washington; M.D. (1946), Medical College of Virginia.

WILLIAM M. WILSON, M.D., Associate Clinical Professor of Obstetrics and Gynecology (1928). B.S. (1920), Whitman; M.D. (1924), Johns Hopkins.

GORDON T. WILSON, M.D., Assistant Clinical Professor of Medicine (1944). A.B. (1920), Reed; M.D. (1924), Johns Hopkins.


IVAN M. WOOLLEY, M.D., Clinical Associate in Radiology (1924). M.D. (1919), Oregon.


ROBERT W. ZELLER, M.D., Assistant Clinical Professor of Ophthalmology (1951). M.D. (1944), Loyola.


WILLIAM A. ZIMMERMAN, B.S., Assistant to the Dean; Business Manager; Assistant Administrator of Hospitals and Clinics (Professor) (1945). B.S. (1939), Oregon.

*ROBERT A. WISE, M.D., Associate Clinical Professor of Surgery (1947). B.A. (1922), M.D. (1925), Columbia.

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.

DAVE D. DEWESE, M.D., Acting 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.

ALLAN J. HILL, Jr., M.D., Chief of Pediatric Service.

CLARENCE V. HOGBE, M.D., Chief of Urological Service.

ARTHUR C. JONES, M.D., Chief of Physical Medicine.

J. ENGLEBERT DUNPHY, M.D., Chief of Surgical Service.

HAROLD J. NOYES, B.D.S., M.D., Chief of Dental Medical Service.

GEORGE SABLOW, 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.

LUCY P. MARTIN, R.N., C.R.L., Chief Record Librarian.

MARJORIE R. MERRICK, B.S., Chief of Admitting Service.

E. H. EMPEERER, B.S., Chief Pharmacist.

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.

SHIRLEY M. THOMPSON, M.A., R.N., Director of Nursing Service.

BETTY WEIBLE, B.S., R.N., Pediatric Supervisor.

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.

LUCY 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. EMPEERER, B.S., Chief Pharmacist.
MARIAN GREEN, M.S., R.N., Auxiliary Personnel Supervisor.
EVELYN BARTON, R.N., Night Supervisor.
VIRGINIA MCMULLEN, B.S., R.N., Evening Supervisor.
THELMA CROSSLAND, R.N., Assistant Night Supervisor.
VIOLA ROBINSON, B.S., R.N., Assistant Evening Supervisor.
DOROTHY CAHILL, R.N., Head Nurse.
CATHERINE CANNARD, R.N., Head Nurse.
BEATRICE DUFFY, B.S., R.N., Head Nurse.
BETTY JO EDDINS, R.N., Head Nurse.
EVA ERNIS, B.S., 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.
DORIS STITLEY, 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.
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. BISHEAR, B.S., Dietitian.

Multnomah Hospital

JARVIS GOULD, M.D., Administrator and Assistant Medical Director.
GAIL RANKIN, 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.
ARVYS 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 SHARE, R.N., Surgical Supervisor.
EMMA H. McWILLIAMS, R.N., Night Supervisor.
JEAN CALDowell, B.S., R.N., Head Nurse.
LAURA GREEN, R.N., Head Nurse.
ESTHER HENDERSON, R.N., Head Nurse.
JOAN NAYSMITH, R.N., Head Nurse.
LEANNE POOLE, R.N., Head Nurse.
JEAN SCHRapper, R.N., Head Nurse.
BERNICE SEETER, B.S., R.N., Head Nurse.

HOSPITALS AND CLINICS

JOYCE VERCHELLINO, 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. DOENEKA, Chief Engineer.
DAVID E. ANDERSON, Office Supervisor.
RAMONA McCABE, 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.
ELSIA SWARTZ, R.N., Supervisor.
JACKLYN PROKOPCHICK, R.N., Evening Supervisor.
NELIE WHITFIELD, R.N., Night Supervisor.
BEVERLY BRYAN, R.N., Head Nurse.
LUCILLE DORRIS, R.N., Head Nurse.
MARGARET RYAN, R.N., Head Nurse.
MADELYN HABEGER, B.S., Dietitian.
GRACE BLACK, O.T.R., Occupational Therapist.

Visiting Physicians' Service

RANDALL WHITE, M.D., Multnomah County Physician.
C. W. COTRELL, M.D., Physician.
HAROLD DOBBIN, M.D., Physician.
ANTON D. ELMS, M.D., Physician.
NORMAN J. LOGAN, M.D., Physician.
DONALD P. MCGREAVEY, M.D., Physician.
CEILOUS L. WILLIAMS, M.D., Physician.
JAMES WOOD, M.D., Physician.

Crippled Children's Division

RICHARD L. SLEETE, 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.
ALBERT STARR, M.D., Assistant Professor of Surgery.
LAURENCE R. LANGSTON, M.D., Clinical Associate in Orthopedic Surgery.
HARRY L. SASLOW, Ph.D., Instructor in Medical Psychology.
SAMUEL G. FLETCHER, Ph.D., Research Associate in Speech Pathology.
GLADYS BELL, A.B., Medical Social Consultant.
ADELE T. MARTZ, B.A., Medical Social Consultant.
RUTH W. SPOERLI, M.S.S., Medical Social Consultant.
IRENE A. BACON, B.S., R.P.T., Physical Therapist.
SUSAN G. FLETCHER, B.S., Occupational Therapist.
MARGARET A. COSTELLO, Administrative Assistant.
General Information

THE UNIVERSITY OF OREGON MEDICAL SCHOOL is located in Portland (population 405,000), the largest city in the state of Oregon. Situated on the Willamette River near its junction with the Columbia River, Portland is a city of diverse business and industrial activities and, although 85 miles from the Pacific Ocean, an important seaport. The city is well-known for its beautiful homes, parks, and boulevards and for its mild climate. The foothills of the Cascade Mountains rise on the outskirts of Portland; 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, when they graduated 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. McKenzie Hall (1922), the second unit of the Medical Science Building, was financed through an appropriation of $135,000 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 Oregon Rhumatism Clinic and the origin of 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, 1930), 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 the 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 Florman, 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 72,000 volumes of books and periodicals, as well as a large number of unbound periodicals. Approximately 1,300 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 contribute to the annual operating fund. Acknowledgment of gifts to the Library is made in a printed list in the annual Commencement program.

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

**Philosophy and Objectives**

**Medical Science Building**

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

- The Laboratory and Administration Building (1949) was financed through a state appropriation of $653,000. The building houses facilities for the basic science departments, together with administrative offices for the Medical School.

- The Physical Plant Shop and Warehouse (1933) 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 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 $630,000. 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 82 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 99). 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 120 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.

**Research**

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 the division of 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 pages 99-103).

**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 indi-
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. Alpha Kappa Kappa and Phi Beta Pi maintain "houses" which provide living quarters for members.

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 each 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 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, and may follow their religious preference by attending any of Portland's many churches.

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.

A Student Activities Building, providing recreational and athletic facilities for the use of all students on the campus was opened in the summer of 1960.
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 maintains 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 a 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 $8,000 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. Griffith Scholarships. Three $500 scholarships are awarded each year from a fund established in 1959 through a bequest from Mrs. James P. Griffith 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. Muellenhaupt 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 the 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 benefit of Oregon 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 are available from Federal funds under the provisions of the National Defense Education Act. The usual loan is $500 a year.

Dr. Francis Ortschild Memorial Fund. This loan fund, approximately $65,000, was established in 1960 through a bequest under the will of Viola Ortschild 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 1960-61 are:

<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Arthur W. Sullivan</td>
<td>President</td>
<td>Portland</td>
</tr>
<tr>
<td>Dr. Joseph E. Nollgen</td>
<td>Vice-President</td>
<td>Portland</td>
</tr>
<tr>
<td>Dr. Harry G. Beckwith</td>
<td>Vice-President</td>
<td>Wheeler</td>
</tr>
<tr>
<td>Dr. Thomas W. E. Christmas</td>
<td>Vice-President</td>
<td>Palo Alto, California</td>
</tr>
<tr>
<td>Dr. William E. Grieve</td>
<td>Vice-President</td>
<td>Spokane</td>
</tr>
<tr>
<td>Dr. Owen G. Miller</td>
<td>Vice-President</td>
<td>Salem</td>
</tr>
<tr>
<td>Dr. John E. Tashjian</td>
<td>President</td>
<td>Portland</td>
</tr>
<tr>
<td>Dr. Doyle O. Dahl</td>
<td>Secretary</td>
<td>Portland</td>
</tr>
<tr>
<td>Joseph J. Adams</td>
<td>Treasurer</td>
<td>Portland</td>
</tr>
</tbody>
</table>
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. Admission to the Medical School is based upon two types of qualifications. 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 College, and most of the colleges and universities of the Pacific Northwest recognize credit earned by a student during his first year at the Medical School as credit earned in residence toward the bachelor's degree.

