CATALOG
ISSUE
1959-60

University
of Oregon

MEDICAL SCHOOL
PORTLAND, OREGON
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Oregon State System of Higher Education

The Oregon State System of Higher Education, as organized in
1932 by the 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 Cor-
vallis, Portland State College at Portland, Oregon College of Education
at Monmouth, Southern Oregon College at Ashland, and Eastern Ore-
gon 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
genral 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 dis-
tinctive 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 con-
cerning 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

HENRY F. CABELL, Portland..................................... 1960
CHARLES HOLLOWAY, Jr., Portland..................................... 1961
A. S. GRANT, Baker................................................ 1962
CHERYL S. MACNAUGHTON, Portland............................... 1963
J. W. FORRESTEE, Jr., Pendleton.................................... 1963
ALLAN HART, Portland............................................... 1964
DOUGLAS McKEAN, Beaverton..................................... 1964
RALPH E. PURVINE, Salem......................................... 1965
WILLIAM E. WALSH, Coos Bay.................................... 1965

Officers

HENRY F. CABELL........................................ President
WILLIAM E. WALSH........................................ Vice-President
J. W. FORRESTEE, Jr................................. Member, Executive Committee

JOHN R. RICHARDS, Ph.D., Chancellor
EARL M. PALLETT, Ph.D., Secretary of Board

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

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

Oregon State System of Higher Education Officers

JOHN R. RICHARDS, Ph.D., Chancellor

O. MEREDITH WILSON, Ph.D. .............................................. AUGUST L. STRAND, Ph.D. ..............................................
President, University of Oregon ........................................ President, Oregon State College

DAVID W. E. BAIRO, M.D., LL.D. ............................................
Dean, Medical School

ELMO N. STEVENSON, Ed.D. ..............................................
President, Southern Oregon College

HAROLD J. NOYES, D.S.S., M.D. ..............................................
Dean, Dental School

FRANK B. BENNETT, Ed.D. ..............................................
President, Eastern Oregon College

BRANFORD P. MILLAR, Ph.D. ..............................................
President, Portland State College

ROY E. LEDAULEN, Ed.D. ..............................................
President, Oregon College of Education

JAMES W. SHERBURN, Ph.D. ..............................................
Dean, General Extension Division

HERBERT A. BORK, M.S., C.P.A............................................
Comptroller and Bursar

RICHARD L. COLLINS, M.A., C.P.A............................................
Budget Director

EARL M. PALLETT, Ph.D............................................ Secretary, Board of Higher Education

WILLIAM M. CARLSON, M.A............................................ Director of Libraries

FRANCIS H. NICKERSON, M.S............................................
Executive Secretary, High School-College Relations Committee

WOLF D. VON OTTERSTEDT, LL.B............................................
Assistant Attorney General, assigned to Board Office

Former Chancellors

Oregon State System of Higher Education

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, 1959-60

Medical and Graduate Students

Fall Term, 1959-60
September 14, Monday..............................................Registration
September 15, Tuesday..............................................Instruction begins
September 28, Monday..............................................Last day to register for full credit or to change courses
November 26, Thursday...........................................Thanksgiving Day, holiday
December 5, Saturday..............................................Fall term ends

Winter Term, 1959-60
December 7, Monday..............................................Instruction begins
December 19, Saturday..............................................Last day to register for full credit or to change courses
December 21, 1959 to January 2, 1960.............................Christmas vacation
March 12, Saturday..............................................Winter term ends

Spring Term, 1959-60
March 21, Monday..............................................Instruction begins
April 11, Monday..............................................Last day to register for full credit or to change courses
May 30, Monday..............................................Memorial Day, holiday
June 10, Friday....................................................Commencement
June 11, Saturday..............................................Spring term ends

Summer Term, 1960
June 13, Monday..............................................Registration
June 13, Monday..............................................Instruction begins
June 27, Monday..............................................Last day to register for full credit or to change courses
July 4, Monday..............................................Independence Day, holiday
September 3, Saturday..............................................Summer 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.
O. MEREDITH WILSON, Ph.D., President, University of Oregon; Professor.
DAVID W. E. BAIRD, M.D., LL.D., Dean of the Medical School; Professor of Medicine.
CHARLES N. HOLMAN, M.D., Associate Dean of the Medical School; Professor of Medicine.
WILLIAM A. ZIMMERMAN, B.S., Assistant to the Dean; Professor.
JOSEPH J. ADAMS, B.B.A., 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.

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

Buildings and Grounds
A. J. CLEMONS, Superintendent of Physical Plant; Assistant Professor.
CHARLES H. ANDERSON, Assistant Superintendent of Physical Plant.

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

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

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

Research Instrument Service
GEORGE J. JOHNSTON, B.S., Research Associate.

Medical Illustration
CLARICE ASHWORTH FRANCONE, Medical Illustrator.

Photography
CAROL E. KEAR, Photographer.
JAMES T. PHILLIPS, Photographer.
CHARLES U. VON WALD, Photographer.

Printing and Office Supplies
ALBERT L. BUXEJ, Printer.

Executive Faculty

Standing Committees
Graduate Council—JOHN M. BROOKHART (chairman), ROBERT L. BACON, EVELYN L. OGINSKY, ELTON L. MCCAWLEY, JOHN T. VAN BRUGGEN, ADOLPH WEINZIRL.
Henry Waldo Coe Prize—HANCE F. HANEY (chairman).
Jones Lectureship—HOWARD P. LEWIS (chairman), HANCE F. HANEY.
Library—NORMAN A. DAVID (chairman), MORTON GOODMAN, NOBLE WILEY JONES, NIELSON R. NILES, GOODRICH C. SCHAFTELLER, ARCHIE R. TUNTURI, WILBERT R. TODD, BERTHA B. HALLAM (ex officio).
Radioisotope Committee—RAYMOND D. GRONDAHL (chairman), WARREN C. HUNTER, TYRA T. HUTCHENS, EDWIN E. OSGOOD, JOHN T. VAN BRUGGEN.
Scholarships—EDWARD S. WEST (chairman), RAYMOND D. GRONDAHL, ALLAN J. HILL, WILLIAM A. ZIMMERMAN.
Ermeritus Faculty

Noble Wiley Jones, M.D., Professor Emeritus of Medicine.
Frank R. Menne, M.D., Professor Emeritus of Pathology.
James W. Rosenfield, 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. Aalto, M.D., Clinical Instructor in Surgery (1958).
B.S. (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., Director of Public Affairs; Alumni Executive Secretary (Assistant Professor) (1951).
B.B.A. (1949), Gonzaga.
H. Victor Adix, M.D., Clinical Instructor in Otolaryngology (1934).
Clifford V. Allen, M.D., Clinical Associate in Radiology (1955).
M.D. (1933), 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).
M.D. (1948), Harvard.
S. Gorham Barson, M.D., Associate Clinical Professor of Pedriatrics (1941).
B.S. (1933), M.D. (1936), Oregon.
Daniel M. Bachman, M.D., Instructor in Medicine (1956).
B.A. (1949), Reed; M.S. (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.
MEDICAL SCHOOL

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

Siegfried R. Bertheilsdorf, 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).
   M.D. (1907), Oregon.

STANLEY F. BERGQUIST, M.D., Clinical Instructor in Surgery (1956).
   B.S. (1943), M.D. (1946), Chicago.

THEOUREG M. Bischoff, M.D., Clinical Instructor of Obstetrics and Gynecology (1948).
   B.A. (1937), Reed; M.D. (1939), Oregon.

ROBERT A. BISSETT, D.M.D., Clinical Instructor in Dental Medicine (1950).

HARRY C. BLAIR, M.D., Clinical Professor of Orthopedic Surgery (1926).
   M.D. (1915), Oregon.

WILLIAM D. BLAKE, M.D., Associate Professor of Physiology (1952).
   B.A. (1940), Dartmouth; M.D. (1943), Harvard.

JOHN A. BLANCHARD, M.D., Clinical Instructor in Medicine (1954).
   B.S. (1941), Montana State College; M.D. (1950), Oregon.

RODERICK C. BLATCHFORD, M.D., Assistant Clinical Professor of Obstetrics and Gynecology (1938).
   A.B. (1929), Willamette; M.D. (1931), Oregon.

JAMES F. BOICKLE, M.D., Clinical Instructor in Medicine (1952).
   B.A. (1943), Oregon; M.D. (1946), Creighton.

NORMAN L. BLINE, M.D., Clinical Instructor in Radiology (1950).
   B.A. (1937), Whitman; M.D. (1943), Oregon.

ROSE MARY BOCCIE, M.S., Instructor in Biochemistry (1957).
   B.S. (1946), Marylhurst; M.S. (1954), Oregon.

DARRELL C. BOLLAM, M.D., Clinical Associate in Surgery (1937).
   B.S. (1927), M.D. (1928), Oregon.

WILBUR M. BOLTON, M.D., Assistant Clinical Professor of Otolaryngology (1929).

ALLEN M. BOYDEN, M.D., Associate Clinical Professor of Surgery (1946).

THOMAS J. BOYDEN, M.D., Clinical Instructor in Orthopedic Surgery (1953).

GEORGE A. BOYLSTON, M.D., Assistant Clinical Professor of Medicine (1946).

CHARLES BRADLEY, M.D., Associate Professor of Pediatrics and Child Psychiatry;
   Head of Division of Child Psychiatry (1948).
   B.S. (1925), Cornell; M.D. (1929), Harvard.

SAMUEL A. BRANDON, D.D.S., Clinical Associate in Dental Medicine (1941).
   D.D.S. (1920), California.

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

FACULTY

MELVIN W. BEEZE, M.D., Clinical Instructor in Obstetrics and Gynecology (1948).
   B.S. (1916), Oregon State; M.D. (1943), Oregon.

GWYNN C. BRICE, Administrative Assistant, Assistant Director of Outpatient Clinic (Assistant Professor) (1946).

MORRIS L. BRIDGE, M.D., Associate Clinical Professor of Pediatrics (1927).
   Ph.D., (1916), Montana State University; M.D. (1924), Oregon.

ISIDOR C. BRILL, M.D., Associate Clinical Professor of Medicine (1916).
   B.A. (1912), M.D. (1914), Columbia.

DONALD M. BRENTON, M.D., Clinical Instructor in Anesthesiology (1959).

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


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

JAMES E. 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., Associate in Ophthalmology (1959).
   B.S. (1945), University of Portland; M.D. (1947), Oregon.

WILLIAM Y. BURTON, M.D., Associate Clinical Professor of Radiology (1940).
   A.B. (1921), B.S. (1933), Missouri; M.D. (1936), Washington University.

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

JOHN L. BUTLER, M.D., Assistant Professor of Psychiatry (1958).
   B.S. (1943), Idaho; M.D. (1946), Johns Hopkins.

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

IVAN M. CAMPBELL, M.D., Clinical Instructor in Psychiatry (1946).
   M.D. (1926), Toronto.

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

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

SANTE CAMPARIOLI, 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 CARLSON, M.D., Clinical Instructor 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.A. (1943), University of Portland; M.D. (1944), Oregon.

GEORGE E. CHAMBERLAIN, M.D., Clinical Professor of 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 Clinical Professor of Surgery (1940).
B.A. (1931), Victoria; M.D. (1934), Toronto; M.S. (1939), Minnesota.

CHARLES L. CHAVIGNY, M.D., Clinical Instructor in Obstetrics and Gynecology (1955).
B.S. (1933), B.E. (1934), Tulane; M.D. (1951), Louisiana State.

BRUCE R. CHENOWETH, M.D., Clinical Instructor in Dermatology (1956).

HOWARD L. CHEWSY, M.D., Clinical Instructor in Orthopedic Surgery (1950).
M.D. (1943), Oregon.

LEONARD CHRISTENSEN, M.D., Associate Professor of Ophthalmology (1950).

E. GEORGE CHUINARD, M.D., Associate Clinical Professor of Orthopedic Surgery (1938).
B.A. (1926), Puget Sound; M.D. (1934), Oregon.

C. LOUISE CLANCY, M.D., Clinical Instructor in Obstetrics and Gynecology (1944).
B.A. (1929), Albion; M.D. (1934), University of Chicago.

MARION A. CLARK, M.D., Clinical Instructor in Urology (1955).
B.S. (1944), University of Washington; M.D. (1947), Western Reserve.

WILLIAM M. CLARK, Jr., M.D., Assistant 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. (1941), Minnesota.

JOHN G. CLELAND, M.D., Clinical Associate in Surgery (1948).
M.D., C.M. (1924), M.S. (1926), McGill.

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

KEITH M. CLISBY, M.D., Clinical Instructor in Surgery (1947).
B.S. (1929), Oregon State; M.D. (1934), Oregon.

QUINTEN W. COCHRAN, M.D., Assistant Clinical Professor of Pediatrics (1951).
B.A. (1940), Reed; M.D. (1943), Oregon.

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

RICHARD M. COFFEE, 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. COLIER, M.D., Clinical Instructor in Urology (1956).
B.S. (1941), Alaska; M.D. (1944), Oregon.

GEORGE F. COLLINS, 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. (1940), College of Idaho; M.D. (1943), Oregon.

WILLIAM S. CONKLIN, M.D., Assistant Clinical Professor of Medicine; Associate Clinical Professor of Surgery (1943).
A.B. (1931), Dartmouth; M.D. (1934), Pennsylvania.

GEORGE W. COSTELL, M.D., Clinical Associate in Orthopedic Surgery (1949).

CLAUDE R. CRITTENDEN, M.D., Clinical Instructor in Dental Medicine (1959).
B.S. (1944), U.S. Merchant Marine Academy; D.M.D. (1951), Oregon.

FRANK W. CROWE, M.D., Associate Clinical Professor of Dermatology (1957).
B.S. (1941), Idaho; M.D. (1949), Utah.

JOYCE 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. DAVIES, M.D., Professor of Pharmacology; Chairman of Department (1937).
A.B. (1925), M.D. (1931), California.

AUBREY E. DAVID, M.D., Clinical Associate in Medicine (1934).
B.A. (1927), Stanford; M.D. (1929), Oregon.

EDWARD M. DAVID, M.D., Clinical Associate in Neurosurgery (1948).

HAROLD E. DAVID, 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, D.M.D., Clinical Associate in Dental Medicine (1951).

ESTILL N. DEITZ, 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).
B.S. (1945), Oregon State; M.D. (1951), Oregon.

DAVID E. DEWEES, M.D., Clinical Professor of Otolaryngology; Acting Chairman of Department (1944).

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 E. DICK, M.D., 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. (1927), M.D. (1938), Northwestern.
MEDICAL SCHOOL

MARLOW DITTEBRANDT, M.D., Assistant Clinical Professor of Clinical Pathology (1948).

HENRY H. DIXON, M.D., Clinical Professor of Psychiatry (1932).
M.D. (1929), Washington University.

DONALD P. DORSON, M.D., Clinical Instructor in Anesthesiology (1957).
M.D. (1935), Boston University.

