1938

Bulletin of the University of Nebraska: Annual Catalog of the College of Medicine, 1938-1939

University of Nebraska College of Medicine

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Bulletin of
The University of Nebraska
College of Medicine
OMAHA

Announcements for the
Session of 1938-1939

Published by the University
June 29, 1938

The Bulletin of the University of Nebraska is published weekly in March, April, and May, semi-monthly in February, June, August, and October, and monthly in January, July, and September of each year by the University of Nebraska. Entered at the postoffice at Lincoln, Nebraska, as second-class matter under Act of Congress, August 24, 1912.
The University of Nebraska comprises the following colleges and schools:

The College of Agriculture, offering the degrees of Bachelor of Science in Agriculture and Bachelor of Science in Home Economics.

The College of Arts and Sciences, offering the degrees of Bachelor of Arts, Bachelor of Fine Arts, Bachelor of Music, and Bachelor of Science.

The College of Business Administration, offering the degree of Bachelor of Science in Business Administration.

The College of Dentistry, offering the degrees of Doctor of Dental Surgery and Bachelor of Science in Dentistry.

The College of Engineering, offering the degrees of Bachelor of the Art of Architecture and Bachelor of Science in Agricultural, Architectural, Chemical, Civil, Commercial, Electrical, and Mechanical Engineering.

The Graduate College, offering the degrees of Doctor of Philosophy, Master of Arts, Master of Science, Master of Architecture, and Master of Science in Agricultural, Civil, Electrical, and Mechanical Engineering, and in Social Work, Agricultural Engineer, Chemical Engineer, Civil Engineer, Electrical Engineer, and Mechanical Engineer.

The College of Law, offering the degrees of Bachelor of Laws and Doctor of Jurisprudence.

The College of Medicine at Omaha, offering the degrees of Doctor of Medicine, Bachelor of Science in Medicine, Bachelor of Science in Nursing, and Graduate Nurse.

The College of Pharmacy, offering the degree of Bachelor of Science in Pharmacy.

The Teachers College, offering the degrees of Bachelor of Science in Education, Bachelor of Arts in Education, and Bachelor of Fine Arts in Education.

The Graduate School of Social Work.

The School of Journalism.

The School of Music.

The School of Nursing at Omaha.

The Teachers College High School, The Nebraska School of Agriculture at Curtis, the Nebraska Agricultural Experiment Station, the Experiment Sub-stations at North Platte, Scottsbluff, and Valentine, the Agricultural Extension Service, the University Extension Division, the Conservation and Survey Division, the Nebraska Engineering Experiment Station, and the Box Butte Experiment Farm also are under the supervision of the Board of Regents of the University.

Separate catalogs or information regarding any of the above colleges or schools may be obtained from the Registrar, University of Nebraska, Lincoln, Nebraska.
# GENERAL CALENDAR

1938

<table>
<thead>
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<th>September</th>
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<th>December</th>
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1939

<table>
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<tr>
<th>January</th>
<th>February</th>
<th>March</th>
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1938

- Sept. 16—Registration, first semester.
- Nov. 23-28—Thanksgiving vacation.

1939

- Jan. 27—Registration, second semester.
- April 7-12—Spring vacation.
- June 5—Sixty-eighth Annual Commencement.
CALENDAR FOR 1938-39

1938
Aug. 31, Sept. 1, 2, 6, 7, 8

Sept. 12 Monday

Sept. 13, 14 Tuesday, Wednesday
Sept. 15 Thursday
Sept. 16 Friday
Sept. 19 Monday
Sept. 21 Wednesday (11 a.m.)
Oct. 22 Saturday
Nov. 23-28 Wednesday (noon)-
          Monday (8 a.m.)
Dec. 3 Saturday
Dec. 11 Sunday
Dec. 17 Saturday (noon)

1939
Jan. 2 Monday (8 a.m.)
Jan. 9-14 Monday-Saturday noon
Jan. 19-28 Thursday-Saturday
Jan. 27 Friday
Jan. 30 Monday
Feb. 15 Wednesday
March 11 Saturday
April 7-12 Friday (8 a.m.)-
          Wednesday (8 a.m.)
April 18 Tuesday
April 20 Thursday
April 22 Saturday
May 4 Thursday
May 4-6 Thursday-Saturday
May 6 Saturday
May 8-13 Monday-Saturday noon
May 24-June 3 Wednesday-Saturday
May 26 Friday
May 30 Tuesday

Commencement Week
June 4 Sunday
June 5 Monday

1939-40
Sept. 6, 7, 8, 12, 13, 14

Sept. 18 Monday

Sept. 19, 20 Tuesday, Wednesday
Sept. 22 Friday

Classification tests and medical examination
Freshman Day and University reception to all students
Registration for new students
First semester classes begin
Registration, College of Medicine
College of Medicine classes begin
Freshman Convocation
First six-weeks reports
Thanksgiving vacation
Second six-weeks reports
Oratorio by University Choral Union and
University Orchestra
Christmas vacation begins

Registration for second semester for students
attending first semester
First semester examinations
Registration for new students
Second semester classes begin
Charter Day
First six-weeks reports
Spring vacation
Honors Convocation
Nebraska School of Agriculture commencement (Curtis)
Second six-weeks reports
Ivy Day
College Days
Pre-medic Day
Registration for fall semester and summer
session for students attending second semester
Second semester examinations
Teachers College High School commencement
Memorial Day holiday
Baccalaureate sermon
Sixty-eighth annual commencement

Classification tests and medical examination
Freshman Day and University reception

  to all students
Registration for new students
Registration, College of Medicine
THE COLLEGE OF MEDICINE

THE BOARD OF REGENTS

Members                                      Term Expires
STANLEY D. LONG, Grand Island, President        January, 1939
FRANK J. TAYLOR, St. Paul                      January, 1939
MARION A. SHAW, David City                    January, 1941
CHARLES Y. THOMPSON, West Point                 January, 1941
ARTHUR C. STOKES, Omaha                        January, 1943
ROBERT W. DEVOE, Lincoln                       January, 1943
Loring Ellis Gunderson, Lincoln, Corporation Secretary.

COMMITTEES OF THE BOARD OF REGENTS

Executive—Regents Long, Stokes, Devoe.
Finance—Regents Devoe, Long, Shaw.
Industrial Education—Regents Thompson, Devoe, Taylor.
Medical Education—Regents Stokes, Shaw, Long.
Property—Regents Taylor, Thompson, Stokes.
Student Relations—Regents Shaw, Taylor, Thompson.

OFFICERS OF ADMINISTRATION AND INSTRUCTION

THE UNIVERSITY

EDGAR ALBERT BURNE TT, D.Sc., LL.D., Chancellor of the University. Administration, Hall, Lincoln Campus.
FLORENCE IRVIN McGAHEY, A.B., Registrar and University Publisher. (Secretary of the Faculties.) Administration Hall, Lincoln Campus.

THE COLLEGE

CHARLES WILLIAM McCORKLE PONTIER, Dean

PAYSON STONE ADAMS, B.Sc. in Med., M.D., Instructor in Urology.
JOHN FRANKLIN ALLEN, B.Sc., M.D., Associate Professor of Medicine.
MAINE C. ANDERSEN, M.D., Instructor in Medicine.
HARLEY ERIC ANDERSON, B.Sc. in Med., M.D., Assistant Instructor in Obstetrics.
CHARLES P. BAKER, M.D., Instructor in Pathology and Bacteriology.
CLARENCE FREDERICK BANTIN, B.Sc., M.D., Instructor in Pediatrics.
ELMER WILLIAM BANTIN, B.Sc., M.D., Instructor in Pediatrics.
MILWARD LEVI BAYLISS, A.B., Ph.D., Instructor in Pathology and Bacteriology.
FRANCIS J. BEAN, A.B., M.D., Assistant Superintendent of Hospital and Assistant Professor of Medicine.
MEYER BEBER, Ph.D., M.D., Instructor in Internal Medicine.
ABRAM ELTING BENNETT, B.Sc., M.D., Assistant Professor of Neuropsychiatry.
ARTHUR LAWRENCE BENNETT, A.B., Ph.D., M.D., Associate Professor of Physiology and Pharmacology.
GORDON NEWALL BEST, B.Sc., M.D., Instructor in Medicine.