Application Procedure. Application forms may be obtained from the Medical School Registrar, and all credentials should be sent to that office. Because the Committee on Admissions begins examining applications a year in advance of

* 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.
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, 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 admissions, 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.

**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. Acknowledgment of notification of acceptance should be made promptly in writing by the successful applicant.

**Acceptance of Appointment.** When an applicant is offered admission to the Medical School and wishes to accept this admission, a deposit of $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 fail to appear 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 determined by the student 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 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 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

FEES AND DEPOSITS paid by students at the University of Oregon Medical School are as follows:

**Regular Fees**

<table>
<thead>
<tr>
<th>Item</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuition, per term</td>
<td>$60.00</td>
</tr>
<tr>
<td>Laboratory and course fee, per term</td>
<td>$117.00</td>
</tr>
<tr>
<td>Building fee, per term</td>
<td>$8.00</td>
</tr>
<tr>
<td>Incidental fee, per term</td>
<td>$21.00</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>$79.00</td>
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</table>

For graduate students registered for 6 term hours of work or less:

<table>
<thead>
<tr>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>$19.50 per term hour (minimum, $21.00 per term)</td>
</tr>
</tbody>
</table>

For graduate students employed as graduate or research assistants or fellows, per term:

<table>
<thead>
<tr>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>$8.00</td>
</tr>
<tr>
<td>$21.00</td>
</tr>
</tbody>
</table>

**Graduate Fees**

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

<table>
<thead>
<tr>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>$60.00</td>
</tr>
<tr>
<td>$117.00</td>
</tr>
<tr>
<td>$8.00</td>
</tr>
<tr>
<td>$21.00</td>
</tr>
</tbody>
</table>

Nonresident fee, per term (in addition to fees for resident students)............$101.00

**Special Fees**

<table>
<thead>
<tr>
<th>Item</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Registration and laboratory fee</td>
<td>$29.00</td>
</tr>
<tr>
<td>for special students registered for 6 term hours of work or less</td>
<td>$17.00 per term hour (minimum, $34.00 per term)</td>
</tr>
<tr>
<td>Auditor’s fee for lectures, per term hour</td>
<td>$3.50</td>
</tr>
<tr>
<td>Transcript fee</td>
<td>$1.00</td>
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<tr>
<td>Evaluation fee</td>
<td>$5.00</td>
</tr>
</tbody>
</table>

**Miscroscopes**

Microscopes are available for students who wish to rent them, for a fee of $5.00 a term.

**Fee Refunds**

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

**Estimate of Yearly Expenses**

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

<table>
<thead>
<tr>
<th>Item</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuition and fees, full-time resident students</td>
<td>$618.00</td>
</tr>
<tr>
<td>Tuition and fees, full-time nonresident students</td>
<td>$921.00</td>
</tr>
<tr>
<td>Breakage deposit</td>
<td>$15.00</td>
</tr>
<tr>
<td>Microscope fee</td>
<td>$15.00</td>
</tr>
<tr>
<td>Books and supplies</td>
<td>$135.00</td>
</tr>
<tr>
<td>Board and room</td>
<td>$1,000.00</td>
</tr>
<tr>
<td>Personal expenses</td>
<td>$200.00</td>
</tr>
</tbody>
</table>

**Regulations Governing Nonresident Fee**

The Oregon State Board of Higher Education has ruled that anyone who comes into the state of Oregon for the purpose of attending one of the institutions under the control of the Board, and who for any reason is not qualified for classification as a resident of the state of Oregon, shall pay the nonresident fee, except:

1. A student who holds a degree from an accredited college or university and is registered in a curriculum other than professional dentistry, law, or medicine.
2. A student attending summer session.
3. A student paying part-time fees.
4. A student whose parent is a regular employee of the Federal government stationed in Oregon.
5. A student who has been a resident of Hawaii or Alaska for two years immediately preceding admission to the Medical School.
6. A student whose father is domiciled in the state of Oregon as defined under (1) below.

The residence or domicile of a student is normally that of his father; if his father is not living, it is normally that of his mother. In case of parents' divorce, the domicile of a student is generally determined by the residence of the parent to whom custody is granted by the court. The domicile of a wife is normally that of her husband; if both are students, the wife's residence status is determined by that of the husband. The domicile of a student who is independent of the relations mentioned above is determined by rule (1) below. An alien cannot begin to establish residence until he has convincingly demonstrated his intention to become a citizen.
The Board has established the following rules to be observed in determining the residence status of students:

1. Residence and domicile are synonymous and domicile shall be considered to be a fixed permanent residence to which the student has the intention of returning. The fixed permanent residence must normally have been maintained for at least twelve months prior to the school term for which resident classification is sought and must be a bona fide residence which the student has no intention of changing when the school period has expired. Proven actual residence and intention to remain must exist simultaneously. Factors used in considering intent include length of time within the state, age and family status of student, residence of near relatives, place of voting, ownership of property, source of financial support, record of employment and schooling (intent cannot be demonstrated by school attendance alone).

2. A student whose official record shows his own or his parent's domicile to be outside of Oregon is prima facie a nonresident, and the burden is upon the student to prove the contrary. If his official transcripts of academic record show attendance at a school outside of Oregon, he may be required to furnish further proof of Oregon domicile.

3. A nonresident at the time of enrollment is held to that classification throughout his attendance as a student, except where he can prove that his or her parents' previous domicile has been abandoned and a new one established in Oregon in accordance with these regulations. A resident student will be reclassified as nonresident at any time his Oregon domicile is lost.

**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

*This twelve-month period must include at least six consecutive months during which the student was not enrolled for full-time work in a collegiate educational institution.*
city 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 year's work beyond high school. The first three years must be satisfactorily completed before admission to the Medical School in Portland. Since facilities for instruction provide for the acceptance of only a limited number of applicants, completion of premedical studies does not guarantee admission to the Medical School.

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

The prescribed and recommended subjects for the three premedical years are described under Admissions and Requirements. In the first, second, third, and fourth years at the Medical School there are 5,454 class hours of required work. Descriptions of courses are to be found under the several departmental headings.

Prescribed Work

First Year

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Aggregate class hours</th>
<th>Lecture Lab.</th>
<th>Clinic</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>An 411, 412, 413 - Gross Anatomy</td>
<td>84</td>
<td>288</td>
<td>320</td>
<td>15</td>
</tr>
<tr>
<td>An 414 - Histology</td>
<td>54</td>
<td>108</td>
<td>144</td>
<td>6</td>
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<tr>
<td>An 415 - Neurology</td>
<td>24</td>
<td>72</td>
<td>96</td>
<td>4</td>
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<tr>
<td>Bch 411, 412 - Biochemistry</td>
<td>96</td>
<td>180</td>
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<tr>
<td>Phys 511 - Human Physiology</td>
<td>60</td>
<td>108</td>
<td>168</td>
<td>8</td>
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<tr>
<td>Med Pr 411, 412 - Intro. to Medical Psychology</td>
<td>48</td>
<td>36</td>
<td>6</td>
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<tr>
<td>Pr 411 - Statistical Methods</td>
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<td>48</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>384</strong></td>
<td><strong>864</strong></td>
<td><strong>1,248</strong></td>
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Second Year