RALPH M. DORSON, M.D., Assistant Clinical Professor of Surgery (1922).
B.A. (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. DUBIS, 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. Dupree, M.D., Associate Professor of Obstetrics and Gynecology (1957).
B.A. (1939), M.D. (1944), Stanford.

Harold F. Dykert, 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.

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


Lester H. Eisenstadt, M.D., Clinical Instructor in Surgery (1950).

Donald G. Eland, D.M.D., Clinical Associate in Dental Medicine (1956).
D.M.D. (1947), Oregon.

Otto R. Emt, M.D., Assistant Professor of Pathology and Obstetrics and Gynecology (1957).
B.S. (1943), University of Portland; M.D. (1944), Oregon.

Rudolph C. H. Engel, M.D., Associate Professor of Pediatrics (1952).
M.D. (1929), University of Bonn (Rhineland); M.S., M.D. (1949), Minnesota.

Wayne G. Erickson, M.D., Assistant Clinical Professor of Radiology (1950).
B.A. (1944), Stanford; M.D. (1946), Oregon.

Harold M. Erickson, M.D., Assistant Clinical Professor of Public Health and Preventive Medicine (1947).

John W. Evans, M.D., Assistant Clinical Professor of Psychiatry (1939).
B.A. (1932), M.D. (1933), Oregon.

Frank G. Everett, M.D., D.M.D., Clinical Associate in Dental Medicine (1951).
M.D. (1921), Vienna; B.S., D.M.D. (1941), M.S. (1948), Oregon.

Clifford L. Fea, M.D., Associate Clinical Professor of Obstetrics and Gynecology (1940).
B.A. (1936), Montana State University; M.D. (1925), Kansas.

FACULTY

Jack H. Fellman, Ph.D., Assistant Professor of Biochemistry; Associate in Neurology (1955).

J. Edward Field, M.D., Clinical Associate in Medicine (1945).
M.D. (1940), Louisville.

J. D. Finlay, D.M.D., Clinical Instructor in Dental Medicine (1935).
B.S., D.M.D. (1932), Oregon.

Robert E. Fischer, M.D., Clinical Instructor in Ophthalmology (1952).
B.A. (1944), Oregon State; M.D. (1946), Oregon.

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

Stella Fisher, M.D., Clinical Instructor in Medicine (1953).
B.A. (1933), Hunter; M.D. (1937), Woman's Medical College.

H. Freeman Fitch, M.D., Clinical Instructor in Orthopedic Surgery (1958).

Henry C. Fixott, Jr., D.M.D., Clinical Associate in Dental Medicine (1939).
D.M.D. (1928), Oregon.

John R. Flanery, M.D., Clinical Instructor in Medicine (1956).

Donald E. Forster, M.D., Clinical Associate in Medicine (1939).

Thomas J. Fox, M.D., Clinical Associate in Surgery (1950).
B.S. (1927), University of Portland; M.D. (1941), Oregon.


W. Ronald Frazier, M.D., Clinical Instructor in Obstetrics and Gynecology (1932).
B.S. (1925), Reed; M.D. (1929), Harvard.

Amy Frederick, B.S., Assistant Business Manager (Assistant Professor) (1946).
B.S. (1932), Oregon State.

Katherine S. French, Ph.D., Instructor in Anthropology in Pediatrics (1959).
B.A. (1942), Pomona; Ph.D. (1955), Columbia.

Arthur W. Frisch, M.D., Professor of Bacteriology; Chairman of Department (1946).

David C. Frisch, M.D., Clinical Instructor in Dermatology (1952).

Louis H. Friesche, M.D., Associate Clinical Professor of Radiology (1953).
M.D. (1949), Harvard.

B.A. (1947), Michigan; M.D. (1952), Temple.

Remy W. Fulshe, M.D., Clinical Instructor in Obstetrics and Gynecology (1955).
M.D. (1930), Ohio State.

Petra J. Galante, M.D., Clinical Instructor in Medicine (1955).
B.A. (1928), Cornell; M.D. (1933), Royal University of Turin (Italy).

William P. Galen, M.D., Clinical Associate in Medicine (1953).
GERHARD B. HAUGEN, M.D., Assistant Clinical Professor of Psychiatry (1937).

JAMES B. HAWORTH, M.D., Associate Professor of Radiology (1953).
B.S. (1933), M.D. (1936), Oregon.

JOHN F. HAYES, M.D., Clinical Instructor in Surgery (1955).

THOMAS S. HEALY, M.D., Clinical Associate in Medicine (1951).
B.A. (1940), M.D. (1942), Oregon.

CARL G. HELLER, M.D., Associate Clinical Professor of Medicine (1944).
Ph.B. (1935), Ph.D. (1940), Wisconsin.

PHILIP H. HENDERSON, Jr., M.D., Clinical Instructor in Obstetrics and Gynecology (1954).
B.S. (1945), University of Washington; M.D. (1948), Oregon.


HARRIE F. HESS, Ph.D., Instructor in Medical Psychology (1959).

WILLIAM W. HICKS, Jr., M.D., Clinical Instructor in Obstetrics and Gynecology (1958).
M.D. (1953), Jefferson Medical College; B.S. (1954), University of Washington.

ALLAN J. HILL, JR., M.D., Professor of Pediatrics; Chairman of Department (1950).
B.S. (1937), M.B. (1939), M.D. (1940), Minnesota.

IRVIN B. HILL, M.D., Clinical Instructor in Psychiatry (1955).
B.A. (1946), University of Oregon, M.D. (1949), Oregon.

ROBERT V. HILL, M.D., Assistant Clinical Professor of Ophthalmology (1948).
B.S. (1936), Oregon State; M.D. (1939), Oregon.

VINCENT C. HINCK, M.D., Assistant Professor of Radiology (1957).

CLARENCE V. HODGES, M.D., Professor of Urology; Head of Division (1948).
B.S. (1937), Iowa State; M.D. (1940), University of Chicago.

BLAIR HOLCOMB, M.D., Clinical Professor of Medicine (1922).
M.D. (1919), Rush.

DONALD H. HOLDEN, M.D., Clinical Instructor in Otolaryngology (1953).
A.B. (1941), Brown; M.D. (1944), Yale.

THOMAS D. HOLDER, D.M.D., Clinical Instructor in Dental Medicine (1951).

JAMES E. HOLLAND, M.D., Clinical Instructor in Medicine (1957).
M.D. (1953), Creighton.

CHARLES N. HOLMAN, M.D., Professor of Medicine; Associate Dean of Medical School; Medical Director and Administrator of Hospitals and Clinics (1940).

CARL E. HOPKINS, Ph.D., Associate Professor of Public Health and Preventive Medicine (1949).

RICHARD J. HOPKINS, M.D., Clinical Associate in Orthopedic Surgery (1950).
B.S. (1943), Idaho; M.D. (1944), Oregon.

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B.S. (1937), Minnesota.

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WARREN C. HUNTER, M.D., Professor of Pathology; Chairman of Department (1922).

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B.A. (1932), College of City of New York; M.S. (1933), New York University; M.D. (1937), Long Island.

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TOSIBO INAHARA, M.D., Clinical Instructor in Surgery (1956).

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STANLEY W. JACOB, M.D., Assistant Professor of Surgery (1959).

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B.S. (1930), Denison; M.D. (1933), Ohio State; M.S. (1940), Wayne.

NORMAN M. JANZER, M.D., Clinical Instructor in Psychiatry (1955).

RUTH JENS, M.D., Clinical Instructor in Psychiatry (1947).
M.D. (1935), Michigan.

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MARION L. Krippahne, M.D., Clinical Associate in Medicine (1952). B.S. (1944), University of Washington; M.D. (1948), Oregon.

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LOUIE LINO, Ph.D., Instructor in Neurology (1958).
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CHARLES E. LITTLE HALE, M.D., Clinical Associate in Medicine (1939).

JAMES H. Lium, M.D., Associate Clinical Professor of Clinical Pathology (1953).
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B.A. (1936), Stanford; M.D. (1939), Harvard.

WILLIAM K. LIVINGSTON, M.D., Clinical Professor of Surgery (1925).

ERNST T. LIVINGSTONE, M.D., Clinical Associate in Medicine (1955).

RAY S. Lobb, M.D., Clinical Instructor in Medicine (1954).
B.A. (1943), University of Washington; M.D. (1950), Louisville.

WALTER C. LOrTZ, Jr., M.D., Professor of Dermatology; Head of Division (1959).
B.S. (1939), B.M. (1940), M.D. (1941), Cincinnati.

B.S. (1931), Idaho; M.D. (1940), Oregon.

LENIER ARTHUR LODMELL, M.D., Clinical Associate in Medicine (1946).
B.S. (1931), North Dakota; B.M. (1933), M.D. (1934), Northwestern.

GEORGE B. LONG, M.D., Associate Clinical Professor of Medicine; Senior Consultant in Gastroenterology (1943).
B.A. (1934), Montana State University; M.D. (1939), Northwestern.

J. WAYNE Loomis, M.D., Assistant Clinical Professor of Radiology (1951).
B.A. (1940), Reed; M.D. (1943), Oregon.

ERNEST J. LOSLI, M.D., Clinical Instructor in Pathology (1952).
B.A. (1925), M.D. (1928), Oregon.

Lawrence M. Lowell, M.D., Assistant Clinical Professor of Surgery (1950).
B.S. (1933), Washington State; M.D. (1936), Oregon.

Leo S. Lucas, M.D., Clinical Professor of Orthopedic Surgery; Senior Consultant (1924).
B.A. (1919), Pacific University; M.D. (1923), Oregon.

George P. Lyman, M.D., Clinical Associate in Ophthalmology (1954).
B.A. (1926), Pomona; M.D. (1931), Yale.

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B.A. (1938), Hamilton; M.D. (1942), New York University.

Elton L. McCawley, Ph.D., Professor of Pharmacology (1949).

Guy R. McCutchan, M.D., Clinical Associate in Medicine (1939).
B.S. (1929), Grand Island; M.D. (1931), Nebraska.


Donald P. McGehee, M.D., Clinical Instructor in Medicine (1955).
B.S. (1944), Carroll; M.D. (1945), Loyola.

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

Matthew McKirdie, M.D., Associate Clinical Professor of Surgery (1940).
B.S. (1929), University of Chicago; M.D. (1934), Rush.

DUNCAN A. McLAUCLAN, M.D., Clinical Instructor in Psychiatry (1957).
B.S. (1941), University of Washington; M.D. (1944), Oregon.

Edward N. McLEAN, M.D., Clinical Associate in Ophthalmology (1957).
M.D. (1948), Long Island.

Raymond A. McMAHON, M.D., Clinical Associate in Medicine (1938).
B.A. (1932), Ripon; M.D. (1933), Wisconsin.

W. Robert McMuray, M.D., Clinical Instructor in Orthopedic Surgery (1953).

Laurence K. MacDaniels, M.D., Clinical Instructor in Medicine (1949).
B.A. (1933), Reed; M.D. (1941), Oregon.

Curtis A. MacFarlane, M.D., Clinical Instructor in Urology (1958).

David W. MacFarlane, M.D., Clinical Instructor in Pediatrics (1956).

IRA A. Manvile, M.D., Clinical Instructor in Medicine (1922).

Robert W. Marcum, M.D., Clinical Associate in Surgery (1951).
B.S. (1934), Pacific University; M.D. (1940), Oregon.

Merr L. Margason, M.D., Clinical Professor of Medicine; Senior Consultant in Neurology (1926).
A.B. (1920), M.D. (1923), Oregon.

F. Keith Marke, M.D., Clinical Instructor in Obstetrics and Gynecology (1952).
B.A. (1944), Willamette; M.D. (1946), Oregon.

R. Kent Mark, M.D., Clinical Instructor in Surgery (1953).
B.A. (1944), Willamette; M.D. (1946), Oregon.

Richard E. Markley, M.D., Clinical Instructor in Ophthalmology (1953).
B.A. (1938), Denver; M.D. (1942), Colorado.

Alfred N. Marshall, M.D., Clinical Instructor in Obstetrics and Gynecology (1957).
B.S. (1932), University of Washington; M.D. (1937), Oregon.

Karl H. Martzloff, M.D., Associate Clinical Professor of Surgery (1926).
B.A. (1913), Oregon; M.D. (1917), Johns Hopkins.

David C. Mason, M.D., Clinical Instructor in Surgery (1951).
B.A. (1940), Reed; M.D. (1943), Oregon.

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. (1920), M.D. (1932), Nebraska.

Robert E. Mass, M.D., Clinical Associate in Medicine (1957).

John Clifton Massar, M.D., Assistant Clinical Professor of Dermatology (1955).
B.S. (1945), University of Washington; M.D. (1948), Oregon.

Joseph D. Matarazzo, Ph.D., Professor of Medical Psychology (1957).

Ruth G. Matarazzo, Ph.D., Assistant Professor of Medical Psychology (1957).

Willard L. Mathiesen, M.D., Clinical Instructor in Surgery (1956).
M.D. (1943), College of Medical Evangelists.
ROY R. MATTHEI, M.D., Clinical Associate in Medicine (1946).
B.S. (1940), M.D. (1942), Creighton.

D.M.D. (1945), Oregon.

GORDON L. MAURICE, M.D., Clinical Associate in Medicine (1949).
B.S. (1940), Washington State; M.D. (1943), Oregon.

JOHN ARTHUR MAY, M.D., Assistant Clinical Professor of Pediatrics (1948).
B.A. (1939), University of Washington; M.D. (1943), Oregon.

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B.S. (1946), M.D. (1948), Creighton.

VICTOR D. MENASHE, M.D., Instructor in Pediatrics (1956).
B.S. (1945), Kansas; M.A. (1948), Columbia.

THOMAS L. MENDEN, M.D., Clinical Instructor in Public Health and Preventive Medicine (1947).

ROBERT T. MERRIFIELD, M.D., Clinical Instructor in Orthopedic Surgery (1955).

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B.A. (1951), Oregon State; M.S., M.D. (1953), Oregon.

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B.A. (1951), Oregon State; M.S., M.D. (1953), Oregon.

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B.A. (1951), Oregon State; M.S., M.D. (1953), Oregon.

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B.A. (1951), Oregon State; M.S., M.D. (1953), Oregon.

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B.A. (1951), Oregon State; M.S., M.D. (1953), Oregon.

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B.A. (1951), Oregon State; M.S., M.D. (1953), Oregon.

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B.A. (1951), Oregon State; M.S., M.D. (1953), Oregon.

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B.A. (1951), Oregon State; M.S., M.D. (1953), Oregon.

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B.A. (1951), Oregon State; M.S., M.D. (1953), Oregon.

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B.A. (1951), Oregon State; M.S., M.D. (1953), Oregon.

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B.A. (1951), Oregon State; M.S., M.D. (1953), Oregon.
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B.A. (1944), M.D. (1947), Iowa.