† Resigned.
Russell Rolland Best, B.Sc., M.D., Assistant Professor of Anatomy and Associate Professor of Surgery.
James Dewey Bisgard, A.B., M.D., Assistant Professor of Surgery.
Rodney Waldo Bliss, A.B., M.D., Professor of Medicine. (Chairman of Department of Internal Medicine.)
Alfred Jerome Brown, A.B., M.D., Professor of Surgery.
William Frederick Callfas, C.M., M.D., Professor of Otorhinolaryngology, Emeritus.
Olin James Cameron, M.S., M.D., Assistant Professor of Dermatology and Syphilology.
Waldron Alvin Cassidy, A.B., M.D., Assistant Professor of Otorhinolaryngology and Consultant for Bronchoscopy.
John Murl Christlieb, Ph.G., B.Sc. in Med., M.D., Clinical Assistant in Medicine.
George L. Clark, B.Sc., M.D., Instructor in Pediatrics.
Mildred Johnson Clark, M.D., Clinical Assistant in Obstetrics.
Augustus David Cloyd, A.B., M.D., Instructor in Internal Medicine.
Frank Matthew Conlin, M.D., Associate Professor of Medicine.
Edwin Davis, A.B., M.D., Professor of Urology. (Chairman of Department.)
Herbert Haywood Davis, A.B., M.D., Associate Professor of Surgery.
John Calvin Davis, Jr., A.B., M.D., Assistant Professor of Otorhinolaryngology.
Carmelo Distefano, B.Sc., M.D., Clinical Assistant in Urology.
Frank Lowell Dunn, B.Sc., A.M., M.D., Assistant Professor of Clinical Physiology and Assistant Professor of Internal Medicine.
Harold Everett Eggers, A.B., A.M., M.D., Professor of Pathology and Bacteriology. (Chairman of Department.)
Samuel Eppstein, A.B., Ph.D., Instructor in Biochemistry.
Samuel Z. Faier, B.Sc. in Med., M.D., Instructor in Otorhinolaryngology.
David Pressley Findley, M.D., Instructor in Obstetrics and Gynecology.
Charles Frandsen, B.Sc., M.D., Assistant Instructor in Medicine.
Harold Gifford, Jr., B.Sc. in Med., M.D., Assistant Professor of Ophthalmology.
Manuel Grodinsky, B.Sc., M.D., Assistant Professor of Anatomy and Assistant Professor of Surgery.
August Ernest Guenther, B.Sc., Ph.D., Professor of Physiology and Pharmacology, Emeritus.
Millard F. Gunderson, B.Sc., M.Sc., Ph.D., Assistant Professor of Pathology and Bacteriology.
Lynn Thompson Hall, B.Sc., M.D., Associate Professor of Medicine in charge of Therapeutics.
Howard Brownlee Hamilton, A.B., M.D., Professor of Pediatrics. (Chairman of Department.)
William Rudolph Hansa, B.Sc., M.D., Instructor in Orthopaedic Surgery.
William Porter Hanez, M.D., Instructor in Otorhinolaryngology.
Louis Everett Hanish, B.Sc., M.D., Instructor in Surgery.
Vincent Charles Hascall, LL.B., Instructor in Medical Jurisprudence.
Lyman Howard Heine, A.B., M.D., Clinical Assistant in Otorhinolaryngology.
Joseph A. Henske, M.D., Assistant Professor of Pediatrics.
N. Frederick Hicken, A.B., M.D., Assistant Professor of Surgery.
Lloyd Oliver Hoffman, M.D., Instructor in Obstetrics and Gynecology.
Edward Agustus Holyoke, Ph.D., M.D., Assistant Professor of Anatomy.
Howard B. Hunt, A.B., A.M., M.D., Professor of Radiology and Physical Therapy. (Chairman of Department.)
Herman Milton Jahr, B.Sc., M.D., Instructor in Pediatrics. (Secretary of Department.)
Herman Frank Johnson, M.D., Assistant Professor of Orthopaedics and Assistant Professor of Surgery in charge of Division of Fractures.
Delbert Kenneth Judd, B.Sc., M.D., Instructor in Otorhinolaryngology.
John Hewitt Judd, B.Sc., M.D., Associate Professor of Ophthalmology.
John Jay Keegan, A.B., A.M., M.D., Professor of Neurological Surgery and Neuro-Pathology. (Chairman of Department of Surgery.)
Charles Rex Kennedy, M.D., Professor of Clinical Surgery.
Esley Joseph Kirk, A.B., A.M., M.D., Assistant Professor of Medicine, in charge of Clinical Clerk Service.
John Stephens Latifa, A.B., Ph.D., Professor of Anatomy. (Secretary of Department.)
John Dewey Le Mar, M.Sc., M.D., Instructor in Pathology and Bacteriology.
Raymond Gerald Lewis, A.B., B.Sc., M.D., Assistant Instructor in Medicine.
John Prentiss Lord, M.D., Professor of Orthopaedic Surgery, Emeritus.
James S. McAvin, Ph.G., M.D., Instructor in Anesthesia and Radiology.
Joseph D. McCarthy, M.D., Assistant Professor of Medicine.
Guy Robert McCutchan, B.Sc. in Med., M.D., Clinical Assistant in Medicine.
Leon Steiner McGoogan, A.B., M.D., Assistant Professor of Obstetrics and Gynecology. (Secretary of Department.)
Archibald Ross McIntyre, Ph.D., M.D., Professor of Physiology and Pharmacology. (Chairman of Department.)
Charles William McLaughlin, Jr., M.D., Instructor in Surgery.
Ernest Lynn MacQuiddy, A.B., M.D., Assistant Professor of Medicine.
Morris Margolin, A.B., M.D., Instructor in Medicine.
Otis Wallace Martin, B.Sc., M.D., Instructor in Urology.
Claude William Mason, M.D., Assistant Professor of Medicine, in charge of Tropical Medicine.
Wilson Bridges Moody, A.B., M.D., Assistant Professor of Medicine.
CHARLES FRANKLIN MOON, B.Sc., M.D., Assistant Professor of Obstetrics and Gynecology.

JOHN CLYDE MOORE, Jr., A.B., B.Sc., M.D., Professor of Pediatrics.

SERGIUS MORGULIS, A.B., A.M., Ph.D., Professor of Biochemistry. (Chairman of Department.)

WILLIAM HOWARD MORRISON, B.Sc. in Med., M.D., Instructor in Ophthalmology.

REUBEN ALYNN MOSER, A.B., M.D., Assistant Professor of Medicine and Director of Medical Clinic at the Dispensary.

FLOYD JOSHUA MURRAY, B.Sc., M.D., Instructor in Surgery.

OLIVER CLARKE NICKUM, A.B., M.D., Instructor in Medicine.

FREDERICK W. NIEHAUS, B.Sc., M.D., Assistant Professor of Medicine.

JOHN RUDOLPH NILSON, M.D., Professor of Industrial Surgery.

CHARLES AUSTIN OWENS, B.Sc., M.D., Assistant Professor of Urology.

CHARLES WHITNEY POLLARD, A.B., M.D., Professor of Obstetrics and Gynecology, Emeritus.

GEORGE BENJAMIN POTTER, M.D., Associate Professor of Ophthalmology.

JOHN BEEKMAN POTTS, M.D., Professor of Otorhinolaryngology, Emeritus.

CHARLES WILLIAM MCCORKLE POYNTER, B.Sc., M.D., Dean of the College of Medicine, Professor of Anatomy (Chairman of Department), and Superintendent of University Hospital.

GEORGE PAYTON PRATT, B.Sc., M.D., Associate Professor of Medicine.

GEORGE WINTHROP PRICHARD, A.B., M.D., Instructor in Medicine.

DANIEL THOMAS QUIGLEY, M.D., Instructor in Surgery.

ROBERT HOUSTON RASCORSHAK, M.D., Assistant Professor of Ophthalmology.

JOHN PHILBROOK REDWICK, B.Sc., M.D., Clinical Assistant in Obstetrics.