<table>
<thead>
<tr>
<th>Course Title</th>
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<tbody>
<tr>
<td>Bsc 413, 414 - Med. Microbiology &amp; Immunology</td>
<td>72</td>
<td>144</td>
<td>216</td>
<td>10</td>
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<tr>
<td>CP 511 - Intro. to Clinical Pathology</td>
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<td>72</td>
<td>108</td>
<td>5</td>
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<tr>
<td>Pth 511, 512 - General Pathology</td>
<td>72</td>
<td>144</td>
<td>216</td>
<td>10</td>
</tr>
<tr>
<td>Pth 513 - Laboratory Neurology</td>
<td>12</td>
<td>24</td>
<td>36</td>
<td>1 1/2</td>
</tr>
<tr>
<td>Pte 511, 512 - Pharmacology</td>
<td>96</td>
<td>108</td>
<td>168</td>
<td>10</td>
</tr>
<tr>
<td>Phy 412 - Human Physiology</td>
<td>48</td>
<td>72</td>
<td>120</td>
<td>6</td>
</tr>
<tr>
<td>Med 612, 613, 614 - Physical Diagnosis</td>
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<td>144</td>
<td>216</td>
<td>9</td>
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<tr>
<td>Pth 511, 512 - Interview Tech. &amp; Psychiat Med.</td>
<td>24</td>
<td>48</td>
<td>72</td>
<td>4</td>
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<tr>
<td>Pth 513 - Laboratory Pathology</td>
<td>36</td>
<td>72</td>
<td>120</td>
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<tr>
<td>Sur 612, 615, 617 - Introduction to Surgery</td>
<td>24</td>
<td>24</td>
<td>3</td>
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<tr>
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Third Year

<table>
<thead>
<tr>
<th>Course Title</th>
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<tbody>
<tr>
<td>Pth 514 - Gyn. and Obst. Pathology</td>
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<td>Pth 615, 616 - Clin. Pathology Conference</td>
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<tr>
<td>Med 615, 616, 617 - Lectures in Internal Medicine</td>
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<td>84</td>
<td>7</td>
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<tr>
<td>Med 630 - Clinical Clerkship</td>
<td>276</td>
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<tr>
<td>Der 615, 616, 617 - Lect. &amp; Demon. in Dermatology</td>
<td>36</td>
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<td><strong>Total</strong></td>
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Fourth Year

<table>
<thead>
<tr>
<th>Course Title</th>
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<tbody>
<tr>
<td>Psy 615 - Lectures in Clinical Psychology</td>
<td>12</td>
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<td>1</td>
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<tr>
<td>Psy 630 - Clinical Clerkship</td>
<td>72</td>
<td>72</td>
<td>3</td>
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<tr>
<td>Rad 615, 616, 617 - Radiographic Diagnosis</td>
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<td>PH 511 - Principles of Public Health</td>
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<td>Sur 615, 616 - Minor Surgery</td>
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<td>Sur 617, 618, 619 - Lectures on Surgery</td>
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<td>Sur 631 - Clinical Clerkship</td>
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<tr>
<td>Orth Surg 615 - Orthopedics</td>
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<td>Orth Surg 616, 617 - Surgery of the Extremities</td>
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<td>2</td>
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<tr>
<td>Orth Surg 630 - Orthopedic Clerkship - Clinic</td>
<td>24</td>
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<tr>
<td>Orth Surg 631 - Fractures and Joints Injuries</td>
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<td>Orth Surg 632 - Treatment of Genito-Urinary Tract</td>
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<tr>
<td>Ortb Surg 630 - Urology Clerkship - Clinic</td>
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<td>Obs 631 - Clinical Clerkship</td>
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<td>Obs 632 - Regional Anesthesia</td>
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<td>Near Surg 630 - Neurosurgical Seminar</td>
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<td>CH 630 - Engineering Clerkship</td>
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<td>DM 650 - Dent. Facial Growth &amp; Oral Path</td>
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<td><strong>498</strong></td>
<td><strong>24</strong></td>
<td><strong>1,614</strong></td>
<td><strong>88 1/2</strong></td>
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</table>
### Academic Regulations

#### Aggregate Class Hours

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<tr>
<th>Term</th>
<th>Lecture</th>
<th>Lab</th>
<th>Clinic</th>
<th>Total</th>
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</thead>
<tbody>
<tr>
<td>First year</td>
<td>384</td>
<td>864</td>
<td>1,248</td>
<td>56</td>
</tr>
<tr>
<td>Second year</td>
<td>504</td>
<td>612</td>
<td>1,188</td>
<td>62 1/4</td>
</tr>
<tr>
<td>Third year</td>
<td>510</td>
<td>24</td>
<td>1,052</td>
<td>88 1/4</td>
</tr>
<tr>
<td>Fourth year</td>
<td>132</td>
<td>16</td>
<td>1,236</td>
<td>64 1/4</td>
</tr>
<tr>
<td>Total</td>
<td>1,518</td>
<td>1,516</td>
<td>2,400</td>
<td>5,454</td>
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#### Prescribed Work by Departments

**Preclinical**

<table>
<thead>
<tr>
<th>Department</th>
<th>Aggregate Class Hours</th>
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<tbody>
<tr>
<td>Anatomy</td>
<td>708</td>
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<tr>
<td>Bacteriology</td>
<td>216</td>
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<tr>
<td>Biochemistry</td>
<td>276</td>
</tr>
<tr>
<td>Clinical Pathology</td>
<td>108</td>
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<td>Pathology</td>
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<td>Pharmacology</td>
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<td>Public Health</td>
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<td>Total, preclinical</td>
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**Clinical**

<table>
<thead>
<tr>
<th>Department</th>
<th>Aggregate Class Hours</th>
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<tbody>
<tr>
<td>Psychiatry Outpatient Clinic &amp; Clerk</td>
<td>3</td>
</tr>
<tr>
<td>Surgery</td>
<td>12</td>
</tr>
<tr>
<td>General Surgical Clinic</td>
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<tr>
<td>Surgery Outpatient Clinic</td>
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<tr>
<td>Surgical Conference</td>
<td>12</td>
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<tr>
<td>Clinical Pathology</td>
<td>36</td>
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<tr>
<td>Physical Medicine</td>
<td>24</td>
</tr>
<tr>
<td>Orth Surg.</td>
<td>36</td>
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<tr>
<td>Dis. of Genito-Urinary Tract</td>
<td>12</td>
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<td>Urol.</td>
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<td>Urol. Outpatient Clinic</td>
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<td>Anesthesia Clerkship</td>
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<tr>
<td>Psychiatry Outpatient Clinic</td>
<td>12</td>
</tr>
<tr>
<td>Eye</td>
<td>12</td>
</tr>
<tr>
<td>Eye Outpatient Clinic</td>
<td>12</td>
</tr>
<tr>
<td>Ophthalmology</td>
<td>36</td>
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<tr>
<td>Ophthalmology</td>
<td>36</td>
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<tr>
<td>Obstetrics</td>
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<tr>
<td>Obstetrics Outpatient Clinic</td>
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<td>Spec. Prob. in Obs. Outpatient Clinic</td>
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<tr>
<td>Postnatal Outpatient Clinic</td>
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<td>Gynecology</td>
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<td>Gynecology Outpatient Clinic</td>
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<td>Gynecology Tumor Outpatient Clinic</td>
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<td>Pediatrics</td>
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<td>Pediatric Outpatient Clinic</td>
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<tr>
<td>Pediatric Outpatient Specialty Clinic</td>
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#### Recapitulation

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<tr>
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<th>Lecture</th>
<th>Lab</th>
<th>Clinic</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>First year</td>
<td>384</td>
<td>864</td>
<td>1,248</td>
<td>56</td>
</tr>
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</tr>
<tr>
<td>Third year</td>
<td>510</td>
<td>24</td>
<td>1,052</td>
<td>88 1/4</td>
</tr>
<tr>
<td>Fourth year</td>
<td>132</td>
<td>16</td>
<td>1,236</td>
<td>64 1/4</td>
</tr>
<tr>
<td>Total</td>
<td>1,518</td>
<td>1,516</td>
<td>2,400</td>
<td>5,454</td>
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### Curriculum in Medicine