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B.A. (1938), Cornell; M.S. (1939), University of Chicago; Ph.D. (1946), Maryland.

DONALD E. OLSON, M.D., Clinical Instructor in Medicine (1955).
B.A. (1943), Reed; M.S. (1944), Ph.D. (1948), Oregon.

B.S. (1933), University of Washington; M.D. (1937), Oregon.

SOLANOS, M.D., Clinical Instructor in Orthopedic Surgery (1958).
B.S. (1943), Michigan State; M.D. (1945), Michigan.

EDWIN E. OSGOOD, M.D., Professor of Medicine; Head of Division of Experimental Medicine and Division of Hematology (1922).

SAMUEL B. OSGOOD, M.D., Clinical Instructor in Public Health and Preventive Medicine (1951).
B.S. (1931), M.D. (1935), Oregon; M.S.P.H. (1939), California.

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B.A. (1944), College of Idaho; M.D. (1948), Oregon.

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B.A. (1942), Reed; M.D. (1947), Oregon.

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ALLEN H. PARKER, M.D., Clinical Instructor in Medical Psychology (1958).

BRENTE M. PARKER, M.D., Clinical Associate in Medicine (1957).
M.D. (1952), Washington University.

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

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B.S. (1936), St. Martin's; M.D. (1942), Creighton.

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EDGAR M. RECTOR, M.D., Assistant Clinical Professor of Pediatrics (1946).

CHARLES E. REED, M.D., Clinical Associate in Medicine (1951).

SHERMAN E. REES, M.D., Clinical Associate in Radiology (1929).

DONALD G. REESE, D.M.D., Clinical Associate in Dental Medicine (1949).

MELVIN K. REEVES, M.D., Clinical Instructor in Surgery (1957).

EDWARD E. RIPPEY, M.D., Clinical Instructor in Surgery (1953).

LEONARD B. ROSE, M.D., Clinical Associate in Medicine (1956).

JOSEPH M. ROBERTS, M.D., Clinical Associate in Surgery (1936).

R. WAYNE EDWIN G. ROBINSON, M.D., Clinical Instructor in Orthopedic Surgery (1950).

ROBERT E. RINEHART, M.D., Clinical Instructor in Medicine (1953).

EDWARD E. RIPPEY, M.D., Clinical Instructor in Surgery (1953).

ROBERT C. RITTEL, D.M.D., Clinical Instructor in Dental Medicine (1956).

EDWARD W. RITTMANN, M.D., Associate Clinical Professor of Medicine (1954).

JOSEPH M. ROBERTS, M.D., Clinical Associate in Surgery (1936).

GEORGE M. ROBINS, M.D., Clinical Associate in Medicine (1948).

EDWIN G. ROBINSON, M.D., Clinical Instructor in Orthopedic Surgery (1950).

EUGENE W. ROCKEY, M.D., Clinical Professor of Surgery (1915).

WAYNE R. ROGERS, M.D., Clinical Instructor in Medicine (1956).

LEONARD B. ROSE, M.D., Clinical Associate in Medicine (1956).

EDWARD E. ROSENBAUM, M.D., Assistant Clinical Professor of Medicine (1948).

WILLIAM M. ROSENBAUM, M.D., Clinical Instructor in Surgery (1949).

HENRY E. SCHLEGEL, M.D., Clinical Associate in Ophthalmology (1954).

GEORGE J. SCHUKNECHT, M.D., Clinical Instructor in Pediatrics (1954).

BEDFORD S. ROSS, Ph.D., Assistant Professor of Physiology (1954).

WILLIAM J. ROWLAND, M.D., Clinical Instructor in Surgery (1947).

HOMER P. RUSH, M.D., Clinical Professor of Medicine; Senior Consultant in Cardiology (1921).

ARTHUR M. RUSTIN, M.D., Clinical Instructor in Urology (1954).

ARTHUR M. RUSTIN, M.D., Clinical Professor of Surgery (1950).

EDWARD W. ST. PIERRE, M.D., Associate Clinical Professor of Surgery (1933).

GEORGE L. SAWICKI, M.D., Clinical Associate in Ophthalmology (1937).

ARTHUR M. RUSTIN, M.D., Clinical Professor of Surgery (1950).

BENJAMIN B. ROSS, Ph.D., Assistant Professor of Physiology (1954).

JOHN CLARENCE ROTH, M.D., Assistant Professor of Anesthesiology (1957).

JAMES W. ROSENFIELD, M.D., Professor Emeritus of Pediatrics (1912).

M.D. (1910), Johns Hopkins.

JOHN GORDON ROTH, M.D., Clinician in Neurosurgery (1958).

M.D. (1925), Oregon.

B.S. (1942), Idaho; M.D. (1952), Washington University.

M.D. (1945), Columbia.

M.D. (1925), Oregon.

B.S. (1941), Washington State; D.M.D. (1946), Oregon.

B.S. (1943), Hamline; B.M. (1946), M.D. (1947), M.S. (1957), Minnesota.

B.S. (1949), St. Thomas; M.D. (1953), Marquette.

B.S. (1930), Montana State University; M.D. (1940), College of Medical Evangelists.

B.A. (1945), Reed; M.D. (1947), Oregon.

D.D.S. (1947), Washington University; M.S. (1951), California.

B.A. (1917), Reed; M.A. (1922), Oregon; M.D. (1926), Harvard.

C.E. (1941), Ph.D. (1943), National University of Engineering Science (Athens, Greece).

B.A. (1941), Oregon State University; M.D. (1943), Oregon.

B.S. (1957), Oregon State; M.S. (1942), Oregon.

B.A. (1920), Walla Walla; M.D. (1924), College of Medical Evangelists.

B.A. (1936), Columbia; M.D. (1940), Louisiana.

B.S. (1938), M.D. (1940), Nebraska.

B.S. (1930), Montana State University; M.D. (1934), College of Medical Evangelists.


A.B. (1947), Municipal University of Wichita; M.D. (1950), Kansas.

B.S. (1947), Idaho; M.D. (1952), Washington University.

B.S. (1936), M.D. (1940), Washington University.


B.A. (1943), St. Thomas; M.D. (1953), Marquette.

B.S. (1949), Union; Ph.D. (1954), Rochester.


B.S. (1947), Idaho; M.D. (1952), Washington University.

A.B. (1936), M.D. (1940), Washington University.

M.D. (1921), Oregon.

M.D. (1950), Iowa.

M.D. (1921), Rush.

M.D. (1940), Harvard.

B.S. (1950), Seattle; M.D. (1953), St. Louis.

B.S. (1921), Virginia; M.D. (1927), Washington University.


Ph.G. (1928), B.S. (1930), M.D. (1932), Maryland; M.S. (1937), Minnesota.

B.S. (1942), Idaho; M.D. (1951), Oregon.

B.S. (1942), Idaho; M.D. (1951), Oregon.

B.S. (1918), Williams; M.D. (1923), Harvard.

M.D. (1953), Oregon University.

B.A. (1948), Idaho; M.D. (1953), Washington University.

B.S. (1942), Idaho; M.D. (1951), Oregon.

A.B. (1918), Williams; M.D. (1923), Harvard.

B.S. (1942), M.A. (1943), South Dakota; M.D. (1945), Oregon.

B.A. (1936), M.S. (1938), Idaho; M.D. (1942), University of Chicago.

B.A. (1943), Jamesstown; B.S. (1944), North Dakota; M.D. (1946), Illinois.


A.B. (1922), Stanford; M.D. (1925), Harvard.

B.S. (1949), Union; Ph.D. (1954), Rochester.


B.S. (1947), Idaho; M.D. (1952), Washington University.

A.B. (1936), M.D. (1940), Washington University.

M.D. (1921), Oregon.

M.D. (1950), Iowa.

M.D. (1921), Rush.

M.D. (1940), Harvard.

B.S. (1950), Seattle; M.D. (1953), St. Louis.

B.S. (1921), Virginia; M.D. (1927), Washington University.


Ph.G. (1928), B.S. (1930), M.D. (1932), Maryland; M.S. (1937), Minnesota.

B.S. (1942), Idaho; M.D. (1951), Oregon.

B.S. (1942), Idaho; M.D. (1951), Oregon.

B.S. (1918), Williams; M.D. (1923), Harvard.

B.S. (1942), M.A. (1943), South Dakota; M.D. (1945), Oregon.

B.A. (1936), M.S. (1938), Idaho; M.D. (1942), University of Chicago.

B.A. (1943), Jamesstown; B.S. (1944), North Dakota; M.D. (1946), Illinois.

M.D. (1940), Northwestern.

JAMES C.

LAURENCE SELLING, M.D., Professor Emeritus of Medicine (1912).

RICHARD L.

FRANK B.

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

HARRY J. SEARS, Ph.D., Professor Emeritus of Bacteriology (1918).

DORIS CATHERINE SMITH, Instructor in Radiological Technique (1954).

FAULKNER A. SHORT, M.D., Clinical Associate in Orthopedic Surgery (1945).

B. A. (1919), Brown; M.A. (1923), Colorado; Ph.D. (1923), M.D. (1933), University of Chicago.

PAUL E. SHICK, Jr., M.D., Assistant Clinical Professor of Pediatrics (1951).

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

M. D. (1940), Kansas.

FRED C. SHIPPS, M.D., Clinical Instructor in Radiology (1954).

NATHAN SHLIM, M.D., Clinical Instructor in Surgery (1956).

B. A. (1937), Wisconsin; M.D. (1941), Rush.

FAULKNER A. SHORT, M.D., Clinical Associate in Orthopedic Surgery (1945).


FRANK SHUBECK, M.D., Assistant Professor of Obstetrics and Gynecology (1958).


ROBERT R. SIDDOWAY, D.M.D., Clinical Instructor in Dental Medicine (1952).

D. M. D. (1950), Oregon.

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

M. D. (1924), Oregon.

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


RICHARD L. SLEETER, M.D., Associate Professor of Pediatrics (1953).

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

DONALD R. SLOCUM, M.D., Clinical Associate in Orthopedic Surgery (1956).

B.S. (1932), Stanford; M.D. (1932), Oregon; M.S. (1939), Tennessee.

CHARLES E. SMITH, D.M.D., Clinical Associate in Dental Medicine (1946).

D. M. D. (1940), Oregon.

DORIS CATHERINE SMITH, Instructor in Radiological Technique (1954).

FRANK B. SMITH, M.D., Associate Clinical Professor of Orthopedic Surgery (1944).

B.A. (1933), Southern California; C.M., M.D. (1937), McGill.

GORDON N. SMITH, M.D., Clinical Instructor in Obstetrics and Gynecology (1957).

B.S. (1951), Oregon State; M.D. (1953), Oregon.

LENNON H. SMITH, M.D., Assistant Clinical Professor of Pediatrics (1951).

B.A. (1944), Reed; M.D. (1946), Oregon.

NORRIS D. SMITH, M.D., Clinical Instructor in Medicine (1958).


ROGERS J. SMITH, M.D., Clinical Instructor in Psychiatry (1957).

A.B. (1942), Swarthmore; M.D. (1945), Michigan.

KENNETH D. SMITH, M.D., Clinical Instructor in Otolaryngology (1957).


VINTON D. SNEEDEN, M.D., Clinical Professor of Pathology (1939).

B.A. (1932), Linfield; M.D. (1936), Oregon.

WILLIAM E. SNELL, M.D., Associate Professor of Orthopedic Surgery; Head of Division (1951).

B.S. (1943), M.D. (1945), Oregon.

WILLIAM M. SNOOK, M.D., Clinical Instructor in Pediatrics (1954).

B.A. (1949), Virginia.

JOHN L. SOELLING, M.D., Clinical Associate in Medicine (1953).

B.A. (1944), Columbia; M.D. (1946), New York Medical College.


B.S. (1944), Montana School of Mines; M.D. (1951), St. Louis.

JAMES T. SPEROS, M.D., Assistant Professor of Medicine (1940).


B.A. (1935), College of Idaho.

PAUL R. STERLING, M.D., Clinical Instructor in Obstetrics and Gynecology (1958).


HARRY E. SPRANG, M.D., Clinical Instructor in Psychiatry (1951).

B.S. (1942), Baldwin-Wallace; M.D. (1945), Ohio State.

JOHN H. STALNAKER, M.D., Clinical Instructor in Medicine (1951).

B.A. (1941), Willamette; M.D. (1945), Oregon.

ALBERT STARR, M.D., Assistant Professor of Surgery (1957).


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


DAN N. 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.

JANICE R. STEVENS, M.D., Assistant Professor of Neurology (1955).

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).

36 MEDICAL SCHOOL

William A. Stotler, Ph.D., Associate Professor of Anatomy (1946).
A.B. (1935), Westminster; M.S. (1937), St. Louis; Ph.D. (1947), Cornell.

Theodore Suher, D.M.D., Clinical Associate in Dental Medicine (1949).
B.S.; D.M.D. (1946), Oregon; M.S. (1948), Illinois.

Ralph R. Sullivan, M.D., Clinical Instructor in Dermatology (1951).
B.S. (1933), M.B. (1929); M.D. (1930), Minnesota; M.P.H. (1943), Michigan.

Kenneth C. Swan, M.D., Professor of Ophthalmology; Chairman of Department (1944).
B.A. (1933), M.D. (1936), Oregon.

Roy L. Swank, M.D., Professor of Medicine; Head of Division of Neurology (1953).
B.S. (1930), University of Washington; M.D. Ph.D. (1935), Northwestern.

B.A. (1940), M.D. (1943), Yale.

William J. Swett, M.D., Clinical Associate in Medicine (1938).
B.A. (1928), Reed; M.D. (1932), Oregon.

David S. Takalo, M.S., Clinical Instructor in Medical Technology (1956).
B.S. (1941), M.S. (1942), Oregon State.

Thomas E. Talbot, M.D., Assistant Clinical Professor of Ophthalmology (1953).

Ronald K. Tall, D.M.D., Clinical Associate in Dental Medicine (1957).
D.M.D. (1945), Oregon.

Ellen J. Talman, Ph.D., Assistant Professor of Biochemistry (1955).
B.A. (1942), Reed; M.S. (1949), Ph.D. (1951), Oregon.

Howard J. Tatsum, M.D., Associate 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. Meade 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).

Wilbert R. Toon, Ph.D., Professor of Biochemistry (1936).
B.S. (1925), Ph.D. (1933), Wisconsin.

37 FACULTY

Joseph B. Trainer, M.D., Associate Professor of Physiology and Medicine (1949).
B.S. (1939), M.S. (1941), University of Washington; M.D. (1946), Oregon.

Thomas A. Treator, M.D., Clinical Instructor in Obstetrics and Gynecology (1959).
B.A. (1950), Syracuse; M.D. (1954), New York State University.

John P. Trommel, M.D., Assistant Clinical Professor of Surgery (1939).
B.S. (1929), Yale; M.D. (1933), Harvard.