CHARLES O’NEILL RICH, B.Sc., M.D., Associate Professor of Surgery.

GEORGE EDWIN ROBERTSON, B.Sc. in Med., M.D., Instructor in Pediatrics.

PHILIP L. ROMONEK, M.D., Instructor in Otorhinolaryngology.

CLARENCE RUBENDALL, B.Sc., M.D., Associate Professor of Otorhinolaryngology.

ABRAHAM SROL RUNBITZ, A.B., M.D., Assistant Professor of Medicine.

EARL CUDDINGTON SAGE, B.Sc., M.D., Professor of Obstetrics and Gynecology. (Chairman of Department.)

ROBERT D. SCHROCK, A.B., M.D., Professor of Orthopaedic Surgery. (Chairman of Department.)

JOHN CHARLES SHARPE, B.Sc. in Med., M.D., Instructor in Medicine and Technical Assistant in Urology and Bacteriology.


EUGENE EARL SIMMONS, B.Sc., M.D., Instructor in Medicine.

GEORGE A. SKINNER, M.D., Professor of Public Health, Emeritus.

RAY S. SNIDER, B.Sc., M.S., Ph.D., Instructor in Anatomy.

CLARENCE THOMPSON SPIER, A.B., LL.B., Instructor in Medical Jurisprudence.

OLGA FRANCES STASTNY, M.D., Instructor in Obstetrics and Gynecology.

ROBERT JAMES STEARNS, M.D., Instructor in Gynecology.
ABRAHAM A. STEINBERG, B.Sc., M.D., Instructor in Ophthalmology.
HARRY BAYLISS STOKES, M.D., Instructor in Oto-rhino-laryngology.
WILLIAM HERMAN STOKES, M.D., Professor of Ophthalmology. (Chairman of Department.)
WILLIS HARVEY TAYLOR, B.Sc., M.D., Professor of Clinical Obstetrics and Gynecology.
AMOS THOMAS, LL.B., Instructor in Medical Jurisprudence.
CHARLES EDWARD THOMPSON, B.Sc., M.D., Instructor in Internal Medicine.
CHESTER QUAY THOMPSON, B.Sc., M.D., Assistant Professor of Medicine.
WARREN THOMPSON, B.Sc., M.D., Assistant Professor of Medicine.
PAUL WAYNE TIPTON, B.Sc. in Med., M.D., Clinical Assistant in Orthopaedic Surgery.
JAMES PERRY TOLLMAN, B.Sc., M.D., Associate Professor of Clinical Pathology.
CHARLES CREIGHTON TOMLINSON, M.D., Professor of Dermatology and Syphilology. (Chairman of Department.)
OTIS WADE, Ph.D., Associate Professor of Zoology and Adviser to Pre-Medical Students.
CHESTER HILL WATERS, B.Sc., M.D., Associate Professor of Surgery and Associate Professor of Gynecology.
†CLAYTON GUY WEIGAND, B.Sc., M.D., Instructor in Pediatrics.
JOSEPH A. WEINBERG, B.Sc., M.Sc., M.D., Associate Professor of Clinical Pathology and Associate Professor of Surgery.
WILLIAM PENALUNA WHERRY, M.D., Professor of Otorhinolaryngology. (Chairman of Department.)
HARRISON ALONZO WIGTON, B.Sc., M.D., Associate Professor of Neuro-Psychiatry.
WILLIAM ALBERT WILLARD, A.M., Ph.D., Professor of Anatomy.
DONALD JASPER WILSON, A.B., B.Sc., M.D., Assistant Professor of Dermatology and Syphilology.
WILLIS DEAN WRIGHT, B.Sc., M.D., Clinical Assistant in Medicine.
HELEN WYANDT, M.Sc., Assistant Professor of Pathology and Bacteriology.
GEORGE ALEXANDER YOUNG, M.D., Professor of Neuro-Psychiatry. (Chairman of Department.)
RICHARD HARTE YOUNG, B.Sc., M.S., M.D., Assistant Professor of Neuro-Psychiatry.

Interns: Almer, Boyer, Buhl, Dressler, Dunlap, Finlayson, Kautz, Krah, LeMar, Norquist, Resnick, Schmela.
Graduate Assistants: Harvey, Holyoke, Pfeiffer, Wilder.
Fellows: Burke, Loseke, Schonberger, Sievers.
Residents: M.D. Lewis—Fever Therapy; Hosie—Obstetrics and Gynecology; Drummond—Pathology; Popma—Radiology.

† Resigned.
COMMITTEES OF THE FACULTY

Curriculum—Doctors Latta (Chairman), Conlin, Taylor, Waters.
Dispensary—Doctors Moser (Chairman), Allen, Henske, McLaughlin, Moon.
Examinations—Doctors Hall (Chairman), Anderson (M.C), Bantin (E.W.), Davis (H.H.), Hoffman, Johnson, McLaughlin, Potter, Thompson (Warren).
Executive—Chairman of Departments.
Fever Therapy Research—Doctors Bennett (A.E.) (Chairman), Dunn, Owens, Simmons.
Formulary—Doctors Hall (Chairman), Bean, Cameron, Davis (J.C.), McIntyre, Thompson (C.Q.).
Graduate Studies—Doctors Willard (Chairman), Gunderson, Morgulis.
Library—Doctors Latta (Chairman), Brown, McIntyre, Pratt, Miss Hillis.
Staff Clinics—Doctors Hunt (Chairman), Kennedy, Pratt.
Student—Doctors Eggers (Chairman), Bennett (A.L.), Latta, McCarthy, Thompson (Warren).
University Hospital—Doctors Bliss (Chairman), Hamilton, Keegan, Sage.

ADMINISTRATION

FRANCIS J. BEAN, A.B., M.D., Assistant Superintendent of University Hospital and Assistant Professor of Medicine.
CHARLOTTE BURGESS, R.N., Ph.B., Director of the School of Nursing.
JOSEPHINE CHAMBERLAIN, R.N., Superintendent of Dispensary.
WILLIAM G. EVERS, Cashier.
MARGUERITE GODSEY, Secretary to the Superintendent, University Hospital.
GERTRUDE HARTE, Record Librarian, University Hospital.
MADALENE S. HILLIS, Librarian of Medical College Library.
MARY LOU LESLIE, A.B., Secretary to the Dean.
ANGELINE PHILLIPS, B.S., M.S., Instructor in Dietotherapy and Diet Kitchen Practice and Director of Dietetics.
RUBEN B. SAXON, B.Sc. in M.E., Assistant Operating Superintendent at the College of Medicine.
THE COLLEGE OF MEDICINE

Degrees of Doctor of Medicine, Bachelor of Science in Medicine, Bachelor of Science in Nursing, and Graduate Nurse.

HISTORY

The first move for the establishment of a college of medicine in the state of Nebraska came February 15, 1869, when the Nebraska state legislature approved the formation of the University of Nebraska at Lincoln, which was to include a college of medicine. Nothing was done toward the establishment of this college until 1883, when the University of Nebraska Medical College was established at Lincoln. The legislature of 1887 withdrew its appropriation, necessitating discontinuance of the college on May 19, 1887. In 1902 the Omaha Medical College, incorporated at Omaha in 1881, entered into an agreement of affiliation with the University of Nebraska whereby the first two years of a four-year medical course would be given at Lincoln and the last two years in Omaha. By this move the college changed its name to the University of Nebraska College of Medicine and became an integral part of the state university. Since 1913 the entire four-year course has been offered at Omaha.

STANDING

Under the appropriation made by the legislature during the period since 1913, The Board of Regents has devoted more than a million and a half dollars for the erection and equipment of buildings for the Medical College. These buildings and their equipment provide for the student activities of the work of both the basic sciences and the clinical years. The University Hospital was built to provide for two hundred and fifty beds in the various services organized for medical teaching.

The College of Medicine meets the requirements of the most exacting state examining and licensing boards. Its diploma grants the holder all privileges accorded to graduates of any medical college in the United States. It is a member of the Association of American Medical Colleges and has a Class "A" rating by the American Medical Association. It maintains the highest standards in instructional staff and content of courses.