<table>
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<tr>
<th>Department</th>
<th>Aggregate Class Hours</th>
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<tbody>
<tr>
<td>Medicine</td>
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<tr>
<td>Dermatology</td>
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<tr>
<td>Neurology</td>
<td>12</td>
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<tr>
<td>Dental Medicine</td>
<td>228</td>
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<td>Psychiatry</td>
<td>36</td>
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<tr>
<td>Radiology</td>
<td>108</td>
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<td>Public Health</td>
<td>96</td>
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<td>Surgery</td>
<td>24</td>
</tr>
<tr>
<td>General Surgery</td>
<td>576</td>
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<tr>
<td>Orthopedic Surgery</td>
<td>120</td>
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<tr>
<td>Urology</td>
<td>24</td>
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<tr>
<td>Anesthesiology</td>
<td>24</td>
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<tr>
<td>Neurosurgery</td>
<td>156</td>
</tr>
<tr>
<td>Ophthalmology</td>
<td>48</td>
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<tr>
<td>Otolaryngology</td>
<td>60</td>
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<tr>
<td>Obstetrics</td>
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</tr>
<tr>
<td>Gynecology</td>
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<tr>
<td>Pediatrics</td>
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<tr>
<td>Total, clinical</td>
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</tr>
</tbody>
</table>

**Total hours, preclinical**: 2,076
Description of Courses

Course Numbering System

MEDICAL SCHOOL courses are numbered in accordance with the uniform course-numbering system of the Oregon State System of Higher Education. This numbering system, as it applies to the Medical School courses, is as follows:

400-499. Upper-division courses primarily for first-year students in medicine, but to which graduate students may be admitted on approval of the graduate adviser and department head concerned.

500-599. Courses primarily for students in basic medical science, but to which graduate students may be admitted on approval of the graduate adviser and department head concerned.

600-699. Courses that are highly professional in nature may count toward a professional degree, but cannot apply toward an advanced academic degree (MA, MS, or Ph.D.).

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

501. Research 505. Reading and Conference
504. Thesis 507. Seminar

Basic Science Departments

Anatomy

ANTHONY A. PEARSON, Chairman of Department

Professors

ROBERT L. BACON

Associate Professors

DAVID L. GUENBERG

WILLIAM A. STEINBERG

Archie R. TUNTURI

ARTHUR W. FRISCH

Associate Professors

QUINN A. CHRISTIANSEN

Marilyn Lommicka

DEBRA M. WAGNER

DAVID L. HAUGEN

JILL McLEAN

DAVID B. WESCHLE

DAVID H. VESCHE

EDWARD M. SCHNEIDER

DELINES M. WAHL

Curtis L. Holzgang

Student Assistants

DAVID L. HANSEN

KIT E. JOHNSON

PETER H. ROBERTS

SANDY L. MEYER

REQUIRED COURSES

First Year

An 411, 412, 413. Gross Anatomy. 6 hours fall, 6 hours winter, 3 hours spring.

Regional dissection of the human body. Each two students dissect the lateral half of a body. The student is furnished with a loan collection of disarticulated bones for the study of osteology. Demonstrations include surface and radiological anatomy. Fall: lectures and quizzes, 2 hours a week; laboratory, 12 hours a week. Winter: lectures and quizzes, 2 hours a week; laboratory, 12 hours a week; Spring: lectures and quizzes, 2 hours a week; laboratory, 3 hours a week. 372 hours.

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.

Open to qualified students in any branch of anatomy upon approval of the instructors.

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 Professor

EVELYN L. OGDEN

Instructor

LYLE VEAZIE

Research Assistants

GORDON H. DAVIS

SANDY BARR

Student Assistants

FREDERICK C. HOBBS

CHARLES F. McMAHON

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.

Open to qualified students in any branch of anatomy upon approval of the instructors.

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 Professor

EVELYN L. OGDEN

Instructor

LYLE VEAZIE

Research Assistants

GORDON H. DAVIS

SANDY BARR

Student Assistants

FREDERICK C. HOBBS

CHARLES F. McMAHON

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.

Open to qualified students in any branch of anatomy upon approval of the instructors.

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.
DESCRIPTION OF COURSES

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 diseases 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 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.

Biochemistry

Edward S. West, Chairman of Department

Professors

Howard S. Mason

Associate Professors

John T. Van Bruggen

Assistant Professors

Clarissa H. Bratty

David S. Jackson

Eric Reiner

Clara H. Bratty

Anne M. Peasley

Ellen L. Talman

Instructor

Rose Mary Bocek

Research Associates

Gordon R. Johnston

Russell L. Jolly

Edward Peterson

Donald E. Pickering

Demetrios A. Rigas

Research Assistants

Marilouise Allen

David Gaudin

Kathleen Lambert

Roger Fubola

Jean Scott

Student Assistants

John Bellinger

John P. Bentley

Russell MacDonald

Alicia E. Maro

Paul T. Russell

Elaine Spencer

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; and 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.

CLINICAL PATHOLOGY

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. Grondaahl, Chairman of Department

Professor

Raymond D. Grondaahl

Associate Professor

Tyra T. Hutchens

Associate Clinical Professor

James H. Lium

Assistant Professor

Gerald J. Latting

Assistant Clinical Professors

Marlowe Ditterbrandt

Homer H. Harris

Eugene W. Landreth

Instructors

Mary E. Baptista

(Medical Technology)

Marlowe Ditterbrandt

Homer H. Harris

Eugene W. Landreth

Clinical Instructor

David S. Takalo

Residents

Margaret E. Berrendt

James E. Haines

Lawrence R. Heiselt

James L. Bramhall

Victor C. Marquardt, Jr.

Required Courses

Second Year

CP 511. Introduction to Clinical Pathology. 5 hours spring.
Lectures, demonstrations, and laboratory work dealing with the application of laboratory measurements to the practice of medicine. Lectures, 3 hours a week; laboratory, 6 hours a week. 108 hours.

Fourth Year

CP 650. Clinical Pathology. 1 hour spring.
Lectures and demonstrations, dealing with recent development in laboratory methods applicable to the practice of medicine. Special emphasis on serum diagnosis and the use of radioisotopes. 1 hour a week; 12 hours.

Elective Courses

CP 501. Research. Any term, hours to be arranged.
DESCRIPTION OF COURSES

CP 520, 521. Radioisotope Techniques. 1 hour each term, fall and winter.
Lectures and demonstrations concerning the theoretical and practical application of radioisotope techniques to medicine. 1 hour a week; 24 hours.

CP 522. Radioisotope Laboratory. Any term, hours to be arranged.
Laboratory experience with instruments used in radioisotope work.

Pathology

Jackson T. Crane, Chairman of Department

Professor

Jackson T. Crane
Clinical Professors

Warren C. Hunter
Vincent D. Shreeden

Associate Professors

Nelson R. Niles
Abe Oyanada

Associate Clinical Professors

Sheldon A. Jacobson
E. Colton Meek, Jr.

Assistant Professor

Otto R. Emig

Instructors

Toshiro Fujikura
John C. Smith, II

Instructor in Cytotechnology

James De Witt Rankin
Clinical Instructors

Ernest J. Loshi
Joseph E. Thorlken
Albert A. Oyama

Clinical Fellows

Norman H. Rickles

Residents

Molly Tan Lo
Laurence W. Price, Jr.

Graduate Assistants

James Little
Alvin Schiss

Student Assistants

E. Lawrence Clare
Richard T. Godfrey

Winston E. Maxwell
Ronald W. Vinyard

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 515. Laboratory Neuropathology. 1½ hours spring.
Laboratory work and demonstrations dealing with inflammatory reactions and degenerative conditions, with emphasis on general paresis, tuberous sclerosis, 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.

Third Year

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.

Pth 615, 616. Clinical-Pathological Conference. ½ hour each term.
Presentation of autopsy cases by departments concerned, together with clinical pathologic correlation and general discussion. 1 hour a week; 24 hours.

Fourth Year

Pth 650, 651, 652. Clinical-Pathological Conference. ½ hour each term.
Presentation of autopsy cases by departments concerned, together with clinical pathologic correlation and general discussion. 1 hour a week; 36 hours.

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.
Open to specially qualified students.

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 30 students.

Pharmacology

Norman A. David, Chairman of Department

Professors

Norman A. David
Elton L. McCawley
DESCRIPTION OF COURSES

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

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

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

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

Phe 514. History of Physiology. 1 hour winter. One hour a week; 12 hours.