John E. Tuthy, M.D., Associate Clinical Professor of Medicine; Head of Division of Chest Diseases (1948).

Archie T. Tunturi, M.D., Associate Professor of Anatomy (1945).
B.A. (1939), Reed; M.S. (1943), Ph.D. (1944), Oregon.

Alvin O. Ukle, M.D., Clinical Instructor in Surgery (1955).
B.S. (1945), University of Portland; M.D. (1947), Northwestern.

Franklin J. Underwood, M.D., Assistant Clinical Professor of Medicine (1937).
M.D. (1933), Harvard.

Rex J. Underwood, M.D., Associate in Anesthesiology (1958).
B.A. (1950), Stanford; M.S. (1953), Oregon.

John T. Van Bruggen, Ph.D., Associate Professor of Biochemistry (1947).
B.A. (1937), Linfield; M.A. (1939), Oregon; Ph.D. (1944), St. Louis.

John G. Vandenberg, M.D., Clinical Instructor in Urology (1953).

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.

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

Ben Vignoff, M.D., Clinical Associate in Medicine (1938).

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), New York Medical College; M.D. (1944), Tennessee.

John H. Waterman, M.D., Clinical Instructor in Psychiatry (1957).
B.S. (1929), M.D. (1933), Nebraska.

Charles W. Watkins, M.D., Clinical Instructor in Dermatology (1958).
B.A. (1948), Montana; M.D. (1951), St. Louis; M.S. (1958), Minnesota.

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

Adolph Weizel, 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.
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.
Jareis 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. Bruce, Administrative Assistant; Assistant Director of Outpatient Clinic.

George M. Austin, M.D., Chief of Surgery Neurological Service.
Ralph C. Benson, M.D., Chief of Obstetrical and Gynecological Service.
William S. Conklin, M.D., Chief of Thoracic Surgical Service.
David D. DeWeese, M.D., Acting Chief of Otolaryngological Service.
Charles T. Dotter, M.D., Chief of Radiological Service.
J. Engelbert 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. Hodges, M.D., Chief of Urological Service.
Warren C. Hunter, M.D., Chief of Pathological Service.
Arthur C. Jones, M.D., Chief of Physical Medicine.
Howard P. Lewis, M.D., Chief of Medical Service.
Walter C. Lortz, Jr., M.D., Chief of Dermatological Service.
Harold J. Noyes, D.D.S., M.D., Chief of Dental Medical Service.
George Saslow, M.D., Chief of Psychiatric Service.
William E. Snell, M.D., Chief of Orthopedic Surgical Service.
Kenneth C. Swan, M.D., Chief of Ophthalmological Service.
Roy L. Swank, M.D., Chief of Neurological Service.
Mildred Bergheim, M.A., M.S.W., Supervisor of Medical Social Service.
Grace Black, O.T., Occupational Therapist.
A. J. Clemens, Supervisor of Physical Plant.
Hilda E. Drum, R.T., Chief X-Ray Technician.
Clarence Hultgren, M.A., P.T., Chief Physical Therapist.
Marjorie P. Maxwell, B.A., M.T., Chief Medical Technologist.
Marjorie R. Merrick, B.S., Chief of Admitting Service.
Joseph N. Genoud, Ph.G., Chief Pharmacist.

University of Oregon Medical School Hospital
Doernbecher Memorial Hospital for Children

Shirley M. Thompson, M.A., R.N., Director of Nursing Service.
Betty Weible, B.S., R.N., Pediatric Supervisor.
May E. Rawlinson, B.S., R.N., Surgical Supervisor.
Miriam Cassidy, M.A., R.N., Medical-Psychiatric Supervisor.
Eleanor Mallory, R.N., Surgery Supervisor.
Marian Green, M.S., R.N., Auxiliary Personnel Supervisor.
EVELYN BARTON, R.N., Night Supervisor.
Ruth Remly, R.N., Evening Supervisor.
Thelma Crossland, R.N., Assistant Night Supervisor.
Virginia McMullen, 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 Edens, R.N., Head Nurse.
Eva Ennis, B.S., R.N., Head Nurse.
Frederica 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.
Dorothy Cahill, R.N., Head Nurse.

General Outpatient Service

Gwynn C. Bruce, Assistant Director.
Marjorie R. Merrick, B.S., Chief Admitting Officer.
Marian W. Farsell, B.S., R.N., Director of Nursing Service.
Nancy W. Bishiear, B.S., Dietitian.

Multnomah Hospital

Jarvis Gould, M.D., Administrator and Assistant Medical Director.
Gale 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.
Ardys Hokeness, R.N., Supervisor.
LaVerne Honey, R.N., Evening Supervisor.
Lorraine Nelson, B.S., R.N., Clinical Instructor.
June Satchfield, B.S., R.N., Evening Supervisor.
Alice Sharp, R.N., Surgical Supervisor.
Emma H. McWilliams, R.N., Night Supervisor.
Jean Caldwell, B.S., R.N., Head Nurse.
Lauren Green, R.N., Head Nurse.
Esther Henderson, R.N., Head Nurse.
Joan Naysmith, R.N., Head Nurse.
LeAnn Poole, R.N., Head Nurse.
Jean Schoopher, R.N., Head Nurse.
Bernice Seter, B.S., R.N., Head Nurse.
Joyce Vercellino, R.N., Head Nurse.
Beverly Ward, R.N., Head Nurse.
Dorothy Yoshitomi, B.S., R.N., Head Nurse.

Hospitals and Clinics

Helen Colgan, Ph.G., Pharmacist.
Henry L. Dovenko, Chief Engineer.
Verona Johansen, R.N., Office Supervisor.
Ramona McAffee, 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 Hiett, M.S., R.N., Superintendent.
Elsa Swartz, R.N., Supervisor.
Jacklyn Prokopovich, R.N., Evening Supervisor.
Nellie Whipple, R.N., Night Supervisor.
Beverly Bryan, R.N., Head Nurse.
Lucille Dorriss, R.N., Head Nurse.
Margaret Ryan, R.N., Head Nurse.
Madelyn Hargis, B.S., Dietitian.

Visiting Physicians' Service

Randall White, M.D., Multnomah County Physician.
C. W. Cotterrell, M.D., Physician.
Harold Dobbins, M.D., Physician.
Anton D. Elmer, M.D., Physician.
Donald P. McGreevey, M.D., Physician.
Michael L. Mason, M.D., Physician.
Warren S. Welborn, M.D., Physician.
Celious L. Williams, M.D., Physician.

Crippled Children's Division

Richard L. Sleeter, M.D., Director.
Victor D. Menashe, M.D., Assistant Director.
Herold S. Lillywhite, Ph.D., Speech and Hearing Consultant.
Robert W. Blakeley, Ph.D., Speech and Hearing Consultant.
Herbert E. Greyswole, M.D., Cardiac Consultant.
William E. Snell, M.D., Orthopedic Consultant.
Albert Sears, M.D., Assistant Professor of Surgery.
Samuel G. Fletcher, Ph.D., Research Associate in Speech Pathology.
Gladys Bell, A.B., Medical Social Consultant.
Adele T. Hanna, B.A., Medical Social Consultant.
Ruth W. Sporelli, M.S.S., Medical Social Consultant.
Doris Carr, B.S., R.P.T., Physical Therapist.
Virginia R. Hatch, B.S., Occupational Therapist.
Margaret A. Costello, Administrative Assistant.

Cerebral Palsy Project

(Resolving Faculty Members)

William M. Clark, Jr., M.D., Assistant Professor of Pediatrics.
Robert L. Tips, M.D., Instructor in Pediatrics.
William W. Overduff, M.D., Instructor in Pediatrics.
Rudolf C. Engel, M.D., Associate Professor of Pediatrics.
Robert C. Schaam, M.D., Instructor in Pediatrics.
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MEDICAL SCHOOL

Otto R. Emig, M.D., Assistant Professor of Pathology and Obstetrics and Gynecology.
Frank Shubeck, M.D., Assistant Professor of Obstetrics and Gynecology.
Howard J. Tatum, M.D., Assistant Professor of Obstetrics and Gynecology.
Leo A. Pirojnkoff, Ph.D., Instructor in Medical Psychology.
Katherine S. French, Ph.D., Instructor in Anthropology and Pediatrics.
C. Donald Nelson, M.S., Research Assistant in Speech Pathology.

General Information

THE UNIVERSITY OF OREGON MEDICAL SCHOOL is located in Portland (population 412,100), 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 168-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 $75,000 from Portland citizens. Mackenzie Hall (1922), the second unit of the Medical Science Building, was financed through an appropriation of $113,000 by the 1921 State Legislature, matched by an equal appropriation from the General Education Board of New York. Named in honor of the late Dean Kenneth A. J. Mackenzie, the building is four stories high, similar in construction to the first unit, but has twice its capacity. An additional $50,000 was appropriated by the General Education Board for equipment.

The Outpatient Clinic (1931), open to patients throughout the state of Oregon who are unable to obtain medical care elsewhere, affords teaching facilities for the clinical branches of the Medical School. Over 140,000 patient visits are recorded annually. Funds for the construction of the building were provided through a gift of $400,000 from the General Education Board of New York. The Outpatient Clinic had its origin in the Portland Free Dispensary founded in 1907 by the People’s Institute, a private philanthropic institution. The dispensary affiliated with the Medical School in 1909 and moved to the campus in 1931.

Multnomah Hospital (1923, 1950), constructed through funds supplied by Multnomah County, has a capacity of 310 beds with facilities for general, medical, surgical, and obstetrical patients. The Multnomah Hospital group includes the University of Oregon State Board of Medical Examiners, the Portland Academy of Medicine, the Multnomah County Medical Society, and the Multnomah County Medical Society. The hospital is affiliated with the Medical School in 1909 and moved to the campus in 1931.

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.
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 educational and clinical boards (see page 96). 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 110 full-time faculty members serving in its basic and clinical science departments; and more than 450 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 takes place in the wards of the school's hospitals and at the Outpatient Clinic, where students learn under careful supervision and guidance how to apply their scientific knowledge to the care of patients and the prevention of disease.

The Medical School also offers a special five-year program of study for outstanding students leading to both the medical degree and the Master of Science degree. This program, offered through the basic science departments of the Medical School—anatomy, bacteriology, biochemistry, pathology, pharmacology, physiology, and 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 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.

A Department of Nursing Education is an important part of the Medical School's instructional program. Courses in medical technology and X-ray technique and clinical affiliations in dietetics and occupational therapy are also 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 96-97).

Research

ALTHOUGH THE PRIMARY PURPOSE of the University of Oregon Medical School is teaching medical students the science and art of medicine, another and equally important function is medical investigation into the causes and treatment of disease.

In the world-wide struggle to improve the health and happiness of mankind, millions of research dollars are expended annually in the nation's medical schools. Oregon is no exception. Investigations are underway at the Medical School that are supported by gifts and grants amounting to more than $1,000,000 annually. These funds are made available by public and private individuals and foundations, and by the state and Federal governments.

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

Student Organizations

Student American Medical Association. Medical students have an opportunity to join the Student American Medical Association (SAMA), a national medical student organization. The purpose of SAMA is to represent medical student interests on a national scale. Membership is voluntary and on an individual basis. Locally, SAMA, in addition to planning student activities, sponsors an all-campus activities calendar, scientific noon-hour programs, and a part-time employment file for medical students and their wives, and 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. Meeting places are rotated among the Portland hospitals.

**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 is scheduled for construction, beginning in the summer of 1959.

**Housing**

**WHILE NO FACILITIES FOR HOUSING** students are provided by the Medical School, many apartments and boarding houses are located close to the campus. In addition, the Alpha Kappa Kappa and Phi Beta Pi fraternities maintain housing for their members. An up-to-date list of vacancies in apartments and boarding houses is maintained in the Registrar's Office.

**Student Health Service**

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

Coverage by the Health Service is available if the student is registered for 7 hours or more credit in the current term and has paid the Health Service fee of $10.00 for the term. There is no provision for care of student's dependents and no provision for elective surgery. All married students are strongly advised to carry some form of hospital insurance.

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

**Fellowships, Scholarships, Prizes, Loan Funds**

**Noble Wiley Jones Pathology Research Fellowship.** This fellowship, established in 1919, consisting of the interest on $5,000 held in trust, is the gift of Dr. Noble Wiley Jones of Portland. It is awarded annually to a medical student or resident on the basis of scholastic ability, training in pathology, and interest in research in this field.

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

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

**Summer Student Research Fellowships.** A number of fellowships are available to selected medical students for summer research in both basic science and clinical departments. These fellowships provide the opportunity to gain first-hand experience in medical research under the supervision of experienced investigators. Application must be made to the head of the department concerned prior to April 1 preceding the summer for which the fellowship is to be awarded.

**Frank Ralston Research Student Assistantship.** This assistantship was established in 1946 through a gift of $5,000 from Dr. Frank Ralston. Since that time additional gifts have increased the principal of the fund to approximately $13,000. The funds are devoted to research in glaucoma under the direction of the head of the Department of Ophthalmology.

**Dr. laurence selling Student Research Scholarships.** The Selling Scholarship Fund was established in 1957 through a gift of approximately $200,000 from an anonymous donor. The income is to be used for student research scholarships at the Medical School. Students are recommended for the award by a committee of the faculty, and the awards are based on scholastic ability and research promise. Awards are limited to students participating in the five-year program. (See page 95, Five-Year Program.)

**Kenneth A. J. MacKenzie Memorial Scholarship.** Five $200 scholarships are awarded annually for the study of medicine, in accordance with the following
General Information

Medical School Loans. The Medical School has loan funds available for students. A limited number of loans are available from the Kellogg Loan Fund. These loans cover tuition, incidental fees, and special fees. Recipients must pay the building fee, the usual loan is $500 a year, and to the encouragement of scientific and professional progress among members of medicine. The association is devoted to the interests of students and graduates 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 of the Willamette University department of medicine.

State Scholarships. In accordance with special authorization from the Legislature, the 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. Scholarships are awarded by the dean upon the recommendation of the Scholarship Committee of the Medical School.

George H. Strowbridge Memorial Scholarship. This scholarship consists of the income from a bequest of $5,000 from Mary S. Muehlhaupt in memory of her husband, 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 of a gift of $1,000 from the late Henry Waldo Coe.

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

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

Loan Funds. The Medical School has loan funds available for students. In general, loans fall into two classifications—emergency and long-term loans. Long-term loans are generally limited to $500 a year or to a maximum of $1,000 to any one student. Emergency funds are available for small, short-term loans. Interest rates vary with the fund used and application should be made to the Medical School Business Manager's Office.

Ben Selling Loan Fund. This fund, a bequest from the late Mr. Ben Selling, is administered by Dr. Laurence Selling and the Trust Department of the First National Bank of Oregon.

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

F. E. Jacobs Memorial Loan Fund. This loan fund was established in 1950 through gifts from relatives and friends of the late Dr. F. E. Jacobs, a 1929 graduate of the University of Oregon Medical School. Loans are made to senior medical students. The fund at present totals approximately $900.