The course of study in medicine covers four years of thirty-six weeks each. The first two years in medicine include those laboratory sciences which form the basis for the clinical studies of the last two years. The clinical application of laboratory subjects is emphasized and introductory clinical subjects are given in the second year. The last two years are spent largely in the study of disease in clinics of the hospital and out-patient department. The objective method is followed in laboratories and clinical instruction, with constant reference to the facts acquired from earlier laboratory work. In all courses students are encouraged to do the largest amount of individual work consistent with the discipline of the curriculum.

In the plan of instruction throughout the four years students are arranged in small groups to meet both laboratory and clinical instructors.
This tends to overcome the objections which are so frequently urged by students where they are met in large classes for didactic exercises.

**ADMISSION TO THE COLLEGE OF MEDICINE**

For admission to the College of Medicine, applicants must present official credentials as follows:

**HIGH SCHOOL.**—Graduates of accredited high schools may have full admission with 12 properly selected entrance units completed in the senior high school (grades 10, 11, 12) or with 15 entrance units on the four-year high school basis.

Six units from the senior high school shall be in the fields of English, foreign language, mathematics, natural sciences, and the social studies with a minimum of two units in English, two in mathematics (one each of algebra and geometry or an equivalent combination of general mathematics, algebra and geometry), and two in a foreign language. One unit of foreign language and one unit of mathematics completed below grade 10, while not counting toward the six units in the five fields mentioned above, may be used in fulfilling the specific requirements in these fields.

**COLLEGE.**—The following college subjects are required of all applicants:

<table>
<thead>
<tr>
<th>Subject</th>
<th>Semester Hours</th>
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</thead>
<tbody>
<tr>
<td>Chemistry (4 hours of which shall be Organic)</td>
<td>12</td>
</tr>
<tr>
<td>Physics</td>
<td>8</td>
</tr>
<tr>
<td>Biology</td>
<td>8</td>
</tr>
<tr>
<td>English</td>
<td>6</td>
</tr>
<tr>
<td>Electives</td>
<td>56</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>90</strong></td>
</tr>
</tbody>
</table>

The college course must include at least three years of work (90 semester hours) in an approved College of Arts and Sciences or University. The students are urged to elect a broad list of courses including the humanities as well as the basic sciences. This might well include sociology, psychology, history, advanced English, and a major foreign language, preferably German, to be carried through two or three years unless it has been begun in high school.

This number of hours must not include subjects such as anatomy, histology, embryology, physiology, biochemistry, medical bacteriology, nor any other subject which is taken in Medical College nor credits offered from professional schools which do not regularly receive Arts College credit.

Each student applying for admission to the College of Medicine is required to take the aptitude test as provided by the Association of American Medical Colleges, except where specifically excused by authorities of the College.

By meeting group and major and minor requirements, a degree of Bachelor of Arts or Bachelor of Science can be received on the satisfactory completion of the first year in Medical College.

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2 Effective September 1, 1939.
APPLICATION FOR ADMISSION.—Applications should be made to the Dean of the University of Nebraska College of Medicine, 42nd and Dewey Avenue, Omaha, Nebraska, who will furnish a printed application blank and two character reference blanks. The latter are to be filled out preferably by a professor of zoology and a professor of chemistry. A personal interview with the Dean or the Committee on Admissions is very desirable.

Applications should be submitted early in April and if presented after June first will be considered only at the discretion of the College. Applications may be presented upon completion of five semesters of pre-medical work, with indication of enrollment for the remaining necessary subjects during the sixth semester or summer school. A provisional acceptance will be given such a student if his record is satisfactory.

Admissions are on a selective basis, preferably being granted to residents of Nebraska. The number of admissions is limited and selection is based on character, scholarship, and promise of aptitude for the practice of medicine.

Upon receipt of notice that an applicant has been accepted for entrance to the College of Medicine, he is required to send a deposit of twenty-five dollars ($25.00) to be applied as part payment of the tuition fee of the first term at the time of registration, or to be forfeited if the applicant fails to register in the College of Medicine by October first. A charge of five dollars may be made for evaluation of transcripts of non-resident students, such fees to be applied as part payment of tuition if applicant is accepted.

ADVANCED STANDING.—Application for admission to advanced standing in the second and third medical year classes will be considered only from Class "A" schools. Applicants for admission must furnish evidence that they have satisfactorily completed courses equivalent in kind and amount to those taken by the class to which admission is sought, and must present also a letter of honorable dismissal. The University of Nebraska College of Medicine reserves the right in every case to give examinations in any or all subjects in which credit is requested. Such examinations, however, are given only in exceptional cases.

No student coming from another school will be allowed any privileges in this school which would have been denied him in the school which he leaves.

No student will be admitted to advanced standing in any class with a delinquency in any subject; nor may he become a candidate for graduation without spending the last two years in residence.

CREDIT REQUIREMENTS.—In accordance with the recommendation of the Association of American Medical Colleges, the College of Medicine does not grant any time credit toward the Doctor of Medicine degree to holders of a Bachelor's degree; this means that the total time spent by each student taking his medical degree must include as a minimum four years of registration in a medical college.

The granting of subject credit is at the discretion of the Committee on Credits, which may ask the chairman of any department in which credit is offered to certify as to the student's eligibility through such examination
as he may reasonably impose. Admission to any class does not necessarily carry with it credit in all work previously done by the class, since the Committee on Credits has the right to demand satisfactory evidence of the completion of previous work in that subject equal to that required of the student of this College, and in case the work is not equal to such requirement the deficiency stands against the student as an "incomplete" until removed.

Combined Academic and Medical Courses

Course Leading to the Degrees of Bachelor of Science and Doctor of Medicine.—By completing the group requirements of the College of Arts and Sciences and two minors (or one major and one minor) and by the use of the subjects of the first year of the medical course, the student is enabled to receive at the end of four years the degree of Bachelor of Science in the College of Arts and Sciences.

Course Leading to the Degrees of Bachelor of Arts and Doctor of Medicine.—A student may arrange a course leading to the degree of Bachelor of Arts and Doctor of Medicine, but seven years are necessary to meet the requirements for the Bachelor of Arts degree and to secure, at the same time, the scientific training required for the degree in Medicine.

Bachelor of Science in Medicine

Course Leading to the Degree of Bachelor of Science in Medicine.—Students presenting pre-medical college credits of high standard and who have completed the first two years in Medicine, the last year of which shall be in residence in this institution, but who have not fulfilled the requirements for the degree of Bachelor of Science in the College of Arts and Sciences, may become candidates for the degree of Bachelor of Science in Medicine.

Registration

A day at the beginning of each semester is set apart for registration. To promote prompt registration, a fee of $3.00 is charged any student who, unless excused by the Dean, seeks to register later than this day. A fee of $1.00 is charged for re-registration. Any change whatever in a registration once made is considered as a re-registration. No work done in the College of Medicine may be granted credit without proper registration. Eligibility for the degree of Doctor of Medicine requires registration in eight separate semesters. No regular student is registered for less than twelve hours a semester without the Dean's permission, nor under any conditions for more than eighteen hours. No student may add any subject to his schedule or drop from it any subject for which he has been regularly registered, without written permission from the Dean. Students may not attend classes for which they are not registered.

Students desiring to use the work of the first two medical years for baccalaureate credit at the University of Nebraska must register in the Arts and Sciences College until the necessary amount of college work is
completed. Candidates for baccalaureate degrees in other institutions than the University of Nebraska may arrange with their colleges to accept transcripts of the work of the first two years in medicine to apply to such degrees, or otherwise satisfy the requirements of those institutions.

**CLASS STANDING AND EXAMINATION**

The standing of a student in any course is determined by the instructor in charge of the subject through examinations, personal contact, and observation of routine work. The passing grade for subjects of the first and second medical years is 70 per cent and for the third and fourth medical years is 75 per cent. A grade below passing constitutes a “failure.”

A course, which for a good reason has not been completed, may, if of passing grade, be marked “incomplete.” Such “incomplete” must be removed by the end of the first semester in which the course is again offered or it becomes a failure.

Attendance on less than 80 per cent of the scheduled lectures and recitations or 85 per cent of the scheduled laboratory and clinical hours constitutes a “failure” in any course and shall be so reported.