Clinical Departments

Medicine

Howard P. Lewis, Chairman of Department

RESEARCH FELLOWS

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, 3 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 503. 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.
### DESCRIPTION OF COURSES

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</table>
DESCRIPTION OF COURSES

Endocrinology
Monte A. Greer, Head of Division
Professor
Daniel H. Labby
Associate Professor
Monte A. Greer
Assistant Clinical Professor
Huldick Kammer
Clinical Associate
Ernest T. Livingstone
Clinical Instructor
Kurt W. Aumann
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 Professor
George A. Boylston
John J. Keygier

Clinical Associates
Marvin C. Goldman
Thomas S. Healy
Lewis J. Krausser

Clinical Instructors
Charles E. Littlehales
Lemier Arthur Loomell
Robert E. Medved
Frederic W. Smith

Dermatology
Walter C. Loritz, Jr., Head of Division
Professor
Walter C. Loritz, Jr.
Clinical Professors
Lyke H. Kingery
Thomas S. Saunders

Associate Clinical Professors
Frank W. Crowe
Joyce Dahl
Sheldon A. Walker

Farrington Daniels, Jr.
Assistant Clinical Professors
Frederick A. J. Kingery
John Clifton Massar
Leon F. Ray

Bruce R. Chenoweth
David C. Frisch

Research Associate
Bernard Pirofsky

Research Instructor
Eduard A. Rigas

Research Assistant
Arthur J. Seaman

Clinical Instructor
Robert G. Pittenger

Research Associate
John H. Brooke

Research Assistant
Patricia Vanhellinghen

Resident
Lien-Fu Lo


Neurology
Roy L. Swank, Head of Division
Professor
Roy L. Swank
Clinical Professor
Merl L. Maragason
Associate Clinical Professor
Robert S. Dow

Assistant Professors
James H. Austin
Janice R. Stevens

Associate
Jack H. Fellman

Clinical Associate
C. Conrad Carter

Instructor
Louse Lino

Clinical Instructor
Ira A. Marville

Research Associates
Philip J. Reilly

Fellows
Victor Milstein

George P. Dauzier

Residents
Hideo Yamamoto

Dermatology
Walter C. Loritz, Jr., Head of Division
Professor
Walter C. Loritz, Jr.
Clinical Professors
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Robert G. Pittenger

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John H. Brooke

Research Assistant
Patricia Vanhellinghen

Resident
Lien-Fu Lo


Hematology
Edwin E. Osgood, Head of Division
Professor
Edwin E. Osgood

Associate Professors
*Robert D. Koller

Demetrios A. Rigas
(Dental Medicine)

Assistant Professor
Bernard Pirofsky

Assistant Clinical Professor
Robert E. Mass

Instructor
Robert H. Bigley

Clinical Instructor
Robert G. Pittenger

Research Associate
John H. Brooke

Research Assistant
Patricia Vanhellingchen

Resident
Lien-Fu Lo


Dental Medicine
Harold J. Noyes, Head of Division
Clinical Professor
Harold J. Noyes
Internal Medicine

**Clinical Associates**

| Medical School and Veterans hospitals for one term in rotation, for the presentation of cases and signs. Lectures, patient demonstrations, technique practice sessions, and ward rounds. Lectures, 2 hours a week; demonstrations, 2 hours a week. 144 hours. |

| 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, 2 hours a week; demonstrations, 2 hours a week. 144 hours. |

| Med 615, 616, 617. Lectures on Internal Medicine. 3 hours fall; 2 hours each term, winter and spring. Discussions of the broad principles and concepts concerned with the recognition and treatment of medical disorders. 84 hours. |

| Med 630. Clinical Clerkship. 12 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). 276 hours. |

| Med 650, 651, 652. General Clinical Conference. 1 hour each term. Presentation and discussion of basic problems in clinical medicine by all departments of the Medical School. 2 hours a week; 72 hours. |

| Med 653, 654, 655. Conference on Medical Therapy. ½ 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. |

| Med 679. Research in Hematology. Any term, hours to be arranged. Med 680. 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 681. 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 682. 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 683. Reading and Conference: Cardiology. Any term, hours to be arranged. Med 684. Seminar in Medicine. Any term, hours to be arranged. Med 685. Medical Outpatient Clinic. Any term, hours to be arranged in accordance with the requirements of the regular Outpatient Clinic course. Elective credit for completion of clinical work in the department in addition to that required in the regular Outpatient Clinic course. Med 686. Tuberculosis Control Outpatient Clinic for Children. ½ hour, one section each term. Demonstrations and conferences; primary tuberculosis in children. (Fourth year.) 2 hours a week for 6 weeks; 12 hours. Med 687. 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 688. Rheumatology Outpatient Clinic. 1 hour each term. Outpatient Clinic, Clinical conferences and demonstrations. Limited to 10 students a term. 2 hours a week; 24 hours. |
**Psychiatry**

**Dental Medicine**

**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.

**Geography:**
George Saslow, Chairman of Department

**Professor**
George Saslow

**Clinical Professor**
Henry H. Dixon

**Associate Clinical Professor**
Herman A. Dickel

**Assistant Professors**
John L. Butler

**Instructors**
Ivan F. Small

**Fourth Year**

**Neurology**

**REQUIRED COURSE**

Neu 670. **Neurology Outpatient Clinic.** ½ hour, one section each term.

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

**Elective Courses**

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

(Fourth year.) Combined conference including neurology, neurosurgery, neuro-ophtalmology 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.

**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.
DESCRIPTION OF COURSES

Clinical Instructors
Allen H. Parker
Sue A. Warren
Arthur N. Wiens
Research Assistants
Albert J. Hall, Jr.
Arnold M. Lacey
Burt E. Lavacek
Fellows
Herbert L. Collier
Marilyn McRae

Psychiatry

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

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.

RADIOLOGY

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 of student's reports and final dictations by member of staff. Limited to 6 students.

* On leave for military service.
DESCRIPTION OF COURSES

Public Health and Preventive Medicine

Adolph Weinzierl, Chairman of Department

Professor
Adolph Weinzierl

Associate Professor
Carl E. Hopkins

Clinical Professor
Richard H. Wilcox

Clinical Instructors
F. Sydney Hansen
Thomas L. Meador
Samuel B. Osgood

REQUITE 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.

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.

Second 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

Clinical Professors
Arthur C. Jones
William K. Livingston
Eugene W. Rockey

Associate Professor
William W. Krippahne

Associate Clinical Professors
Charles E. Gunney
Clifford E. Hardwick
Matthew McK. Reid

Assistant Professors
Stanley W. Jacobs

Clinical Associates
Clarence W. Brunckow
Ralph M. Dodson
Martin A. Howard

Arch Diack

Instructor
William S. Fletcher

Research Fellow
Ulrich Freihoffer

Teaching Fellow
Malcolm Robinson

Residents
John C. Bigelow
David Blumen
Charles B. Bobe
Donald L. Cleland
Daniel L. Dennis
Guy W. Gorrell, Jr.

David F. Hickox
R. C. Johnson
Gary H. Leavent
Donald F. Manns

U. Scott Page
Richard G. Sanderson
Lester J. Schwaegerl, Jr.
Robert L. Webb
Paul M. Walsead
David R. Winternitz

Orthopedic Surgery

William E. Shew, Head of Division

Clinical Professors
Harry C. Blair

Associate Professor
William E. Shew

* On leave of absence. Visiting Professor of Surgery, University of Shiraz Medical School, Chief, Surgical Service, Nemazee Hospital, Shiraz, Iran.
## Description of Courses

### Surgery

#### Neurosurgery

**Head of Division**
- George M. Austin

**Professor**
- George M. Austin

**Clinical Professor**
- John Raff

**Clinical Associates**
- Edward W. Davis
- Kenneth E. Livingston

### 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 615, 616. Minor Surgery.** 1 hour each term, fall and winter. A systematic presentation by lectures and demonstrations of the surgical conditions which occur in ambulatory patients. 1 hour a week; 24 hours.

- **Sur 617, 618, 619. Lectures on Surgery.** 1 hour each term. 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; 36 hours.