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.

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 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 1959-60 are:

Dr. Faulkner A. Short, Portland .................................................... President
Dr. John E. Tury, Portland .................................................... Vice-President
Dr. Allan L. Ferrin, Salem .................................................... Vice-President
Dr. Herbert D. Lewis, Hood River .................................................... President
Dr. George A. Ullery, St. Louis, Mo. .................................................... President
Dr. Daniel G. Vaughan, Jr., San Jose, Calif. .................................................... Vice-President
Dr. Arthur W. Sullivan, Portland .................................................... Secretary
Dr. Joseph E. Nohl, Portland .................................................... Treasurer
**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 suits a person for medicine, the best advice for a student planning to prepare for medical school is that he 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 liberal education which leads to an understanding of the world in which we live. The three or four years in college should be looked upon as an opportunity to gain a good general education and not merely as a stepping stone to medical school.

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

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

**ADMISSION REQUIREMENTS**

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

<table>
<thead>
<tr>
<th>Subject</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemistry</td>
<td>24</td>
</tr>
<tr>
<td>General inorganic, which may include qualitative analysis</td>
<td>12</td>
</tr>
<tr>
<td>Quantitative analysis, emphasis on volumetric analysis</td>
<td>4</td>
</tr>
<tr>
<td>Organic</td>
<td>8</td>
</tr>
<tr>
<td>Biology</td>
<td>15</td>
</tr>
<tr>
<td>General biology or zoology</td>
<td>9</td>
</tr>
<tr>
<td>Selections from comparative anatomy, embryology, or genetics (in this order of preference)</td>
<td>6</td>
</tr>
<tr>
<td>Physics</td>
<td>12</td>
</tr>
<tr>
<td>Mathematics</td>
<td>6</td>
</tr>
<tr>
<td><em>English</em></td>
<td>9</td>
</tr>
<tr>
<td>Electives</td>
<td>72</td>
</tr>
<tr>
<td><strong>Total prescribed credit</strong></td>
<td>138</td>
</tr>
</tbody>
</table>

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

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

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

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

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

*Recommended Elective Subjects.* The student preparing to study medicine is advised to plan a balance in elective courses between those in the natural sciences and those in the social sciences. The student should keep in mind that the practice of medicine involves much more than the purely biological or physical sciences. It requires a knowledge of the human environment and of the human mind.

The student preparing to study medicine should take courses in human relations courses such as psychology, sociology, and ethics. It is also desirable to take courses in the social sciences such as history, economics, and political science. It is recommended that the student have some knowledge of a major modern foreign language.

**Medical College Admission Test.** Applicants for admission are expected to take 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. 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 Idaho, Montana, Arizona, New Mexico, Wyoming, or Alaska 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-certified 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 transcript* of previous college record (sent directly to the University of Oregon Medical School Registrar by the registrar of the institution 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 2 1/2" x 3".*

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

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

**Processing of Applications**

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

**Personal Interview.** After examination of credentials, residents of Oregon generally are requested to appear for a personal interview with the Committee on Admissions. A personal interview is not requested of nonresidents whose credentials indicate that they cannot meet the competition for admission. 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.

**Acceptance of Appointment.** When an applicant is accepted for admission to the Medical School and wishes to accept this admission, a deposit of $25.00 must be paid not later than two weeks following notice of acceptance in order to reserve a place in the entering class. If the deposit is made prior to December 15, it is not refundable after January 15 should the student release his place in the class. If the deposit is made after December 15 it is not refundable after a period of thirty days following notice of acceptance.

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

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

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

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

A person who has failed a course as a medical student in another medical school may not repeat the course as a special student at the University of Oregon Medical School unless the course is given at some time other than during the regular academic year.

Special students are charged fees according to the credit hours of work taken. Application forms for admission as a special student may be obtained from the Registrar.

**Advanced Standing.** A student may be considered for admission with advanced standing, provided his official credentials are accompanied by a statement from the registrar of the institution from which he is transferring to the effect that the applicant's scholarship in medical school work ranks 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, p. 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 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>$123.00</td>
</tr>
<tr>
<td>Building fee, per term</td>
<td>$8.00</td>
</tr>
<tr>
<td>Incidental fee, per term</td>
<td>$10.00</td>
</tr>
<tr>
<td>Nonresident fee, per term (in addition to fees for resident students)</td>
<td>$201.00</td>
</tr>
<tr>
<td><strong>Graduate Fees</strong></td>
<td></td>
</tr>
<tr>
<td>For graduate students registered for 7 or more term hours of work per term:</td>
<td></td>
</tr>
<tr>
<td>Tuition</td>
<td>$10.00</td>
</tr>
<tr>
<td>Laboratory and course fee</td>
<td>$46.00</td>
</tr>
<tr>
<td>Building fee, per term</td>
<td>$8.00</td>
</tr>
<tr>
<td>Incidental fee, per term</td>
<td>$10.00</td>
</tr>
<tr>
<td>For graduate students registered for 6 term hours of work or less:</td>
<td>$74.00</td>
</tr>
<tr>
<td>For graduate students employed as graduate or research assistants or fellows, per term:</td>
<td></td>
</tr>
<tr>
<td>Building fee, per term</td>
<td>$8.00</td>
</tr>
<tr>
<td>Incidental fee, per term</td>
<td>$10.00</td>
</tr>
<tr>
<td><strong>Special Fees</strong></td>
<td></td>
</tr>
<tr>
<td>Registration and laboratory fee for special students registered for 6 term hours of work or less:</td>
<td>$17.00</td>
</tr>
<tr>
<td>Auditor's fee for lectures, per term hour</td>
<td>$5.50</td>
</tr>
<tr>
<td>Transcript fee</td>
<td>$1.00</td>
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<tr>
<td>Evaluation fee</td>
<td>$5.00</td>
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</table>

**Deposits**

<table>
<thead>
<tr>
<th>Item</th>
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</thead>
<tbody>
<tr>
<td>Deposit to reserve place in entering class (applied on tuition)</td>
<td>$25.00</td>
</tr>
<tr>
<td>Breakage deposit, per year—first and second years</td>
<td>$15.00</td>
</tr>
<tr>
<td>Breakage deposit, per year—graduate students</td>
<td>$5.00</td>
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**Estimate of Yearly Expenses**

<table>
<thead>
<tr>
<th>Item</th>
<th>Amount</th>
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<tbody>
<tr>
<td>Tuition and fees, full-time resident students</td>
<td>$570.00</td>
</tr>
<tr>
<td>Tuition and fees, full-time nonresident students</td>
<td>$843.00</td>
</tr>
<tr>
<td>Breakage deposit</td>
<td>$12.00</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>

**Fee Refunds**

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

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

**Regulations Governing Nonresident Fee**

The Oregon State Board of Higher Education has ruled that any person 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:

(a) 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,
(b) a student attending summer session,
(c) a student paying part-time fees,
(d) a student whose parent is a regular employee of the Federal government stationed in Oregon,
(e) a student who has been a resident of Hawaii or Alaska for two years immediately preceding admission to the Medical School,
(f) 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 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 term for which resident classification is sought, and must be a bona-fide residence which the student has an intention of changing when the school period has expired. Proved 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 records show his or her 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, his Oregon domicile 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. The Medical School maintains contractual arrangements with the Veterans Administration covering practically all courses of study offered by the institution.

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 repay 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 course must be finished satisfactorily within one year. Failure in a course requires repetition of the course. In most courses the student will be given frequent written and practical tests, marked with percentage grades. The student may be given these percentage grades by his instructors, but final grades are issued only by the Registrar's Office. Final grades are given for each term's work, but are issued only at the end of the school year.

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

Promotion. In order to be promoted unconditionally from the first to the second year and from the second to the third year in Medical School, the student must receive a passing grade in all subjects and a weighted grade average of 4.00 or better (less than 4.00) determined from grades received and number of credit hours. For promotion from the third to the fourth year, students must satisfactorily complete all subjects. The status of students failing to meet these requirements is determined by the promotion boards.

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

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

Elective Courses. Elective courses are offered in both clinical and basic science departments. Registration for elective courses must be arranged with the Registrar during the first week of the term in which the course is given.

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

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

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

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

Licensure. Admission to the practice of medicine in any state is conditioned upon the requirements of a state board of medical examiners. Admission to practice in the state of Oregon is dependent upon the candidate's having an M.D. degree, completing a one-year straight or rotating internship, and passing the basic science and licensing examinations. For candidates who are already licensed to practice in another state, the licensing examination may be waived by reciprocity with that state, if such a reciprocal agreement is in force. In some instances completion of the basic science requirements may be arranged by reciprocity also.
Further information about licensure requirements may be obtained from the Oregon State Board of Medical Examiners, 609 Failing Building, Portland.

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

Curriculum in Medicine

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

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

The prescribed and recommended subjects for the three premedical years are described under ADMISSION AND REQUIREMENTS. In the first, second, third, and fourth years at the Medical School there are 5,436 class hours of required work. Descriptions of courses are to be found under the several departmental headings.

Prescribed Work

<table>
<thead>
<tr>
<th>First Year</th>
<th>Aggregate class hours</th>
<th>Term hours</th>
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<tbody>
<tr>
<td>An 411, 412, 413...Gross Anatomy</td>
<td>288</td>
<td>372</td>
</tr>
<tr>
<td>An 414...Embryology</td>
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<td>72</td>
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<tr>
<td>An 415...Histology</td>
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<tr>
<td>An 511...Neurology</td>
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<td>72</td>
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<tr>
<td>BCh 411, 412...Biochemistry</td>
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<tr>
<td>Phy 411...Human Physiology</td>
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<td>108</td>
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<tr>
<td>Med Ps 411, 412...Intro. to Medical Psychology</td>
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<tr>
<td>PH 411...Statistical Methods</td>
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<tbody>
<tr>
<td>Bac 611, 414...Med. Microbiology &amp; Immunology</td>
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<tr>
<td>CP 511...Intro. to Clinical Pathology</td>
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<td>Pth 511, 512...General Pathology</td>
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<tr>
<td>Pth 514...Gyn. and Obst. Pathology</td>
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<tr>
<td>Pne 511, 512...Pathology</td>
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<td>Phy 512...Human Physiology</td>
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<td>Med 612, 615, 614...Physical Diagnosis</td>
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<td>Ps 511, 512...Intro. to Clinical Pathology</td>
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<td>PH 512, 513...Clinical Pathology</td>
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<td>Sur 610, 611...Introduction to Surgery</td>
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<td>Sur 612...Healing Processes</td>
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<td>498</td>
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<table>
<thead>
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<tbody>
<tr>
<td>CP 650...Clinical Pathology</td>
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<td>Pth 650, 651, 652...Clinical Pathology Conference</td>
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<td>Pth 653...Forensic Medicine</td>
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<td>Pth 655...Surgical Pathology</td>
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<td>Ped 615, 616, 617...Diseases of Infancy &amp; Childhood</td>
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<td>Pth 615, 616...Clinical Pathology</td>
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<td>Med 615, 616, 617...Lectures in Internal Medicine</td>
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<td>Med 630...Clinical Clerkship</td>
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<table>
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<tr>
<td>Med 670...Gastroenterology Outpatient Clinic</td>
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<tr>
<td>Med 671...Gastroenterology Outpatient Clinic</td>
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<tr>
<td>Med 672...Endocrinology Outpatient Clinic</td>
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</tr>
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<td>Med 673...Endocrine Outpatient Clinic</td>
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</tr>
<tr>
<td>Med 674...Cardiovascular-renal Outpatient Clinic</td>
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</tr>
<tr>
<td>Med 675...Chest Disease Outpatient Clinic</td>
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<tr>
<td>Med 676...Geriatrics Outpatient Clinic</td>
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<td>Med 677...Hematology Outpatient Clinic</td>
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<tr>
<td>Med 678...Th. Outpatient Clinic and Clerkship</td>
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<td>Med 679...Neurology Outpatient Clinic</td>
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<td>DM 650...Dent. Facial Growth &amp; Oral Path.</td>
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<tr>
<td>Term</td>
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<td>------------</td>
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<tr>
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<td>Clinic</td>
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<tr>
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<tr>
<td>Fourth year</td>
<td>132</td>
<td>36</td>
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<tr>
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Prescribed Work by Departments

### Preclinical

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<thead>
<tr>
<th>Department</th>
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<tbody>
<tr>
<td>Anatomy</td>
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<tr>
<td>Bacteriology</td>
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<tr>
<td>Biochemistry</td>
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</tr>
<tr>
<td>Clinical pathology</td>
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<tr>
<td>Pathology</td>
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<td>Public health</td>
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<tr>
<td>Total, preclinical</td>
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</table>

### Clinical

<table>
<thead>
<tr>
<th>Department</th>
<th>Aggregate class hours</th>
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<tbody>
<tr>
<td>Psychiatry</td>
<td>228</td>
</tr>
<tr>
<td>Radiology</td>
<td>36</td>
</tr>
<tr>
<td>Surgery</td>
<td>558</td>
</tr>
<tr>
<td>Orthopedic surgery</td>
<td>120</td>
</tr>
<tr>
<td>Urology</td>
<td>96</td>
</tr>
<tr>
<td>Anesthesiology</td>
<td>54</td>
</tr>
<tr>
<td>Neurosurgery</td>
<td>24</td>
</tr>
<tr>
<td>Ophthalmology</td>
<td>48</td>
</tr>
<tr>
<td>Otolaryngology</td>
<td>60</td>
</tr>
<tr>
<td>Obstetrics</td>
<td>264</td>
</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>
<td>Total, prescribed work</td>
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Recapitulation

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>Lecture</td>
<td>Laboratory</td>
</tr>
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<td>First year</td>
<td>384</td>
</tr>
<tr>
<td>Second year</td>
<td>504</td>
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<tr>
<td>Third year</td>
<td>498</td>
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<tr>
<td>Fourth year</td>
<td>132</td>
</tr>
<tr>
<td>Total</td>
<td>1,518</td>
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</table>

Academic Regulations

<table>
<thead>
<tr>
<th>Department</th>
<th>Aggregate class hours</th>
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</thead>
<tbody>
<tr>
<td>Psychiatry</td>
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<tr>
<td>Obstetrics</td>
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<td>Gynecology</td>
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</tr>
<tr>
<td>Pediatrics</td>
<td>420</td>
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<tr>
<td>Total, preclinical</td>
<td>2,076</td>
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<tr>
<td>Total, prescribed work</td>
<td>5,436</td>
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</tbody>
</table>

Curriculum in Medicine

<table>
<thead>
<tr>
<th>Department</th>
<th>Aggregate class hours</th>
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<tbody>
<tr>
<td>Psychiatry</td>
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<td>Otolaryngology</td>
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<td>Gynecology</td>
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<td>Pediatrics</td>
<td>420</td>
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<td>Total, preclinical</td>
<td>2,076</td>
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<tr>
<td>Total, prescribed work</td>
<td>5,436</td>
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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 graduate adviser and department head concerned.