A “failed” subject must be absolved by re-registration in and satisfactory completion of the subject at or before the next offering in the College schedule. A re-registered subject takes precedence over all other subjects. A student who has failed twice here or elsewhere in the same subject is not eligible for registration in that subject at this College.

A student who fails to make an average of 75 per cent in all of the subjects of either the first or second medical years shall be re-examined in all of the subjects of the respective year by an examining committee before being permitted to register for the following year.

At the end of the senior year a committee examination and thesis will be required before recommendation for graduation.

Whenever at the end of any semester a student is delinquent in half or more of his registered hours, his name is automatically dropped from the rolls of the College of Medicine and his registration cancelled.

**ABSENCE OR WITHDRAWAL**

The Dean of the College of Medicine is the Adviser of all students in the College of Medicine. A leave of absence for a short time may be granted a student by the Dean of his College. This is merely a justification for absence and not an excuse from any work. If a student in good and honorable standing finds it necessary to withdraw from the University before the close of a semester, the Dean grants him permission to do so. If he is in good standing and is not a minor he is given honorable dismissal from the University at his own request; if a minor, at the request of his parents or guardian.

**REQUIREMENTS FOR GRADUATION**

The degree of Doctor of Medicine is granted only under the following conditions:
1. The candidate must be at least twenty-one years of age.
2. He must possess a good moral reputation.
3. He must have complied with all the requirements of admission.
4. He must have pursued the study of medicine for at least four years and must have passed all required courses and examinations and have received credit for at least four full years of instruction at medical colleges in good standing. The last two years must have been taken in this institution.

Graduate Work

Graduate work of two types is offered in the College of Medicine.

1. Advanced study and research may be pursued in one or more of the laboratory departments by students holding baccalaureate degrees from this institution or from some other university or college, such work leading to the Master's or Doctor's degree is registered for in the Graduate College and is subject to its regulations. A student may, with the consent of the Graduate College and the Dean of the College of Medicine, divide his work between the two Colleges providing the general rules as to total hours of registration are not violated.

2. Research accomplished under the direct supervision of the faculty by graduates of outstanding scholarship serving in the University of Nebraska College of Medicine may lead to the degree of Doctor of Medicine cum laude. The following conditions laid down by the faculty must be complied with. The candidate should apply at least one year before he expects to come up for such degree and the subject of his study as well as an outline of the proposed work must be approved by the Faculty Committee on Graduate Study. Throughout the year the candidate's investigatory work should be under the supervision of two advisers named by the above committee, one of whom shall be a member of the laboratory faculty, the other the Chief of Staff of the Hospital, where the candidate serves his internship. The work must represent original clinical or experimental data embodied in a typewritten thesis which should also give a comprehensive and critical survey of the literature of the special topic under investigation. Three copies of the thesis should be submitted, one of which will be deposited in the Medical College Library, if accepted. The granting of the degree should be by unanimous vote of the faculty after the thesis, properly recommended by the advisory committee, has been accepted by the executive committee of the faculty.

Fees

(The following schedule of fees will remain in force for the year 1938-39 unless changed by The Board of Regents prior to registration.)

Tuition fees for the current semester must be paid on date of registration.)
The scheduled fees in the College of Medicine are as follows:

Matriculation fee (charged once only for each degree) $5.00

Graduation fee
- Bachelor of Science in Medicine $5.00
- Doctor of Medicine $5.00
- Doctor of Medicine, cum laude $10.00
- In absentia, additional $10.00

Registration, each semester $1.00

Examination, special, each subject $5.00

Non-resident, minimum, each semester $25.00

Tuition, each semester $100.00

Tuition, irregular students, per credit hour $7.00

Laboratory and breakage, each year $10.00

Catalog, General . $5.00

Medical service $2.00

(Unused portion of breakage fee is returnable at end of senior year.)

The tuition fees for the pre-medical years vary from $1.50 to $3.00 per credit hour.

No person may be recommended for a degree until he has paid all fees, including the fee for graduation.

For elective courses requiring laboratory space, apparatus, and material, an extra fee is charged. This fee is by arrangement between the student and chairman of the department, and is based on the amount of material required. No student in the College of Medicine may be excused from tuition payments because of the fact that he holds an appointive position or is doing instructional work for any department. Special course fees or the fees of students taking part-time work are pro-rated on the basis of the number of hours of work. In no case is the fee more than twenty cents for each hour of work. The minimum fee, however, is $10. Breakage in the laboratory and damage to the College property is charged to the individual or class responsible. In case the responsibility for the damage cannot be placed it is charged to the class pro-rata.

Non-Resident Students.—All non-resident students will be charged a non-resident fee. "The fee charged will not be less than the fee charged to residents of Nebraska for a similar course of study in a corresponding institution by the state in which such non-resident has his home." (Chapter 59, page 178, Nebraska Session Laws of 1923.) This fee will not be less than $25.00 a semester, but it must be as much as the fees which a corresponding institution in the state in which the student resides would charge a resident of Nebraska for a similar course of study. The exact amount of the non-resident fee will be determined when application for entrance is made.

The following rules have been adopted by the Board of Regents:

1. In accordance with statutory provisions, all students not domiciled in Nebraska are required to pay the non-resident fees. These entering the state to attend a state school, or within one year prior to matriculation, are presumed to be non-residents and the burden of overcoming this statutory

1 Beginning September 1, 1939, tuition will be increased to $125 each semester, for all new students and students re-entering without continuity of attendance.
presumption is upon them. Ordinarily this will not be satisfied by a mere declaration, while attending school, of intent to reside in Nebraska.

2. One desiring exemption shall make a verified application therefor upon a blank to be secured from the Finance Secretary’s office and approved by the committee on exemptions. All information called for by the form shall be given in full. When duly verified, the application shall be filed with the Finance Secretary.

3. Students who are charged the non-resident fee by the Registrar, and who claim exemption, must file their application for exemption with the Finance Secretary on or before the end of the ninth week of the semester for which the fee is charged; in the case of summer sessions, before the end of the third week of the term for which the fee is charged. For failure after due notice to file such application on said date, the fee becomes automatically assessed to the student.

4. In all cases the burden is upon the applicant to make a showing sufficient to justify the requested exemption. While personal hearings will not be granted as of right, the committee will summon the applicant for a personal interview in all cases where it is of the opinion that such an interview will aid the proper disposition of the case.

It should be noted that no provision is made for exempting students from this fee on account of financial need or of scholarship. Students coming from outside the state therefore should be prepared to pay the fee throughout their University career.

REFUNDS.—The matriculation fee will be refunded only when charged through an error of a University official. Registration fee and medical service fee will not be refunded but tuition fees may be refunded on withdrawal in good standing from the University according to the following schedule:

<table>
<thead>
<tr>
<th>Tuition returnable</th>
<th>All 75%</th>
<th>50%</th>
<th>25%</th>
<th>None</th>
</tr>
</thead>
<tbody>
<tr>
<td>Each semester, withdrawal within</td>
<td>1-2</td>
<td>3-6</td>
<td>7-10</td>
<td>11-14</td>
</tr>
<tr>
<td>Summer session, 9 weeks, withdrawal within</td>
<td>1</td>
<td>2-3</td>
<td>4-5</td>
<td>6-7</td>
</tr>
<tr>
<td>Summer session, 6 weeks, withdrawal within</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
</tr>
</tbody>
</table>

MICROSCOPES

Students are required to provide suitable microscopes for their own use. Inquiries regarding specifications for microscopes as recommended by the Faculty may be obtained by addressing the Dean’s office.

EXPENSES

Board may be obtained in the vicinity of the College campus at an average of $6.00 per week. Comfortable rooms for individuals cost from $10 to $15 a month. Students rooming together may obtain comfortable rooming quarters at approximately $8 per month each. The average expense of the student for a school year, including books, instruments, and all fees, is between $700 and $900. Students should provide an allowance of $75 per annum for books and instruments.
The Young Men's Christian Association offers to students in the College of Medicine special season tickets at a very small cost, granting the privileges of the Association Building. In a city the size of Omaha there are many opportunities for students to defray a part of their expenses. The College of Medicine does not, however, guarantee employment. Through the Young Men's Christian Association, the Omaha Chamber of Commerce, and other agencies, employment is obtained for a number of students.