- **Sur 630. Clinical Clerkship.** 9½ 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. 228 hours.

- **Sur 631. Surgery Clerkship-Clinic.** 1½ 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. 3 hours a week; 36 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 treat-
DESCRIPTION OF COURSES

SURGERY

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. Urology Outpatient Clinic. Any term, hours to be arranged in accordance with the requirements in the regular Urology 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-Clinic. ½ hour, 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; 12 hours.

Ur 631. Urology Clerkship. 1 hour, one section each term.
A ward walk and clerkship. Supervised workup of urology inpatients. 2 hours a week; 24 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.

Orth Sur 650. Orthopedics. 2 hours fall.
Lectures and patient demonstrations of orthopedic conditions of adults and children. 2 hours a week; 24 hours.

Orth Sur 616, 617. Surgery of the Extremities. 1 hour each term, winter and spring.
Lectures and patient demonstrations concerned chiefly with the regional diagnosis and treatment of orthopedic conditions. 1 hour a week; 24 hours.

Orth Sur 630. Orthopedic Clerkship-Clinic. ½ hour, one section each term.
Clinics and demonstrations to familiarize the student with the techniques of examination and diagnostic procedures used in orthopedics. A correlative clinic given in connection with inpatient clerkship work. 1 hour a week; 12 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. Orthopedic Outpatient Clinic. Any term, hours to be arranged.
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.
DESCRIPTION OF COURSES

Anesthesiology

**REQUIRED COURSES**

**Third Year**

Anes 615, 616. *Lectures on Anesthesia*. 1 hour each term, winter and spring.
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; 24 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 1/2 hours a week; 18 hours.

Anes 670. *Anesthesia Clerkship*. 1/2 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*. 1/2 hour, winter or spring.
Discussions and demonstrations of the altered neurophysiologic background and anatomy encountered in patients with neurological 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

**Chairman of Department**
Kenneth C. Swan

**Professor**
Kenneth C. Swan

**Clinical Professors**
Augustus B. Dykman
E. Meek Taylor

**Associate Professor**
Leonard Christensen

**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.

Eye 630. *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

**Chairman of Department**
David D. DeWeese

**Clinical Professors**

Paul Bailey
George E. Chamberlain
William M. Bolton
Lewis W. Jordan
H. Victor Adix
Paul B. Myers
Donald H. Holden
Patrick J. Doyle
Byron L. Fortsch

**Assistant Clinical Professors**

David D. DeWeese
Clifford Kuhn
Jack E. Miller
Richard A. Lalli

**Clinical Associates**

Robert E. Fischer
Edward N. McLean
Robert C. Cowger
Robert F. Haas
Richard F. Markley

**Clinical Instructors**

Roy J. Ellsworth
John P. Keizer
W. Leigh Campell

**Residents**

Robert P. Burns
John T. Krieger
Robert W. Zeller
Joseph I. Morland
Richard E. Markley

**Clinical Associates**

E. Merle T. Talbot
Paul Robinson

**Clinical Instructors**

Roy J. Ellsworth
W. Leigh Campell

**Residents**

Lester T. Jones
Peter F. Rowell

**Clinical Associates**

Donal L. Mettler

**Residents**

Richard L. Swanson

**Clinical Instructors**

Kenneth D. Smyth

**Residents**

Roy J. Ellsworth

**Clinical Instructors**

Ralph N. Westfall

**Residents**

Kenneth D. Smyth

**Clinical Instructors**

Ralph N. Westfall

**Residents**

Lynn B. Robinson

**Clinical Instructors**

Richard L. Swanson

**Residents**

Kenneth D. Smyth

**Clinical Instructors**

Ralph N. Westfall

**Residents**

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Ralph N. Westfall

**Residents**

Lynn B. Robinson

**Clinical Instructors**

Richard L. Swanson

**Residents**

Kenneth D. Smyth

**Clinical Instructors**

Ralph N. Westfall

**Residents**

Lynn B. Robinson
### Description of 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.

**ENT 616. Ear, Nose, and Throat. 1 hour spring.**

Continuation of ENT 615 on principles of medical and surgical treatment of ear, nose, and throat diseases, with emphasis on the more common situations encountered in practice. Advanced treatment which falls into specialty use also covered and discussed. 1 hour a week; 12 hours.

**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.

### Obstetrics and Gynecology

**Ralph C. Benson, Chairman of Department**

<table>
<thead>
<tr>
<th>Professors</th>
<th>Howard J. Tatum</th>
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<tr>
<td>Ralph C. Benson</td>
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<td>William M. Wilson</td>
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*Ottor R. Emig

**Roderick C. Blatchford**

**Instructor**

**Toshiro Fujikura**

**Clinical Instructors**

**Theodore M. Bischoff**
**Melvin W. Breesse**
**Charles E. Chavigny**
**C. Louise Clancy**
**Richard W. Franklin**
**W. Ronald Frazer**
**Malcolm E. Fuller**
**Remy S. Folks**
**Robert R. Greene**
**George S. Harris**
**William L. Hartmann**

**Assistant Clinical Professors**

**Duncan R. Neilson**

**Ronald F. Neilson**

**Clinical Instructors**

**Phillip H. Henderson, Jr.**
**William W. Hicks, Jr.**
**Robert C. Jackson**
**David W. James**
**Benjamin J. Jones**
**Gerald E. Kuepel**
**George H. Lade**
**F. Keith Mackee**
**Alfred N. Marshall**
**J. Oppie McCall, Jr.**

**Assistant Clinical Professors**

**Joseph C. Mitchell**
**David W. Moore**
**Max H. Packer**
**Jesse L. Ray**
**Merrill W. Russer**
**Quinten Schreiber**
**Gordon N. Smith**
**Paul R. Sprinkler**
**William O. Thomas**
**Thomas A. Treasure**
**James M. Whiteley**

* On leave of absence for Public Health Service Fellowship at University of Washington.
DESCRIPTION OF COURSES

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. 2½ hours, one section each term.
Patient study, ward rounds and conferences in gynecology. Multnomah and Medical School Hospitals. 10 hours a week for 6 weeks; 60 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

Allan J. Hill, Jr., Chairman of Department

Professors

Allan J. Hill, Jr., Donald E. Pickering

Clinical Professor

Joseph B. Bilderback

Associate Professors

William M. Clark, Jr., George W. Dana

Associate Clinical Professors

Rudolf C. H. Engel, James E. Odell

Alvin D. Wert

S. Gorman Barson

Associate Clinical Professors

Morris L. Bridgeman, Scott Goodnight

Assistant Professor

Herold S. Lillywhite

(Anthropology)

Assistant Clinical Professors

Carl G. Ashley

Walter A. Goss, John A. Larrabee, John Arthur May

Instructors

Quinten W. Cochran, Paul E. Shick, Jr.

(Anthropology)

Instructors

Kathrine S. French, William J. McGuffin

Robert J. McManus

(Anthropology)

Voluntary Research.

Fourth 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. 7½ hours, one section each term.
Review of pediatric problems in an inpatient setting by patient responsibility, individual and group discussions. 29 hours a week for 6 weeks; 174 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.
- Psychology: general psychology, admission to Medical School.

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. 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 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 of Philosophy 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 term hours must be credit in the major department; the student must also complete work in a minor field or fields: a minimum of 20 term hours in a single minor or a minimum total of 30 term 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 is 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 100 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 teaching 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, with a major in general nursing, is planned for graduates of diploma-school programs. The courses in the general nursing major contribute to the broadening and strengthening of the student’s previous preparation and assist in the further development of professional competence. The curriculum also provides the opportunity for a broadened foundation in general education, liberal arts, and the 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 her 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 head 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 Professor
JAMES H. LUM
Assistant Professor
GERALD J. LATTIG
Assistant Clinical Professors
MARLOWE DITTEBRANDT
HOMER H. HARRIS
EUGENE W. LANDRETH
Instructors
MARY ELIZABETH BAPTIST
MARTHA L. HAMILTON
Clinical Instructor
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 student by the University of Oregon Medical School. The student is then eligible to take the National Registry Examination, which is given twice a year. Upon passing the examination, the student is qualified as a registered medical technologist with the American Society of Clinical Pathologists.