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

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

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

Basic Science Departments

Anatomy

ANTHONY A. PEARSON, Chairman of Department

Professors
ROBERT L. BACON
WILLIAM A. STOTLER
DAVID L. HAUGEN

Associate Professors
ANTHONY A. PEARSON
ARCHIE R. TUNTURI

Assistant Professor
DAVID L. GUNBERG

Research Assistants
ANNE CIPOLLA
GUNNAR E. CHRISTIANSEN
DAVID L. HAUGEN

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 dissected bodies 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, 3 hours a week; laboratory, 9 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 spring.
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. GOINES

Instructor
ERNEST A. MEYER

Research Assistant
GORDON H. DAVIS

Student Assistant
R. BRADLEY SACK

Bacteriology

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 spring.
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

CLINICAL PATHOLOGY

Biochemistry

EDWARD S. WEST, Chairman of Department

Professors

NIGEL A. PICKERING

MARTHA L. HAMILTON

Instructors

Clinical Instructor

DAVID S. TAKALO

Residents

JAMES E. HAINES

LAWRENCE R. HEISELT

RAYMOND D. GRONDAHL, Chairman of Department

Professor

RAYMOND D. GRONDAHL

Associate Professor

TYRA T. HUTCHENS

Associate Clinical Professor

JAMES H. LIUM

Assistant Professor

GORDON R. JOHNSON

GERALD J. LATTIG

MARY E. BAPTIST

(Edward S. West)

Research Assistants

BETTY BAXTER

PHYLLIS A. HOFFMAN

Student Assistants

WALTER C. BERNARDS

J. CLINTON ELWOOD

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; detoxification; the chemistry of blood and respiration; hormones; metabolism; nutrition; the excretions.

Fall: lectures, 4 hours a week; laboratory, 6 hours a week. Winter: lectures, 4 hours a week; laboratory, 9 hours a week. 276 hours.
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**

**Warren C. Hunter**, Chairman of Department

**Professor**

Warren C. Hunter

Clinical Professor

Vinton D. Sneed

**Associate Professors**

Nelson R. Niles

Sheldon A. Jacobson

E. Colton Moxk, Jr.

Jeff Minckler

**Associate Clinical Professors**

E. Colton Moxk, Jr.

Nelson R. Niles

**Instructor in Cytotechnology**

James De Witt Rankin

**Clinical Instructors**

Ernest J. Loski

Joseph E. Noihgren

**Residents**

Margaret E. Berroth

Linda E. Castro

Zoilo R. Viciedo

**Graduate Assistant**

William B. Weissoett

**Student Assistants**

John C. Kelly

Winston E. Maxwell

Richard A. Romaine

**Student Assistants**

Ronald W. Vinyard

**Research Associate**

Sterling M. Sorensen

**Research Assistant**

Nikhant M. Phatir

**Clinical Research Associates**

H. Lenox Dick

Warren S. Welborn

**Pharmacology**

**Norman A. David**, Chairman of Department

**Professor**

Norman A. David

Elton L. McCawley

**Research Associate**

Nikhant M. Phatir

**Clinical Research Associates**

H. Lenox Dick

Warren S. Welborn

**Research Assistant**

Sterling M. Sorensen

**Student Assistants**

Royal C. Aubrey

Wesley R. Jacobs

Charles B. Carter

Albert R. Kearns

Benjamin B. Shepherd

Andrew N. Urbanc

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**Elective Courses**

**First Year**

**Pth 501. Research.** Any term, hours to be arranged.
Open to specially qualified students.

**Pth 502, 503. Advanced Systemic Pathology.** Any term, hours to be arranged.
Study of the detached pathology of one system.

**Pth 504. Advanced Pathological Histology.** Any term, hours to be arranged.
Systematic study of histologic microscopy sections of autopsy tissues. Open to students who have had at least one term's work in pathology.

**Pth 505. Special Pathology of Heart and Circulation.** Spring, hours to be arranged.
Systematic and inclusive study of the pathologic states affecting the circulatory system, illustrated by sections and gross materials.

**Pth 514. Attendance at Autopsies.** Fall or winter, hours to be arranged.
Opportunity offered to students to elect autopsy attendance with instruction. Such students are required to assist and make detailed suggestions. Limited to 20 students.
### DESCRIPTION OF COURSES

#### REQUIRED COURSES

**Second Year**

**Phc 511. Systematic Pharmacology and Prescription Writing.** 5 hours winter.
Lecture material includes anesthetic agents and adjuncts, hypnotics, antihistaminics, ataractics, analgesics, the xanthine drugs, etc. Each group of drugs is considered from the standpoint of chemistry, absorption, fate and excretion, preparations used therapeutically, dosage, untoward and toxic effects and contraindications. Basic prescription writing considered briefly, and examples of useful prescriptions for each group of drugs presented. Laboratory experiments are correlated with the lecture material; general and specific pharmacologic effects in small animals and the dog studied by the student or demonstrated. The hypnotics, ataractics, and opiate analgesics studied by human trial, using average therapeutic doses in selected volunteer students. Lectures, 4 hours a week; laboratory, 3 hours a week. 84 hours. Prerequisite: Phc 511.

**Phc 512. Systematic Pharmacology and Pharmacodynamics.** 5 hours spring.
A continuation of Phc 511, with consideration of the autonomic drugs, antihypertensives, antispasmodics, diuretics, antibiotic and chemotherapeutic agents, cardiac drugs, endocrine drugs, vitamins, and anti-anemia preparations. Human-trial student experiments include studies on autonomic drugs and diuretics. Several mammalian experiments, using the dog and recording various vital reactions, are done by demonstration using the Grass polygraph recorder or by the student groups using standard kymograph technique for the multiple observations. Lectures, 4 hours a week; laboratory, 3 hours a week. 84 hours. Prerequisite: Phc 511.

**ELECTIVE COURSES**

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

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

**Phc 507. Seminar.** 2 hours spring.
Open to third- and fourth-year students. 2 hours a week; 24 hours.

**Phc 514. Toxicological Analysis.** 2 hours spring.
(Second year.) Limited to 16 students. Lectures and quizzes, 1 hour a week; laboratory, 3 hours a week. 48 hours. Prerequisite: Phc 511.

**Physiology**

**John M. Brookhart,** Chairman of Department

**Professor**

**John M. Brookhart**

**Associate Professors**

**William D. Blake**

**Assistant Professors**

**Alfred J. Rampe**

**Benjamin B. Ross**

**Instructor**

**Eugene A. Lentini**

**Clinical Research Associates**

**George M. Austin**

**Monte A. Greer**

**Student Assistants**

**Rolf R. Engel**

**Lynn S. Huband**

**MEDICINE**

#### REQUIRED COURSES

**First Year**

**Phy 411. Human Physiology.** 8 hours spring.
Lectures, laboratory exercises, and conferences devoted to mammalian physiology, with special application to the human. Consideration given to the basic elements of effector control; basic information essential to the understanding of the functions of the respiratory, cardiovascular, and renal systems; discussion of gastrointestinal, liver, and endocrine functions. Lectures, 5 hours a week; laboratory, 9 hours a week. 106 hours.

**Second Year**

**Phy 412. Human Physiology.** 6 hours fall.
Continuation of Phy 412. Special attention given to the functional interrelationships between respiratory, cardiovascular, and renal systems. The general and special senses and the regional physiology of the central nervous systems discussed. Appropriate laboratory exercises and conferences related to lecture material. Lectures, 4 hours a week; laboratory, 6 hours a week. 120 hours.

**ELECTIVE COURSES**

**Phy 501. Research.** Any term, hours to be arranged.
Prerequisite: Phy 411, 412.

**Phy 505. Reading and Conference.** Any term, hours to be arranged.
Prerequisite: Phy 411, 412.

**Phy 507. Seminar.** Any term, hours to be arranged.
Prerequisite: Phy 411, 412.

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

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### Clinical Departments

**Medicine**

**Howard P. Lewis,** Chairman of Department

**Professors**

**David W. E. Baird**

**Hance F. Haney**

**Herbert E. Griswold**

**Clinical Professors**

**Blair Combs**

**Mark L. Mandason**

**Homer P. Rush**

**Associate Professors**

**Jarvis Gould**

**Monte A. Greer**

**John A. Benson, Jr.**

**Associate Clinical Professors**

**Irvin C. Bell**

**Robert S. Dow**

**Carl G. Hailer**

**Assistant Professors**

**James H. Austin**

**Bernard Finkley**

**James T. Spinks**

**Clinical Research Associates**

**George A. Boylston**

**William S. Conkling**

**Earl D. DuBois**

**Medical Professors**

**Morton Goodman**

**John K. Krier**

**Frank Perlmans**

**Edward E. Rosenbaum**

**Assistant Professors**

**Isidore C. Brill**

**Merle W. Moore**

**William H. Sheldon**

**Merle W. Moore**

**Roy H. Swane**

**John E. Tuchy**

**Zolton W. Winters**

**Janice R. Stevens**

**Howard E. Osgood**

**Arthur J. Seaman**

**Joseph B. Trainer**

**Leonard W. Ritzmann**

**John A. Benson, Jr.**

**Carroll C. Riddle**

**Carl K. Riddle**

**Charles P. Wilson**

**Herbert E. Griswold**

**Robert D. Koler**

**Donald M. Pitchard**

**Demetrios A. Rigas**

**Charles P. Wilson**

**John E. Tuchy**

**Zolton W. Winters**

**Janice R. Stevens**

**Howard E. Osgood**

**Arthur J. Seaman**

**Joseph B. Trainer**

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**Arthur J. Seaman**

**Joseph B. Trainer**

**Leonard W. Ritzmann**

**John E. Tuchy**

**Zolton W. Winters**

**Janice R. Stevens**
### Description of Courses

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<td>John A. Benson, Jr.</td>
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**Clinical Associates**

- Daniel M. Bachman
- Robert D. Michel
- Howard E. Allen
- Edmund H. Berger
- Arthur M. Bergman
- Charles W. Coffen
- William Cohen
- Aubrey D. Davis
- J. Edward Field
- Donald E. Forster
- William F. Gailey
- Martin F. Gilmore
- Marvin C. Goldman
- Thomas S. Healy
- Jay C. Hoyt
- William W. Hurst

**Instructors**

- Daniel M. Bachman
- Robert D. Michel

**Residents**

- Michael D. Baird
- William E. Draper, Jr.
- Miles J. Edwards
- Robert D. Goldman

**Allergy**

- Merle W. Moore, Head of Division
  - Associate Clinical Professor
  - Merle W. Moore

**Cardiology**

- Herbert E. Griswold, Head of Division
  - Associate Clinical Professors
  - Frank Perlman

**Endocrinology**

- Monte A. Greer, Head of Division
  - Associate Professor
  - Monte A. Greer

**Gastroenterology**

- John A. Benson, Jr., Head of Division
  - Associate Professor
  - John A. Benson, Jr.
**DESCRIPTION OF COURSES**

### Internal Medicine

**Associate Clinical Professors**
- Frank W. Crowe
- Joyce Davis
- Sheldon A. Walker

**Clinical Professors**
- Thomas S. Saunders
- Farrington Daniels, Jr.

**Assistant Clinical Professors**
- Bruce R. Cuenoweth
- John Clifton Massar

**Clinical Instructors**
- David C. Frisch
- Charles W. Watkins

**Research Assistants**
- Leon F. Ray

**Residents**
- Lester Bergeron

**Classified Personnel**
- Madhukar A. Phatak

**Classified Personnel**
- David H. Bruce
- Dennis D. Davenport

**Dental Medicine**

**Clinical Professor**
- Harold J. Noves

**Clinical Associates**
- Donald G. Reese
- Norman H. Rickles

**Clinical Instructors**
- Charles E. Smith
- Theodore Suhner
- Ronald K. Tall

**Residents**
- Robert C. Rittel
- Brim S. Savara

**Research Assistants**
- Walter W. Schaper
- Robert H. Siddoway

**Internal Medicine**

**REQUIRED COURSES**

**Second Year**

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

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

**Third Year**

**Med 615, 616, 617. Lectures on Internal Medicine.** 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 Veteran’s 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.

**Fourth Year**

**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 term; 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.

Lectures and demonstrations dealing with important industrial health hazards and diseases. 1 hour a week; 12 hours.

Med 658. Medical Economics. 1 hour spring.
Series of lectures concerning the economic, sociological, legal and other problems connected with the practice of medicine. Lectures, 1 hour a week; 12 hours.

Med 670. Medical Outpatient Clinic. 5 hours, one section each term.
Diagnosis and treatment of ambulant medical patients under supervision. 10 hours a week; 120 hours.

Med 671. Gastroenterology Outpatient Clinic. ½ hour, one section each term.
Outpatient Clinic clinical conferences. 2 hours a week for six weeks; 12 hours.

Med 672. Diabetes and Metabolism Outpatient Clinic. ½ hour, one section each term.
Outpatient Clinic clinical conferences. 2 hours a week for six weeks; 12 hours.

Med 673. Endocrinology Outpatient Clinic. ½ hour, one section each term.
Outpatient Clinic clinical conferences. 2 hours a week for six weeks; 12 hours.

Med 674. Cardiovascular-Renal Outpatient Clinic. ½ hour, one section each term.
Outpatient Clinic clinical conferences. 2 hours a week for six weeks; 12 hours.

Med 675. Chest Disease Outpatient Clinic. ½ hour, one section each term.
Outpatient Clinic clinical conferences. 2 hours a week for six weeks; 12 hours.

Med 676. Allergy Outpatient Clinic. ½ hour, one section each term.
Outpatient Clinic clinical conferences. 2 hours a week for six weeks; 12 hours.

Med 677. Hematology Outpatient Clinic. ½ hour, one section each term.
Outpatient Clinic clinical conferences. 2 hours a week for six weeks; 12 hours.

Med 678. Tuberculosis Outpatient Clinic and Clerkship. 1 hour, one section each term.
Case studies, clinical conferences, and X-ray conferences concerning patients in the Tuberculosis Hospital and Tuberculosis Outpatient Clinic. 2 hours a week; 24 hours.

ELECTIVE COURSES

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

Med 505. Reading and Conference. Any term, hours to be arranged.
For third- and fourth-year students. Arrangements may be made with the head of a division of internal medicine.

Med 601. Research. Any term, hours to be arranged.
Students may elect to conduct research in the various divisions of medicine by arrangement with the chief of the division.

Med 605. Reading and Conference: Chest Diseases. Any term, hours to be arranged.

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

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

NEUROLOGY

Med 690. Medical Outpatient Clinic. Any term, hours to be arranged in accordance with the requirements of the regular Outpatient Clinic course.

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

Med 691. Tuberculosis Control Outpatient Clinic for Children. ½ hour, one section each term.