LABORATORY FACILITIES

ANATOMY.—The Department of Anatomy occupies the third and fourth floors of the North Laboratory Building. The rooms are well lighted and ventilated. The “unit room” system—each unit accommodating four or eight students—has been adopted as superior to that of a large common dissecting room. The State Anatomical law provides ample material for dissection. In the laboratory for microscopic anatomy individual desks, lockers, reagents, etc., are at the student’s command, as are also excellent collections of histological and embryological material, models, charts, etc.

Biochemistry.—This department, located on the fourth floor of the South Laboratory Building, is amply equipped with modern scientific apparatus. It also has special research laboratories equipped with calorimeter, thermostat, automatic burettes, electric stoves, etc. A balance room and rooms for combustion, calorimetric, and Kjeldahl work may also be mentioned.

Clinical Pathology.—There are two laboratories on each floor of the hospital adjoining the wards equipped for all regular diagnostic laboratory tests. For clinical clerk service, a central hospital laboratory is provided, in which clinical laboratory work on assigned cases is done under supervision. For tissue examination, a special laboratory is located on the ground floor of the first hospital unit, with necropsy room adjacent.

Pharmacology.—Experimental pharmacology occupies the second floor, South Laboratory Building. The chemical and pharmaceutical work of the student is carried on in this laboratory. The department’s equipment includes private laboratories for experimental work.

Pathology and Bacteriology.—This department occupies the first and second floors of the North Laboratory Building, and has two large teaching laboratories for bacteriology, for general pathology of the second medical year, and for clinical and special pathology of the third medical year. Ample facilities and apparatus, with the exception of microscopes, are provided for each student.

Physiology.—The main physiology laboratory in the South Laboratory Building accommodates forty students in each section and separate tables with lockers are provided for each pair of students. The room for mammalian experimentation accommodates thirty-two students. For research work and special experiments several additional rooms are available. The work shop, the instrument room, and the photographic room furnish opportunities for additional types of work.
Clinical Facilities

The University Hospital.—The University Hospital forms the largest unit of the group of buildings constituting the College of Medicine. It is the center around which all the activities of the various departments are grouped, making possible a close correlation between clinical and laboratory teaching. The Hospital, modern in every respect, contains floor space for 240 beds, and provides for the care of a wide variety of cases.

Patients are received from the several counties of Nebraska and are admitted on the application of a legally qualified practitioner of medicine and county official. The patient’s application certifies that he is financially unable to employ a physician. There are no private patients.

The ground floor contains an admitting department, drug room, kitchen, large and subsidiary dining rooms, pathological laboratories, necropsy amphitheater, the X-ray and physical therapy department, together with photography, and the stack room of the library. The first or main floor contains the College and Hospital administration offices, finance offices, medical amphitheater; reading room of the library, office of the Dietitian, three medical wards, staff room, and electro-cardiograph room. The second floor provides four surgical wards similar to those on medicine, a faculty conference room, the offices of the School of Nursing, and the Department of Hospital Records. The third floor contains wards for obstetrics and gynecology, a nursery, a children’s ward, and a ward for neuro-psychiatry as well as the operating pavilion for obstetrics and the occupational therapy shop. On the fourth floor is situated the operating pavilion with rooms for general surgery and the surgical specialties which will accommodate large and small groups of observers, the hospital laboratory, the laboratory for clinical clerks, and interns’ quarters. Each ward is provided with a large solarium.

The control of the University Hospital rests in The Board of Regents and is administered by the College of Medicine.

The University Dispensary is located in the South Laboratory Building. Separate services, each having its own rooms and equipment, are provided in internal medicine; surgery; eye, ear, nose, and throat; pediatrics; gynecology; obstetrics; neurology; dermatology; and genito-urinary diseases. There is also an out-call service which provides medical treatment in the homes, and in its problems cooperates with the Visiting Nurses’ Association and other charitable agencies of the city. All of the above activities are organized for the teaching of the senior students and furnish a wide diversity of diseases for observation and care by them during the last year.

Extramural Hospitals.—Clarkson, Douglas County, Lutheran, Immanuel, Methodist, and City Emergency hospitals are available for regular or special clinics as needed. Members of the University faculty are on the staffs of all these hospitals.

Hospital Appointments.—Graduates of the College of Medicine are afforded a wide choice in the selection of internships. Approximately thirty internships are available in the Omaha hospitals.
Additional Information

Public Health.—The College of Medicine stands ready to supply expert advice in cooperation with the state and local departments of health on the general health conditions within the state. Members of the faculty of the College of Medicine will respond whenever possible for addresses on medical subjects of general interest. These addresses are available for teachers’ associations, women’s club meetings, and the like.

The College of Medicine Library is located in a wing of the Hospital Building and within easy access from the various laboratories, and stands as a vital, common interest to the laboratory and clinical branches of medical instruction. The spacious reading and seminar rooms furnish a most congenial place for students and faculty to work. Accessions, cataloging, and indexing are in charge of a competent, expert librarian. The 38,000 bound volumes and more than 20,000 unbound pamphlets, reprints, and theses are the result of purchases and acquisitions extending over a period of more than half a century and represent the mature judgment, as to valuable medical literature, of many specialists. There has thus been built up, not only a very valuable research library, but one which offers students abundant opportunities for additional reading and study. Over 320 standard, scientific periodicals are on the regular subscription list.

Incidental to its ordinary functions, the library has, in recent years, laid emphasis on the acquisition of material of historic interest, including pictures of great medical men, biographies, histories, and surgical instruments. It also keeps a file of reprints from the writings of Nebraska medical authors. Incorporated within the library of the College of Medicine are 2,000 volumes of the Omaha-Douglas County Medical Society, 1,500 volumes of the Nebraska State Medical Society, and private medical libraries of former practitioners of the state.

The University Library, in Lincoln, containing 320,000 volumes, is freely accessible to students and faculty in Omaha. Books may be withdrawn at any time upon demand. Likewise through the Medical College librarian it is possible for short periods to draw upon the resources of the John Crerar Library of Chicago or the Surgeon General’s Library at Washington. The State Library of 105,000 volumes at the State Capitol and the Nebraska State Historical Society Library of 25,000 volumes include valuable medical works in certain lines; series of public documents such as reports of state boards of health and of state hospitals and other institutions.

The Alumni Association of the University of Nebraska College of Medicine maintains an active organization with headquarters in Omaha. The Association numbers about seventeen hundred members.

Pre-Medical Society.—A large pre-medical society has existed for a number of years among the students in the pre-medical courses at Lincoln. This society meets monthly for an informal evening at which time addresses are made by members of the faculty.
A Saturday in May is set aside each year as Pre-med Day for a visit to the Omaha campus.

Museum.—The pathological museum of the College of Medicine contains about 5,000 specimens. Nearly every variety of pathological lesion is represented and the constant addition of fresh material from the large number of autopsies performed continually adds to its interest. In addition to the gross specimens are thousands of microscopic sections and a large collection of wax reproductions of various lesions. A man technically trained in museum preparation is in charge of this museum. The museum is an important and necessary adjunct to the teaching of pathology and of clinical medicine.

The anatomical museum consisting of models, charts, and mounted specimens is housed in the quarters of the department of anatomy, where it is readily accessible to the students of the department.

**Scholarships and Loan Funds**

Scholarships and Fellowships.—Scholarships are awarded in the various departments in return for student assistance. Applications should be made to the Chairmen of Departments.

Fellowships are available to students who qualify for graduate study and research in the medical sciences. Applications should be made to the Chairmen of Departments.

*Jetur Rigg Conkling and Jennie Hanscom Conkling Foundation.*—The will of the late Clementine C. Conkling provides for the creation of a trust to be known as the “Jetur Rigg Conkling and Jennie Hanscom Conkling Foundation,” the income of which shall be used by the Regents of the University of Nebraska in providing scholarship loans for deserving medical students. Scholarship loans may be awarded only after the close of the students’ first year in the Medical College.