* Students entering the medical technology program prior to October 1, 1961 may be admitted with two years of college preparation.
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:

<table>
<thead>
<tr>
<th></th>
<th>Per term</th>
<th>Per year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuition</td>
<td>$20.00</td>
<td>$60.00</td>
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<tr>
<td>Laboratory and course fee</td>
<td>36.00</td>
<td>108.00</td>
</tr>
<tr>
<td>Building fee</td>
<td>8.00</td>
<td>24.00</td>
</tr>
<tr>
<td>Incidental fee (student health service)</td>
<td>21.00</td>
<td>63.00</td>
</tr>
<tr>
<td>Total for Oregon residents</td>
<td>$85.00</td>
<td>$255.00</td>
</tr>
<tr>
<td>Total for nonresidents who pay an additional $55.00 per term</td>
<td>$140.00</td>
<td>$420.00</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Course</th>
<th>Term hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MT 410. Clinical Bacteriology</td>
<td>4</td>
</tr>
<tr>
<td>MT 411. Laboratory Orientation</td>
<td>2</td>
</tr>
<tr>
<td>MT 424. Clinical Biochemistry</td>
<td>5</td>
</tr>
<tr>
<td>MT 430. Principles of Hematology</td>
<td>5</td>
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</tbody>
</table>

### Winter Term

<table>
<thead>
<tr>
<th>Course</th>
<th>Term hours</th>
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</thead>
<tbody>
<tr>
<td>MT 411. Clinical Bacteriology</td>
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</tr>
<tr>
<td>MT 425. Clinical Biochemistry</td>
<td>6</td>
</tr>
<tr>
<td>MT 431. Special Hematology</td>
<td>3</td>
</tr>
</tbody>
</table>

### Spring Term

<table>
<thead>
<tr>
<th>Course</th>
<th>Term hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MT 414. Urinalysis</td>
<td>4</td>
</tr>
<tr>
<td>MT 420. Histological Technique</td>
<td>4</td>
</tr>
<tr>
<td>MT 436. Applied Serology</td>
<td>5</td>
</tr>
<tr>
<td>MT 437. Clinical Parasitology</td>
<td>3</td>
</tr>
</tbody>
</table>

### 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.

**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 terms, hours to be arranged.
Enrollment and Degrees

Degrees Conferred June 10, 1960

Doctor of Medicine

<table>
<thead>
<tr>
<th>GRADUATE</th>
<th>INTERNSHIP</th>
</tr>
</thead>
<tbody>
<tr>
<td>John Theodore Abraham, Jr.</td>
<td>Good Samaritan Hospital, Phoenix, Ariz.</td>
</tr>
<tr>
<td>Royal Grover Aubrey</td>
<td>U.S. Naval Hospital, Bremerton, Wash.</td>
</tr>
<tr>
<td>Regis Alan Burnhart</td>
<td>Madigan General Hospital, Tacoma, Wash.</td>
</tr>
<tr>
<td>John Alan Beare</td>
<td>Doctors Hospital, Seattle, Wash.</td>
</tr>
<tr>
<td>Russell Lee Belknap</td>
<td>University of Oregon Medical School Hospitals</td>
</tr>
<tr>
<td>Ernest Jack Benner</td>
<td>and Clinics, Portland, Ore.</td>
</tr>
<tr>
<td>Lester Leo Bergeron</td>
<td>University of Oregon Medical School Hospitals</td>
</tr>
<tr>
<td>Walter C. Bernards</td>
<td>Walter Reed General Hospital, Washington, D.C.</td>
</tr>
<tr>
<td>David Elmer Billings</td>
<td>U.S. Naval Hospital, Great Lakes, Ill.</td>
</tr>
<tr>
<td>Richard Maurice Burns</td>
<td>General Hospital of Riverside County, Arlington, Calif.</td>
</tr>
<tr>
<td>Robert Bruce Campbell</td>
<td>Emanuel Hospital, Portland, Ore.</td>
</tr>
<tr>
<td>Charles Beebe Carter</td>
<td>Mary Hitchcock Memorial Hospital, Harrow, N.H.</td>
</tr>
<tr>
<td>Juris U. Cilins</td>
<td>Receiving Hospital, Detroit, Mich.</td>
</tr>
<tr>
<td>William Vance Cooner</td>
<td>University of Oregon Medical School Hospitals</td>
</tr>
<tr>
<td>Richard Vincent Cisnera</td>
<td>St. Vincent's Hospital, Portland, Ore.</td>
</tr>
<tr>
<td>Dennis Gary Crockett</td>
<td>Los Angeles County Hospital, Los Angeles, Calif.</td>
</tr>
<tr>
<td>Clayton H. Davis</td>
<td>Good Samaritan Hospital, Portland, Ore.</td>
</tr>
<tr>
<td>John Michael Deeney</td>
<td>University of Virginia Hospital, Charlottesville, Va.</td>
</tr>
<tr>
<td>Eldon Lee Erickson</td>
<td>University of Oregon Medical School Hospitals</td>
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<tr>
<td>William Robert Fark</td>
<td>U.S. Naval Hospital, Oakland, Calif.</td>
</tr>
<tr>
<td>James Archibald Frater</td>
<td>University of Chicago Clinics, Chicago, Ill.</td>
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<tr>
<td>Fredrick T. Frauentofer</td>
<td>University of Oregon Medical School Hospitals</td>
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<tr>
<td>Robert Harry Gustafson</td>
<td>Good Samaritan Hospital, Portland, Ore.</td>
</tr>
<tr>
<td>Archie Y. Hamilton</td>
<td>San Joaquin General Hospital, Stockton, Calif.</td>
</tr>
<tr>
<td>Chen H. Hsu</td>
<td>San Joaquin General Hospital, Sacramento, Calif.</td>
</tr>
<tr>
<td>Joseph Ivan Hewitt</td>
<td>Orange County General Hospital, Orange, Calif.</td>
</tr>
<tr>
<td>Keith Davis Holmes</td>
<td>Walter Reed General Hospital, Washington, D.C.</td>
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<tr>
<td>Lynn Sherman Husband</td>
<td>Good Samaritan Hospital, Portland, Ore.</td>
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<tr>
<td>Wesley Ray Jacobs</td>
<td>University of Oregon Medical School Hospitals</td>
</tr>
<tr>
<td>Joanna Lee Jensen</td>
<td>Philadelphia General Hospital, Philadelphia, Penn.</td>
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<tr>
<td>Robert Harding Jensen</td>
<td>Good Samaritan Hospital, Portland, Ore.</td>
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<tr>
<td>David William Johnson</td>
<td>U.S. Naval Hospital, Bremerton, Wash.</td>
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<tr>
<td>Albert R. Lewis</td>
<td>Los Angeles County Hospital, Los Angeles, Calif.</td>
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<tr>
<td>Darwin Carl Lefeldt</td>
<td>U.S. Naval Hospital, Camp Pendleton, Calif.</td>
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<tr>
<td>John Lewis Linn</td>
<td>Emmanuel Hospital, Washington, D.C.</td>
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<tr>
<td>Robert Charles Loomis</td>
<td>University of Oregon Medical School Hospitals</td>
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<tr>
<td>Robert Alan Lundberg</td>
<td>District of Columbia General Hospital, Washington, D.C.</td>
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<tr>
<td>Richard Bernard Lyons</td>
<td>University of Oregon Medical School Hospitals</td>
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<td>Michael Joseph Miller</td>
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<tr>
<td>Lew Barclay Myers</td>
<td>and Clinics, Portland, Ore.</td>
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<tr>
<td>Rodger Michael O'Hara</td>
<td>Good Samaritan Hospital, Phoenix, Ariz.</td>
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<tr>
<td>Richard Paul Panian</td>
<td>University of Oregon Medical School Hospitals</td>
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<td>and Clinics, Portland, Ore.</td>
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Doctor of Philosophy

<table>
<thead>
<tr>
<th>GRADUATE</th>
<th>INSTITUTION</th>
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<tbody>
<tr>
<td>John Clinton Elwood</td>
<td>Nicholas E. Kontaxis</td>
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<td></td>
<td>Madhukar A. Pathak</td>
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Master of Science