(Fourth year). 2 hours a week for 6 weeks; 12 hours.


(Fourth year.) Examination and discussion of hospitalized patients with endocrine disease in Multnomah Hospital and Medical School Hospital. Limited to 4 students. 2 hours a week for 12 weeks; 24 hours.

Med 693. Rheumatology Outpatient Clinic. 1 hour each term.
Outpatient Clinic. Clinical conferences and demonstrations. Limited to 9 students a term. 2 hours a week; 24 hours.

Med 694. Renal Rounds. 1 hour, one section each term.
Intensive study of selected cases of renal disease in the Multnomah and Medical School Hospitals. Students work in pairs and study assigned patients. Conferences and discussions concerning the diagnosis, treatment, and basic mechanisms of the disorders of these and other similar patients conducted on rounds. Patient study 2 hours a week at any convenient time; rounds 2 hours a week; 48 hours.

Med 695. Fundamental Aspects of Disease. 1 hour winter.
Lectures and discussions presenting concepts of disease that have developed from advances in basic and clinical research; principles upon which contemporary research in medical science is based; discussions of current investigation of major disease processes. 1 hour a week; 12 hours.

Med 696. Special Case Studies in Medicine. Any term, hours to be arranged.
Students may elect to make detailed studies and reports of selected cases in the fields of cardiovascular, pulmonary, endocrinological and metabolic diseases with conference and supervision by the staff.

Students taught cell identification by actual study of slides under supervision. Maximum of 5 students for three weekly sessions. Given four times each term. 1 hour a week for 3 weeks; 3 hours.

Med 698. Case Conference. 1 hour any term.
Analysis of selected case material, utilizing new and selected techniques in the study of pulmonary disease. 2 hours a week; 24 hours.

Neurology

RECOMMENDED COURSE

FOURTH YEAR

Neu 670. Neurology Outpatient Clinic. ½ hour, one section each term.
Outpatient Clinic clinical conferences. 2 hours a week for six weeks; 12 hours.

ELECTIVE COURSES

Neu 691. Neurology Conference. 1 hour any term.

(Fourth year.) Combined conference including neurology, neurosurgery, neuropsychiatry 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 neurological conferences.
DESCRIPTION OF COURSES

**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. 3 hours a week, 36 hours.

**Dental Medicine**

**REQUIRED COURSE**

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, pulpiteis and periapical pathology; differential diagnosis of radiolucencies in the jawbones; diagnosis of common oral conditions.

**Psychiatry**

George Saslow, Chairman of Department

**Professor**

George Saslow

Clinical Professor

Henry H. Dixon

Associate Clinical Professor

Herman A. Dickel

Assistant Professor

John L. Butler

Assistant Clinical Professors

John W. Evans

Kenneth D. Gaver

Siegfried R. Berthelsdorff

Ivor M. Campbell

Irvin B. Hill

Norman M. Janzer

Ruth Jens

Donald D. Denney

Residents

Victor Gregory

John L. Haskins

Gerhard B. Haugen

James G. Shanklin

Clinical Instructors

Donald McKinley

Duncan A. McLaughlan

Carl V. Morrison

C. Russell Parker

Wayne M. Pidgeon

Victor Gregory

Resident

Lena Kenin

Child Psychiatry

Charles Bradley, Head of Division

Associate Professor

Charles Bradley

Assistant Professor of Clinical Psychology

Marvin Greenbaum

Instructor in Psychiatric Social Work

Thelma M. Danilson

Medical Psychology

**REQUIRED COURSES**

**First Year**

Med Ps 411, 412. Introduction to Medical Psychology. 1½ 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 in Psychology. Any term, hours to be arranged.
Prerequisite: Med Ps 411, 412.

Med Ps 505. Reading and Conference. Any term, hours to be arranged.
Prerequisite: Med Ps 411, 412.

Med Ps 507. Seminar. Any term, hours to be arranged.
Prerequisite: Med Ps 411, 412.

Med Ps 508. Child Psychology Seminar. 1 hour fall.
Prerequisite: Med Ps 411, 412.

**Radiology**

Charles T. Dotter, Chairman of Department

**Professor**

Charles T. Dotter

**Clinical Professor**

William Y. Burton

**Associate Professor**

James B. Haworth

**Associate Clinical Professors**

Louis H. Frische

Selma Hyman

**Assistant Professor**

Vincent C. Hink

**Clinical Associates**

Wayne G. Erickson

Milton D. Hyman

J. Rosser Lee

John Wayne Loomis

James R. Raines

**Clinical Instructors**

Clifford V. Allen

James B. Haworth

Arthur F. Hunter

Sherman E. Rees

Ivan M. Woolley

Norman L. Bline

Irving J. Horowitz

C. Todd Jessell

*Harry* Newman

Gregory B. Nichols

Arthur L. Overgaard

Fred C. Shipps

Hilda E. Drum

Dorle C. Smith

Research Associate

Joseph W. Griffith

**Residents**

Webner G. Berghoff

Esther J. Fuentes

John L. Howison

Robert S. Miller

Jack R. Rabenberg

J. Rosser Lee

John F. Siegrist

Kurt R. Straube

**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.

*On leave for military service.
## Description of Courses

### Surgery

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<td>Thomas J. Boyden</td>
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<td>Robert D. Buckmaster</td>
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<td>Paul Campbell</td>
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<td>Winfred H. Clarke</td>
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<td>Howard L. Cherry</td>
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<td>Thomas A. Edwards</td>
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<td>Charles A. Fagan</td>
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### Urology

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### Anesthesiology

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### Research Fellow

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DESCRIPTION OF COURSES

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.

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. 8½ hours, one section each term. Orientation lectures, case discussions, 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 rotation, to the surgical services of Multnomah Hospital, the Medical School Hospital, and the Veterans Hospital for one term. 210 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 treatment, resuscitation and anesthesia, the lesions of war in wound treatment, craniocerebral injury, maxillo-facial trauma, thoraco-abdominal injuries, vascular trauma, urologic injuries, the injured hand, the treatment of burns. 1 hour a week; 12 hours.
DESCRIPTION OF COURSES

FOURTH YEAR

Orth Sur 670. Orthopedic Outpatient Clinic. 1½ hours, one section each term.
Active student participation in all phases of the clinical management of ambulant patients in the orthopedic outpatient clinic. 3 hours a week; 36 hours.

ELECTIVE COURSES

Orth Sur 601. Research. Any term, hours to be arranged.
For third- or fourth-year students.

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

Orth Sur 691. Orthopedic Ward Walk. 1 hour, one section each term.
General ward rounds in the Shriner's Hospital for Crippled Children, with discussion of the cases and methods of orthopedic treatment in deformities of children. 2 hours a week; 24 hours.

Urology

REQUIRED COURSES

THIRD YEAR

Ur 615. Diseases Affecting the Genito-Urinary Tract. 1 hour spring.
A systematic presentation by means of lectures and patient demonstration of the diagnosis and treatment of urologic conditions. 1 hour a week; 12 hours.

Ur 630. Urology Clerkship-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 the patient clerkship. 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. ½ hours, one section each term.
Active student participation in all phases of the clinical management of ambulant patients in the urology outpatient clinic. 3 hours a week; 36 hours.

ELECTIVE COURSES

Ur 601. Research. Any term, hours to be arranged.
For third- or fourth-year students.

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

Anesthesiology

REQUIRED COURSES

THIRD YEAR

Anes 615, 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.

OPHTHALMOLOGY

KENNETH C. SWAN, Chairman of Department

Professor

KENNETH C. SWAN

Clinical Professors

AUGUSTUS B. DYKMAN

E. MECKE TAYLOR

Associate Professor

LEONARD CHRISTENSEN

Assistant Clinical Professors

ROBERT V. HILL

JOHN P. KEIZER

ROBERT W. ZELLES

THOMAS E. TALBOT

Roberta P. Burns

Samuel T. Jones

Clinical Associates

ROBERT E. FISCHER

GEORGE P. LYMANN

JOSEPH I. MORELAND

ALFRED J. KEIFT

EDWARD N. McLEAN

HENRY E. SCHLEGEL

PETER P. ROWELL

Clinical Instructors

ROBERT R. BEDROSSIAN

RICHARD E. MARKLEY

THOMAS E. TALBOT

RICHARD E. MARKLEY

FOURTH YEAR

Anes 630. Regional Anesthesia. 1 hour, one section each term.
Lectures concerned with the diagnostic, therapeutic, and anesthetic applications of nerve blocks. Clinical demonstrations of nerve-block procedures, and demonstrations using anatomic dissections. 1½ hours a week; 18 hours.

FOURTH YEAR

Anes 670. Anesthesia Clerkship. ½ hour, one section each term.
A continuation course. Observation of anesthetic procedures in the operating room, and directed supervision in assisting with the administration of the various types of anesthetic agents. 4 hours a day for three days; 12 hours.

ELECTIVE COURSE

Anes 691. Research. Any term, hours to be arranged.
For third- or fourth-year students.

Neurosurgery

REQUIRED COURSE

THIRD YEAR

Neu Sur 630. Neurosurgical Seminar. 1 hour, one section each term.
Designed to acquaint the student with the major problems of neurological surgery. Emphasis is placed on the manner of diagnosis and the types of treatment available to patients with peripheral nerve, spinal, and intracranial lesions. Lectures, case presentations, and group discussions. 2 hours a week; 24 hours.

ELECTIVE COURSES

Neu Sur 601. Research. Any term, hours to be arranged.
Clinical and basic research projects in neurosurgery. It is expected that students wishing to undertake such projects will be primarily interested in careers in neurology and neurological surgery.

Neu Sur 640. Differential and Regional Neurosurgical Diagnosis and Therapeutics. ½ hour, winter or spring.
Clinical concepts coordinated with basic research ideas; patient presentations from the clinical side used to illustrate brain and spinal-cord pathology and physiology. Lectures and demonstrations. 1 hour a week; 12 hours.

Ophthalmology
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.

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

Obstetrics and Gynecology
RALPH C. BENSON, Chairman of Department
Professor
RALPH C. BENSON
Clinical Professor
HOWARD C. STEARNS
Associate Professors
RAPHAEL B. DURFEE HOWARD J. TATUM
Assistant Professors
OTTO R. EMIG FRANCK SHUBECK

Obstetrics
JULES V. NAPIER
ROBERT R. BENSON
WILLIAM R. FRAZIER
REMY W. FULSHER
ROBERT B. GREENE
GEORGE S. HARA
WILLIAM L. HARTMANN

Assistant Clinical Professors
CLIFFORD KUHN DONALD C. METTLER
BRUCE L. TITUS
DESCRIPTION OF COURSES

REQUIRED COURSES

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.

ELECTIVE COURSES

Obs 610. **Research.** Any term, hours to be arranged.
Obs 616. **Lecture and Demonstration Course in Obstetrics.** 1 hour winter.
Mechanism of normal and abnormal presentation; manikin demonstration; care of the newborn child. Obstetrical technique; forceps version, puerperal fever, cesarian section, and embryotomy. 1 hour a week; 12 hours.

Obs 630. **Clinical Clerkship.** 3 hours, one section each term.
Patient study, ward rounds, and conferences in obstetrics, Multnomah and Medical School Hospitals. 11 hours a week for six weeks; 66 hours.

Obs 631. **Manikin.** ½ hour, one section each term.
Lectures and demonstrations with the manikin on the mechanism of normal and abnormal labor and delivery, including pelvic measurement, pelvic architecture, presentation and position of the fetus, complications of labor and delivery. 1 hour a week; 12 hours.

Obs 632. **Inpatient Service and Attendance at Deliveries.** ½ hour any term.
Each student required to be in attendance at and observe twelve deliveries in Multnomah Hospital. Prerequisite: Obs 615. 12 hours.

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.

REQUIRED COURSES

**Gynecology**

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.

ELECTIVE COURSES

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.

PEDIATRICS

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

Ped 610. **Research.** Any term, hours to be arranged.
Ped 670. **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**

**Donald E. Pickering**

Clinical Professor

**Charles Bradley**

**Joseph B. Bildeback**

Associate Professors

**George W. Dana**

**Richard L. Sleeter**

**Morris L. Bridgeman**

**Alvin D. West**

**Scott Goodnight**

Assistant Professors

**William M. Clark, Jr.**

**James E. Odell**

**Assistant Clinical Professors**

**C. G. Ashley**

**John A. Larabee**

**Edgar M. Recto**

**John H. Benward**

**John R. Heideman**

**Paul E. Shick, Jr.**

**Quentin W. Cochran**

**Walter A. Gross**

**Lendon H. Smith**

**Walter A. Gross**

**John A. Larabee**

**James P. Whittmore**

**Instructors**

**Delbert A. Fisher**

**Robert J. Merchan**

**William W. Ornduff**

**Katharine S. French**

**Victor D. Menashe**

**Robert C. Schaaf**

**Anthropology**

**Robert L. Tips**

**Rudolf C. H. Engel**

**Clinical Instructors**

**Daniel K. Billmeyer**

**Peter H. Hurst**

**William M. Smook**

**John W. Hinson**

**Donald F. Kelly**

**John L. Steynson**

**John R. Hinchman**

**David W. MacFarlane**

**Clemens W. Van Rooy**

**Joseph T. Hart**

**George A. Nardi**

**Charles Varga**

**Edward L. Hendricks**

**George J. Schunk**

**George W. Walliker**

**Residents**

**John R. Berry**

**Frederick J. Kittler**

**David L. Sessions**

**James E. Elliott**

**Louis R. McKern**

**Max J. Stephens**

REQUIRED COURSES

**PEDiatrics**

THIRD YEAR

Ped 615, 616, 617. **Diseases of Infancy and Childhood.** 1 hour each term.
A survey of pediatrics from a correlative standpoint. Lectures and demonstrations. 1 hour a week; 36 hours.
Ped 630. **Clerkship.** 7½ hours, one section each term.
Review of pediatric problems in an inpatient setting by patient responsibility, individual and group discussion. 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).

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**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.

**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 required before admission to candidacy for the Doctor of Philosophy degree. 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 in which grades of I, II, III, or IV are earned. A minimum yearly weighted grade average of 3.00 must be maintained. (See page 59, Promotion.)

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

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

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

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

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

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

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

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

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 80 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 Hospitals of the American Medical Association and of the respective American boards. Residencies are offered in anesthesiology, dermatology, hematology, internal medicine, neurological surgery, surgery, 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 $10.00 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.