Under the stipulations of the trust, students who have completed the freshman medical year in good standing may apply for a scholarship loan. Scholarship loans will not exceed the sum of two hundred dollars per year. Applications should be addressed to the Dean.

*Omaha Medical College Foundation.*—This foundation, created in April, 1921, was established largely through contributions received from former professors in the Omaha Medical College. The object of the foundation is to promote the study of medicine and to provide for medical research in the University of Nebraska College of Medicine and to assist worthy students by scholarships and loans. The total in this fund exceeds $15,000. Only the income may be disbursed. Students applying for benefits under this fund should file a written application with the Dean.

*Nebraska Federation of Women’s Clubs Scholarship Loan.*—An annual grant of $200 is made for a loan to a student in the College of Medicine, on the basis of scholarship and financial need.
COURSES OF STUDY

The course of study outlined is constructed in accordance with the recommendations of the Council on Medical Education of the American Medical Association and of the Association of American Medical Colleges. The experience of the best medical colleges of the country has been freely utilized. The University Hospital and Dispensary on the Medical College campus furnish ideal opportunities for bedside clinical instruction in close relation to the scientific departments of the College.

SUMMARY OF COURSES OF THE FIRST, SECOND, THIRD, AND FOURTH MEDICAL YEARS

FIRST MEDICAL YEAR

<table>
<thead>
<tr>
<th>Course</th>
<th>Character</th>
<th>Total Hours</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anatomy 1</td>
<td>a Gross Dissection (Upper)</td>
<td>126</td>
<td>4.6</td>
</tr>
<tr>
<td></td>
<td>e Embryology</td>
<td>120</td>
<td>4.3</td>
</tr>
<tr>
<td></td>
<td>f Histology</td>
<td>88</td>
<td>3.3</td>
</tr>
<tr>
<td></td>
<td>a Bacteriology</td>
<td>176</td>
<td>5.8</td>
</tr>
<tr>
<td></td>
<td>Total hours of semester</td>
<td>510</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Total credit hours</td>
<td>18</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Total hours of first medical year</td>
<td>1,028</td>
<td></td>
</tr>
</tbody>
</table>

SECOND SEMESTER

<table>
<thead>
<tr>
<th>Course</th>
<th>Character</th>
<th>Total Hours</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anatomy 1</td>
<td>b Gross Dissection (Head and Neck)</td>
<td>127</td>
<td>4.4</td>
</tr>
<tr>
<td></td>
<td>c Gross Dissection (Torso)</td>
<td>102</td>
<td>3.6</td>
</tr>
<tr>
<td></td>
<td>d Gross Dissection (Lower)</td>
<td>85</td>
<td>3.0</td>
</tr>
<tr>
<td></td>
<td>g Organology</td>
<td>90</td>
<td>3.0</td>
</tr>
<tr>
<td></td>
<td>h Neurology</td>
<td>114</td>
<td>4.0</td>
</tr>
<tr>
<td></td>
<td>Total hours of semester</td>
<td>518</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Total credit hours</td>
<td>18</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Total hours of first medical year</td>
<td>1,028</td>
<td></td>
</tr>
</tbody>
</table>

1 A "credit hour" in the College of Medicine is based upon a factor of 27.7 hours attendance per week at regularly scheduled lecture, laboratory, or clinical periods during 17 weeks of a semester.
## SECOND MEDICAL YEAR

### FIRST SEMESTER

<table>
<thead>
<tr>
<th>Course</th>
<th>Character</th>
<th>Total Hours</th>
<th>Credit Hours¹</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physiology and Pharmacology 2</td>
<td>a Didactic</td>
<td>85</td>
<td>4.0</td>
</tr>
<tr>
<td></td>
<td>b Laboratory</td>
<td>170</td>
<td>6.0</td>
</tr>
<tr>
<td>Biochemistry 2</td>
<td>a Physical Chemistry</td>
<td>84</td>
<td>3.0</td>
</tr>
<tr>
<td></td>
<td>b Biological Chemistry</td>
<td>154</td>
<td>5.0</td>
</tr>
</tbody>
</table>

Total hours of semester: 493
Total credit hours: 18

### SECOND SEMESTER

<table>
<thead>
<tr>
<th>Course</th>
<th>Character</th>
<th>Total Hours</th>
<th>Credit Hours¹</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physiology and Pharmacology 2</td>
<td>c Didactic</td>
<td>85</td>
<td>1.0</td>
</tr>
<tr>
<td></td>
<td>d Laboratory</td>
<td>102</td>
<td>4.0</td>
</tr>
<tr>
<td>Pathology 2</td>
<td>a General Pathology</td>
<td>204</td>
<td>8.5</td>
</tr>
<tr>
<td>Medicine 2</td>
<td>a Physical Diagnosis</td>
<td>51</td>
<td>1.0</td>
</tr>
<tr>
<td></td>
<td>b Symptomatology</td>
<td>34</td>
<td>1.0</td>
</tr>
<tr>
<td>Neuro-Psychiatry 2</td>
<td>a General Psychology</td>
<td>17</td>
<td>0.5</td>
</tr>
<tr>
<td>Obstetrics 2</td>
<td>a Physiology</td>
<td>34</td>
<td>1.0</td>
</tr>
<tr>
<td>Pediatrics 2</td>
<td>a Diseases of Newborn</td>
<td>17</td>
<td>0.5</td>
</tr>
<tr>
<td>Radiology 2</td>
<td>a Principles of Roentgenological Diagnosis</td>
<td>17</td>
<td>0.5</td>
</tr>
</tbody>
</table>

Total hours of semester: 561
Total credit hours: 18
Total hours of second medical year: 1.05

¹ A "credit hour" in the College of Medicine is based upon a factor of 27.7 hours attendance per week at regularly scheduled lecture, laboratory, or clinical periods during 17 weeks of a semester.
## THE COLLEGE OF MEDICINE

### THIRD MEDICAL YEAR

**FIRST AND SECOND SEMESTERS**

<table>
<thead>
<tr>
<th>Course</th>
<th>Subject</th>
<th>Lecture Hours</th>
<th>Clinic Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Internal Medicine 3</td>
<td>a Physical Diagnosis (1st semester)</td>
<td>102</td>
<td>34</td>
</tr>
<tr>
<td></td>
<td>b Fundamentals of Medicine</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>c Clinical Clerk</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>d Hospital and Dispensary Clinic</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>e Therapeutics (2nd semester)</td>
<td>17</td>
<td></td>
</tr>
<tr>
<td>Pathology 3</td>
<td>a Hygiene (2nd semester)</td>
<td>34</td>
<td></td>
</tr>
<tr>
<td></td>
<td>b Clinical Pathology (1st semester)</td>
<td>51</td>
<td>102</td>
</tr>
<tr>
<td></td>
<td>c Hospital Laboratory</td>
<td>32</td>
<td></td>
</tr>
<tr>
<td>Pediatrics 3</td>
<td>b Infant Feeding (1st semester)</td>
<td>17</td>
<td>17</td>
</tr>
<tr>
<td></td>
<td>c Communicable Diseases (2nd semester)</td>
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<td>c Psychiatry (2nd semester)</td>
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<td>a Fundamentals</td>
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<td>c Hospital Clinics</td>
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<td>b Pathology of Pregnancy</td>
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<td></td>
<td>c Clinical Clerk</td>
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<td>d Gynecology</td>
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<tr>
<td>Radiology 3</td>
<td>b Principles of Radiotherapy and Physical Therapy (1st semester)</td>
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Total hours of Third Medical Year ................................ 1,034
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<th>Course</th>
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<td>e Tropical Medicine (2nd semester)</td>
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<td>f Medical Review (2nd semester)</td>
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<td>b Hospital Clinic</td>
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<td></td>
<td>c Clinical Anatomy (1st semester)</td>
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<td>d Fractures and Dislocations</td>
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<td>b Out-Call Deliveries</td>
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<tr>
<td>Medical Jurisprudence 4</td>
<td>(First semester)</td>
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<tr>
<td>Electives (Required)</td>
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Total hours of Fourth Medical Year: 965
COURSES OF INSTRUCTION

In the following departments, courses numbered la, b, c, etc., are given in the first medical year; courses numbered 2a, b, c, etc., in the second medical year; courses numbered 3a, b, c, etc., in the third medical year; courses numbered 4a, b, c, etc., in the fourth medical year. Courses numbered 300 carry graduate credit. Roman I indicates courses offered the first semester and II, the second semester.