<table>
<thead>
<tr>
<th>GRADUATE</th>
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<tr>
<td>Walter C. Bernards</td>
<td>Joan Friscilla Payne</td>
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<tr>
<td>Charles BoDine Carter</td>
<td>T. James Robnett</td>
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<tr>
<td>Keith Davis Holmes</td>
<td>Richard Bradley Sack</td>
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<tr>
<td>Lynn Sherman Husband</td>
<td>William H. Sack</td>
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<tr>
<td>Robert Bernard Lyons</td>
<td>John David Sigurdson</td>
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<tr>
<td>Lew Barclay Myers</td>
<td>Howard H. Sussman</td>
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<td>Andrew Neal Urbanc</td>
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Enrollment 1959-60

Medical Students

First-Year Class

<table>
<thead>
<tr>
<th>Name</th>
<th>Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Joseph G. Antony</td>
<td>Good Samaritan Hospital, Phoenix, Ariz.</td>
</tr>
<tr>
<td>Hollis L. Augee</td>
<td>Good Samaritan Hospital, Phoenix, Ariz.</td>
</tr>
<tr>
<td>Jerry J. Bass</td>
<td>Good Samaritan Hospital, Phoenix, Ariz.</td>
</tr>
<tr>
<td>Diane G. Beard</td>
<td>Good Samaritan Hospital, Phoenix, Ariz.</td>
</tr>
<tr>
<td>William S. Bechen</td>
<td>Good Samaritan Hospital, Phoenix, Ariz.</td>
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<tr>
<td>Robert M. Belanger</td>
<td>Good Samaritan Hospital, Phoenix, Ariz.</td>
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<tr>
<td>James B. Borden</td>
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<tr>
<td>Eloy D. Brandt</td>
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<tr>
<td>Larry T. Brice</td>
<td>Good Samaritan Hospital, Phoenix, Ariz.</td>
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<tr>
<td>James A. Brooks</td>
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<tr>
<td>Douglas Chalmers</td>
<td>Good Samaritan Hospital, Phoenix, Ariz.</td>
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<tr>
<td>Robert W. Clark</td>
<td>Good Samaritan Hospital, Phoenix, Ariz.</td>
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<tr>
<td>Thomas R. Cooklin</td>
<td>Good Samaritan Hospital, Phoenix, Ariz.</td>
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<tr>
<td>Miss S. Hope Davidson</td>
<td>Good Samaritan Hospital, Phoenix, Ariz.</td>
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<tr>
<td>Michael J. DeBenedetti</td>
<td>Good Samaritan Hospital, Phoenix, Ariz.</td>
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<tr>
<td>Carl M. Deming</td>
<td>Good Samaritan Hospital, Phoenix, Ariz.</td>
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<tr>
<td>William R. Fore</td>
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<tr>
<td>Richard C. Gilglock</td>
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<td>George A. Goodman</td>
<td>Good Samaritan Hospital, Phoenix, Ariz.</td>
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<tr>
<td>J. Catlin Goss, Jr.</td>
<td>Good Samaritan Hospital, Phoenix, Ariz.</td>
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<tr>
<td>Larry J. Hall</td>
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<tr>
<td>Samuel J. Hammond</td>
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<tr>
<td>Edward L. Hargis</td>
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<tr>
<td>Stanley G. Harris</td>
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<tr>
<td>Miss Artyce Lee Hawman</td>
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</tr>
<tr>
<td>James D. Hearn</td>
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</tr>
<tr>
<td>George E. Hergerson, Jr.</td>
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<tr>
<td>Gene W. Heinrich</td>
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<td>Hilbert J. Hendrick</td>
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<tr>
<td>Gerald R. Herrin</td>
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<tr>
<td>Walter W. Hultsman</td>
<td>Good Samaritan Hospital, Phoenix, Ariz.</td>
</tr>
<tr>
<td>Jay T. Johnson</td>
<td>Good Samaritan Hospital, Phoenix, Ariz.</td>
</tr>
</tbody>
</table>
John T. Abraham, Jr.
Royal G. Aubrey
Ralph A. Bartinhart
John A. Beare
R. Lee Belknap
Ernest Jack Benner
Lester L. Bergeron
Walter C. Bernards
David E. Billings
Richard M. Burns
Robert B. Campbell
Charles B. Carter
Juris Cinlis
William V. Couyer
Richard A. Crisera
Dennis G. Crockett
Clayton H. deBruijn
John Michael Deeney
Rolf R. Engel
Elton L. Erickson
William F. Farr
James A. Fraser
Frederick T. Fraunfelder
Miss P. Rocca Garofalo
Robert H. Gustafson

Second-Year Class
Arthur L. Hauge
Leonard L. Hays
H. Douglas Hering
Curtis R. Holzgang
Levi W. Inman
John G. Ivakiri
Edwin C. James
Robert R. McIlwraith
Gale 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
Charles F. McMahon
Lao. J. McMahon
James McNeese
Donald L. McNell
Russell W. Newcomb
Richard P. O'Farrell

Third-Year Class
James T. Hartford
Donald L. Haugen
David H. Heischberger
Leonard S. Heston
Frederick C. Hoekly
Howard E. Johnson
Kit G. Johnson
Richard H. Johnson
Bruce B. Johnstone
Irwin E. Jolyne
Visul R. Kanchanapoomi
John C. Kelly
Harry Kraudson
Dellert M. Kole
James C. Kraus
Richard P. Lewis
Merritt L. Linn
Dale L. Lwotzer
Joseph C. Macdonald
Malcolm M. Marquis
Winston E. Maxwell
Hidey Minagi
Peter M. Nakamura
James S. Noble
Herold S. Nokes
Bruce A. Peters
Donald W. Pittman
James C. Puccas
Richard L. Reddick
Peter F. Roberts
Thomas L. W. Roe
Edward M. Sehneider
Alan F. Scott
James M. Scott
Norman F. Seidenberg
Michael J. Skala
Merrill M. Slavik
John W. Tarnasky
Louis A. Tauscher
Diane F. Tavner
Thomas L. Thornton
William M. Veatch
Vernon W. Veitch
Ronald W. Vignard
Graham M. Watkins
Danny L. Watson
David L. Wishart
Mrs. Rose K. L. Wong

Fourth-Year Class
Archie V. Hamilton
Chris L. Harrisfeld
J. Ivan Hewitt
Keith D. Holmes
Lynn S. Husband
Wesley R. Jacobs
Miss Janne Jane
Robert H. Jensen
David E. Billings
Albert R. Kearns
Darwin C. LeFeldt
John L. Linn
Robert C. Logme
Laurie L. Lundberg
Richard M. Burns
Robert A. McFarlane
Sum L. Meyer
Michael J. Miller
Lew B. Myers
R. Michael O’Harra
Richard P. Parian
Clarence D. Peters
Richard H. Phillips
William R. Pollard
Donald D. Ramsthal

Graduate Students
Nicholas E. Kontaxis
Alcino E. Marco
Russell W. MacDonald
David A. McClure
Madhurak Pathak

Special Students and Auditors
Joan C. Hopper
George R. Kerr

Medical Technology Students
Anita E. Biarg
Dave Descarabas
Orron Blaick
Karen D. Bolton
Nancy K. Bred
Sonya B. Clark
Margot J. Johnson
Gladys K. Jongeling
Opal C. Jordan
Priscilla G. Kempston
Alice J. Lapier
Nancy G. McKeown
Herman E. Melleis
Nanthi Miura
Karen J. Munson

Summary of Enrollment, 1959-60

<table>
<thead>
<tr>
<th>Year</th>
<th>Total Regular Students</th>
<th>Total Special Students and Auditors</th>
<th>Total</th>
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<tr>
<td>First Year</td>
<td>77</td>
<td>125</td>
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<tr>
<td>Second Year</td>
<td>74</td>
<td>39</td>
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<td>Third Year</td>
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<td>27</td>
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<tr>
<td>Fourth Year</td>
<td>72</td>
<td>30</td>
<td>102</td>
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Total regular students: 289
Graduate students: 11
Special students and auditors: 30
Medical technology students: 7

Total: 310

Women: 45
Men: 255