**Nursing Education**

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

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

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

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

**Associate Clinical Professor**
JAMES H. LOW

**Assistant Professor**
GERALD J. LATTIG

**Assistant Clinical Professors**
MARLOWE DITTEBRANDT
HOME H. HARRIS
EUGENE W. LANDRETH

**Instructors**
MARY ELIZABETH BAPTIST

MARTHA L. HAMILTON

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

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

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

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

<table>
<thead>
<tr>
<th>Fee</th>
<th>Per term</th>
<th>Per year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuition</td>
<td>$20.00</td>
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<tr>
<td>Laboratory and course fee</td>
<td>42.00</td>
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<tr>
<td>Building fee</td>
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<td>Incidental fee</td>
<td>10.00</td>
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<tr>
<td>Total for Oregon residents</td>
<td>$80.00</td>
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<tr>
<td>Total for nonresidents, who pay an additional $55.00 per term</td>
<td>$135.00</td>
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</tr>
</tbody>
</table>

* Beginning January 1, 1962, the minimum requirement will be three years of college work in an approved college or university.

**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 methods used in histopathological technique. 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, gasometric analysis, and quantitative chemistry in the determination of the substances in blood and body fluids. Fall: lectures, 3 hours a week; laboratory, 6 hours a week. 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 dyscrasias, bone marrow, and blood studies relative to the anemias, leukemias, and other pathological conditions of 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.

Enrollment and Degrees

Degrees Conferred June 12, 1959

Doctor of Medicine

<table>
<thead>
<tr>
<th>GRADUATE</th>
<th>INTERNSHIP</th>
</tr>
</thead>
<tbody>
<tr>
<td>David Gordon Bragg</td>
<td>Philadelphia General Hospital, Philadelphia, Penn.</td>
</tr>
<tr>
<td>Robert McDannell Brown</td>
<td>District of Columbia General Hospital, Washington, D.C.</td>
</tr>
<tr>
<td>Richard Duane Brust</td>
<td>Orange County General Hospital, Orange, Calif.</td>
</tr>
<tr>
<td>John Arthur Buehler</td>
<td>Good Samaritan Hospital, Portland, Ore.</td>
</tr>
<tr>
<td>Peggy Jean Copples</td>
<td>Minneapolis General Hospital, Minneapolis, Minn.</td>
</tr>
<tr>
<td>Nolan Ralph Gordon</td>
<td>San Bernardino County Charity Hospital, San Bernardino, Calif.</td>
</tr>
<tr>
<td>Winston Irvin Cosine</td>
<td>U.S. Public Health Service Hospital, Staten Island, N.Y.</td>
</tr>
<tr>
<td>Betty Jo Davenport</td>
<td>Methodist Hospital, Brooklyn, N.Y.</td>
</tr>
<tr>
<td>Floyd Douglas Day</td>
<td>Good Samaritan Hospital, Portland, Ore.</td>
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<tr>
<td>Wayne Roswell DeMott</td>
<td>Madigan Army Hospital, Tacoma, Wash.</td>
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<tr>
<td>H. Loring Dixon</td>
<td>Southern Pacific General Hospital, San Francisco, Calif.</td>
</tr>
<tr>
<td>Robert Preston Doughton</td>
<td>University of Oregon Medical School Hospitals and Clinics, Portland, Ore.</td>
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<tr>
<td>Richard Franklin Drake</td>
<td>Ancker Hospital, St. Paul, Minn.</td>
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<tr>
<td>William James Dunlap</td>
<td>Good Samaritan Hospital, Portland, Ore.</td>
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<tr>
<td>Edward Charles Ehret</td>
<td>Orange County General Hospital, Orange, Calif.</td>
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<tr>
<td>Donald Gene Edwards</td>
<td>University of Oregon Medical School Hospitals and Clinics, Portland, Ore.</td>
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<tr>
<td>John Harold Ellison</td>
<td>Tripler Army Hospital, Honolulu, T.H.</td>
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<td>John Canisius English</td>
<td>Santa Clara County Hospital, San Jose, Calif.</td>
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<tr>
<td>Ricardo Rudolfo Foggis</td>
<td>Gorgas Hospital, Balboa Heights, C.Z.</td>
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<td>Jerry Donald Giess</td>
<td>University of Oregon Medical School Hospitals and Clinics, Portland, Ore.</td>
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<td>Kenneth Merle Giles</td>
<td>Letterman Army Hospital, San Francisco, Calif.</td>
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<td>Giles Sheldon Green</td>
<td>St. Mary's Hospital, San Francisco, Calif.</td>
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<td>Donna Gale Griffith</td>
<td>Tripler Army Hospital, Honolulu, T.H.</td>
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<td>Kenneth Burton Haverstick</td>
<td>Good Samaritan Hospital, Portland, Ore.</td>
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<td>Lawrence Henry Hansen</td>
<td>University of Oregon Medical School Hospitals and Clinics, Portland, Ore.</td>
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<td>Toshi Haruiku</td>
<td>Good Samaritan Hospital, Portland, Ore.</td>
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<td>William Scott Haskinson</td>
<td>Gorgas Hospital, Balboa Heights, C.Z.</td>
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<td>Darrell Herbert Hunsaker</td>
<td>U.S. Naval Hospital, Camp Pendleton, Calif.</td>
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<tr>
<td>James Donald Imbie</td>
<td>U.S. Naval Hospital, Bremerton, Wash.</td>
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<tr>
<td>Harley Duncan Kelley</td>
<td>Los Angeles County Hospital, Los Angeles, Calif.</td>
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<tr>
<td>Walter Franklin Kriegel, Jr.</td>
<td>Philadelphia General Hospital, Philadelphia, Penn.</td>
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<tr>
<td>Robert Chester Luther</td>
<td>Ancker Hospital, St. Paul, Minn.</td>
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<tr>
<td>Richard John McCarty</td>
<td>Valley Forge Army Hospital, Phoenixville, Penn.</td>
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<td>David Schwab McDaniel</td>
<td>Good Samaritan Hospital, Portland, Ore.</td>
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<td>Walter Edwin Medskil</td>
<td>University of Oregon Medical School Hospitals and Clinics, Portland, Ore.</td>
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<td>Robert Allen Mendelson</td>
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<tr>
<td>Tate Muldown Minckler</td>
<td>Jackson Memorial Hospital, Miami, Fla.</td>
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<tr>
<td>Winston Applewhite Mitchell</td>
<td>University of Oregon Medical School Hospitals and Clinics, Portland, Ore.</td>
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<tr>
<td>Wayne Lee Murray</td>
<td>U.S. Naval Hospital, Bremerton, Wash.</td>
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<td>Dean Elton Neal</td>
<td>Los Angeles County Hospital, Los Angeles, Calif.</td>
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<tr>
<td>Marilyn Adelia Nelson</td>
<td>Philadelphia General Hospital, Philadelphia, Penn.</td>
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<tr>
<td>James Richard Orenduff</td>
<td>St. Vincent's Hospital, Portland, Ore.</td>
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<tr>
<td>Urline Scott Page</td>
<td>Philadelphia General Hospital, Philadelphia, Penn.</td>
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<tr>
<td>Willis Edward Peacock</td>
<td>Madigan Army Hospital, Tacoma, Wash.</td>
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<tr>
<td>James Lawrence Petroskie</td>
<td>Boston City Hospital, Boston, Mass.</td>
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<tr>
<td>John Nicol Roehr</td>
<td>Virginia Mason Hospital, Seattle, Wash.</td>
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<tr>
<td>George Jiro Sakurai</td>
<td>Good Samaritan Hospital, Portland, Ore.</td>
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<tr>
<td>Richard Dennis Saloam</td>
<td>Emanuel Hospital, Portland, Ore.</td>
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<tr>
<td>Richard Douglas Schultz</td>
<td>Gorgas Hospital, Balboa Heights, C.Z.</td>
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<tr>
<td>Delbert Edward Scott</td>
<td>Kansas City General Hospitals, Kansas City, Mo.</td>
</tr>
<tr>
<td>David Alan Sears</td>
<td>Strong Memorial-Rochester Municipal Hospital, Rochester, N.Y.</td>
</tr>
</tbody>
</table>
Graduate

Glen Stuart Shipley ..........Glockner-Pennrose Hospital, Colorado Springs, Colo.
Ramon Gary Shen ............San Bernardino County Charity Hospital, San Bernardino, Calif.
Ronald Peter Smith ..........Harbor General Hospital, Torrance, Calif.
Russell Thomas Stodd ........Los Angeles County Hospital, Los Angeles, Calif.
Roy Douglas Strand ..........University of Illinois Research and Educational Hospital, Chicago, Ill.
Robert W. Strausford ........University of Oregon Medical School

Internship

Robert A. Beatty
Samuel T. Bennett
Carole A. Bonnet
Richard P. Bunch
Douglas M. Burns
Jean E. Carter
George H. Caspar
Richard H. Christensen
Marilyn A. Christensen
Brooke C. Chung
F. Lawrence Clare
Willis L. Cote
Mary Jane D. Dubinski
Lloyd O. Eckhardt
Raymond E. Endicott
Thomas E. Farnham
Bill B. Ferguson
Robert F. Flesner
Lee A. Gleason
Raymond F. Graup, Jr.
Keith F. Harecourt
Thomas J. Harrison
James T. Hartford

Doctor of Philosophy

James Otis Allen
Marvin Carroll Hines

Master of Science

Arthur Lloyd Eckhardt
Kenneth Merle Giles
Alicia Elvira Marco
James McNear
Edward Takasaki Tokuoka

Enrollment 1958-59

First-Year Class

Curtis D. Adams
James W. Aspe
Dee D. Atkinson
Herbert C. Baker
Roger M. Handy
Larry L. Basting
Richard W. Beigle
C. Sahin Bekmaz
John D. Bischof
Dudley M. Bright
Howard A. Buesch
Tong C. Cheah
Wesley A. Cook, Jr.
Lyle E. Crecelius
James C. Dineen
Edwin D. Doughty
Richard W. Fieber
R. Clifford Flanders
John Robaxa
Arthur R. Fyr, Jr.
Thomas A. Gage
Robert F. Gast
John M. Gevartz
James H. Gilbaugh, Jr.
Richard T. Gourley
James A. Haslund
Arthur L. Haug

Medical Students

Enrollment and Degrees

Robert A. Beatty
Samuel T. Bennett
Carole A. Bonnet
Richard P. Bunch
Douglas M. Burns
Jean E. Carter
George H. Caspar
Richard H. Christensen
Marilyn A. Christensen
Brooke C. Chung
F. Lawrence Clare
Willis L. Cote
Mary Jane D. Dubinski
Lloyd O. Eckhardt
Raymond E. Endicott
Thomas E. Farnham
Bill B. Ferguson
Robert F. Flesner
Lee A. Gleason
Raymond F. Graup, Jr.
Keith F. Harecourt
Thomas J. Harrison
James T. Hartford

Second-Year Class

David L. Haugen
Donald H. Heishecker
Leonard L. Heston
Frederick C. Hoesly
Howard E. Johnson
Kit G. Johnson
Richard H. Johnson
Bruce B. Johnston
Paul W. Jones
Irwin E. Josenys
Vuih Kanchanapoom
John C. Kelly
Harry Knudston
Delbert M. Kole
James C. Kraus
Richard P. Lewis
Merritt L. Linn
Dale L. Lowncher
Joseph C. Macdonald
Malcolm M. Marquis
Eugene A. Maxwell
William E. Maxwell
Hidey Minakawa
Peter M. Nakamura
James S. Noble
Herald S. Nokes

Third-Year Class

Fredrick T. Traunfelder
P. Rocco Garofalo
Robert H. Gustafson
Archie Y. Hamilton
Chris L. Harrigteld
J. Ivan Hewitz
Keith D. Holmes
Wesley R. Jacobs
Joanne Jene
Robert H. Jensen
David W. Johnson
Albert R. Kearns
Darwin L. Leifeld
John L. Linn
Robert C. Loomis
Larry E. Lundberg
Richard B. Lyons
Robert A. McFarlane
Sam L. Meyer
Michael J. Miller
Rodger M. O'Hara
Richard P. Paulin
Clarence D. Peters

Fourth-Year Class

Jerry D. Gody
Kenneth M. Giles
G. Sheldon Green
Donna G. Griffith
Kenneth B. Haseverick
Lawrence H. Hansen
Toshihisa Haushke
William L. Hoskinson
Darrell H. Hunsaker
Lynn S. Husband
James D. Imrie
Harley D. Kelley
Walter F. Kreuzel
Robert C. Luther
Richard J. McCarty
David S. McDaniel
Walter E. Melethof
Robert A. Mentor
Tate M. Minkley
Winston A. Mitchell
Bruce A. Peters
Donald W. Pittman
James C. Paton
Richard L. Redfern
Peter H. R. Roberts
Thomas L. W. Roe
Edward M. Schneider
Alan F. Scott
James M. Scott
Norman F. Seidenverg
Michael R. Sisson
Perry R. Sloop, Jr.
Esther A. Strom
William W. Tarnovsky
Louis A. Taucher
Duane T. Thompson
Thomas L. Thorton
William M. Veatch
Velton V. Viles
Ronald W. Violet
Wayne L. Walling
Hamoi L. Wehbe
David L. Wishart
Rose L. Wong
Graduate Students

<table>
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<tr>
<th>Name</th>
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<tbody>
<tr>
<td>James O. Alben</td>
<td>Marvin C. Hines</td>
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<tr>
<td>John C. Elwood</td>
<td>Nicholas E. Kontaxis</td>
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<tr>
<td>Jack G. Giesy</td>
<td>James McNeese</td>
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<tr>
<td>Catherine L. Gruber</td>
<td>Alicia E. Marco</td>
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<td></td>
<td>Madhukar A. Phatak</td>
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Special Students and Auditors

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<tr>
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<tr>
<td>Robert H. Anderson</td>
<td>Joan P. Payne</td>
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<td>John Bellinger</td>
<td>William E. Walsh, III</td>
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Medical Technology Students

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<tr>
<th>Name</th>
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<tbody>
<tr>
<td>Sylvia E. Burk</td>
<td>Herman E. Mellish</td>
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<tr>
<td>Joan F. Butler</td>
<td>Donna M. Morse</td>
</tr>
<tr>
<td>Barbara A. Cone</td>
<td>Junice R. Rochik</td>
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<tr>
<td>Agnes A. Coughlin</td>
<td>Barbara J. Sanders</td>
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<td>Darrel E. Courser</td>
<td>Leslie R. Seder</td>
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<tr>
<td>Judith A. Elijah</td>
<td>Jeannette L. Siddall</td>
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<td>Sherman B. Everett</td>
<td>Karlyn M. Bagel</td>
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<td>Dianne W. Gardner</td>
<td>Mary Ann Thompson</td>
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<tr>
<td>Kathryn F. Hardwick</td>
<td>Evv L. Tucker</td>
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<tr>
<td>Jerriann Honey</td>
<td>Lyne D. Vincentelli</td>
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<tr>
<td>Shirley Y. Jewett</td>
<td>Kay O. Wadsworth</td>
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<tr>
<td>Evi Kink</td>
<td>Mary H. Wilmot</td>
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Summary of Enrollment, 1958-59

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<th></th>
<th>Men</th>
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<td>First year</td>
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<td>Fourth year</td>
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<td>Total regular students</td>
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<td>Special students and auditors</td>
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