DEPARTMENT OF ANATOMY

Professors Poynter (Chairman), Willard, Latta (Secretary), Assistant Professors R. R. Best, Grodinsky, Holyoke, Instructors Snider, Graduate Assistants

In this department instruction is given in gross anatomy, histology, organology, embryology, and neurology. The work of the department extends through the first medical year.

All instruction is based on laboratory work carried out under the supervision of the staff. Lectures covering subjects of broad morphological significance are given before the entire class, but for the discussion of details, in conjunction with laboratory work, the class is subdivided into small groups. Every effort is made to correlate the work in gross and microscopic anatomy.

I. Anatomy.—
   a. Gross—Dissection of Upper Extremity.—Total 126 hours, second eight weeks. I.
   b. Gross—Dissection of Head and Neck.—Total 127 hours. II.
   c. Gross—Dissection of Torso.—Total 102 hours. II.
   d. Gross—Dissection of Peritoneum and Lower Extremity.—Total 85 hours. II.

The above courses cover dissection of the entire body. This work is carried out in groups of four, each group being assigned a separate room. From time to time table demonstrations and quizzes are required. Through this table teaching the student's proficiency is increased and calibration of individual progress is made possible.

e. Embryology.—Brief survey of the fundamental facts of vertebrate development and their application to the problem of human morphogenesis and histogenesis. The work on general development is based on the study of the chick and pig; in organology this material is largely supplemented with human tissues. Recitations, lectures, and laboratory. Total 120 hours. I.

f. Microscopic—Histology.—A systematic study is made of typical preparations illustrating the microscopic structure of the various fundamental tissues of the body. These are furnished ready for study except in a few cases where fresh and teased preparations are used. Human tissues are largely used, supplemented by other mammalian tissues, especially where characteristic structure is better shown in that form. Lectures, quizzes, and laboratory. Total 88 hours. I.

g. Microscopic—Organology.—The application of histological methods to the study of the organ systems of the body. An individual loan collection representing the best obtainable human material is furnished each student. This is supplemented by other mammalian material and a large number of special demonstrations. The blood-forming organs and nervous system including sense organs are included in other courses. Lectures and laboratory. Total 90 hours. II.

h. Microscopic—Neurology.—The gross and microscopic anatomy of the nervous system including sense organs. Study is made of the human brain by means of gross dissection, gross and microscopic sections, gross and microscopic study of the eye, and other sense organs by specially prepared demonstrations. Text and lectures aim to integrate the details of laboratory study into functional systems applicable to later physiological and clinical studies. Lectures and laboratory. Total 114 hours. II.

Anatomy—Elective.—

300. Research.—Facilities are available for research on special problems within the field of the department, such work leading to graduate degrees under the rules of the Graduate College of the University.

301. Seminar.—Literature reviews and reports of progress of research in the special fields of investigation conducted by graduate students.
DEPARTMENT OF BIOCHEMISTRY

Professor Morgulis (Chairman), Instructor Eppstein, Graduate Assistant

The aim of the instruction in biochemistry is to acquaint the student with the elementary facts of this science with special reference to their application to the problems of clinical medicine. Much stress is laid on training in the necessary technic and the laboratory work affords the students ample opportunity to learn the theory and practice of various biochemical methods.

To further supplement the elementary instruction advanced courses of study are offered to meet the needs of those who desire to extend their study and research in the application of the principles and methods of biochemistry to problems of both clinical and scientific medicine.

The courses given in the Department of Biochemistry presuppose preparation in inorganic, in organic, and in analytical chemistry, and are designed: (1) To give fundamental training in physiological chemistry as required in the regular curriculum of the medical student; (2) to afford students, not candidates for the degree of Doctor of Medicine, the means for obtaining the necessary credits for the degrees of Master of Arts and Doctor of Philosophy; (3) to extend the facilities of the laboratory for special work in selected topics to physicians and students independently of the requirements for a degree. All students who are candidates for a degree are expected to attend Course 2, unless the content of this course has been covered in an acceptable manner elsewhere.

2. Biological Chemistry.—
   a. Physical Chemistry.—In this course various physiological and pathological problems are studied from the point of view of the principles of physical chemistry. Total 84 hours. First six weeks; five lectures and nine hours of laboratory work per week. I.
   b. Biological Chemistry.—Course 2a continued and covers: (a) Descriptive biochemistry, dealing with the composition of biological materials; (b) dynamic biochemistry, dealing with the action of enzymes, metabolism, dietetics, urine secretion. Various methods for blood and urine analysis are taken up in the practical work of this course, and metabolism experiments carried out by the students constitute an important feature of the laboratory experience. Total 154 hours. Remaining eleven weeks; five lectures and nine hours of laboratory work per week. I.

Biological Chemistry—Elective.—

300. Research.—Subjects for investigation and hours to be arranged individually.

301. Seminar.—Literature reviews and reports of progress of research in the special fields of investigation conducted by graduate students.

DEPARTMENT OF DERMATOLOGY AND SYPHILOLOGY

Professor Tomlinson (Chairman), Assistant Professors Cameron, Wilson

A thorough foundation in dermatology and syphilology is laid by lectures, quizzes, and demonstrations. At the University Dispensary the students are brought in personal contact with patients of whom they take entire care under the supervision of the attending physician. A large and carefully selected collection of plates and photographs is available for lantern use.

3a. Dermatology.—Clinical demonstration of patients with the various skin lesions, together with lectures and quizzes upon etiology, pathology, and treatment. One hour weekly. Total 17 hours. II.

4. Dermatology and Syphilology.—
   a. Dispensary Clinic.—Lectures and clinics supplementary to Dermatology 3, with emphasis placed on the diagnosis and treatment of the more common dermatoses. Demonstration of the various clinical manifestations of syphilis, with discussion of diagnosis and principles of treatment. One hour weekly. Total 17 hours. I.
b. Dispensary.—Four weekly two-hour clinics are held at the University Dispensary. Fourth-year students are assigned to these clinics for practical experience in the diagnosis of skin diseases and the treatment of syphilis. Four hours weekly. Total 20 hours. I, II.

m. Electives.

DEPARTMENT OF INTERNAL MEDICINE

Professors Bliss (Chairman), Skinner (Emeritus), Associate Professors Allen, Conlin, Hall, Pratt, Assistant Professors Bean, Dunn, Kirk, MacQuiddy, McCarthy, Mason, Moody, Moser, Niehaus, Rubnitz, C. Q. Thompson, W. Thompson, Instructors M. C. Andersen, Beber, G. N. Best, Cloyd, Margolin, Nickum, Prichard, Sharpe, Simmons, C. E. Thompson, Assistant Instructors Frandsen, R. G. Lewis, Clinical Assistants Christlieb, McCutchan, Wright

2. Internal Medicine.—
   a. History Taking and Physical Examination.—Examination of the heart and lungs follows closely the methods recommended in circulars 20 and 21, W.D., S.G.O. 1917. The class is divided into sections of not more than twelve and, for practical work, each section is further divided into groups of three. The moving picture, The Diagnosis of Tuberculosis, produced by the Instruction Laboratory of the Army Medical School, is shown in this course. One hour lecture, two hours demonstration and practice. Total 51 hours. II.
   b. Symptomatology.—Lecture and quiz course. The essential principles of medicine, the physiology and clinical interpretation of some of the more common symptoms. Two hours weekly. Total 34 hours. II.

3. Internal Medicine.—
   a. Physical Diagnosis.—Class is divided into groups, each with its instructor. The groups are so alternated that every student comes in contact with each instructor. Patients are selected both from the dispensary and the hospital, and an effort is made to follow as closely as possible the lectures in junior medicine. In proper sequence the modifications of physical examinations, essential in pediatrics, are shown. Two-hour clinic. Total 34 hours. I.
   b. Fundamentals of Medicine.—This course consists of a series of special lectures on important subjects of medicine, combined with small group quiz sections on textbook assignments. One lecture and two quizzes weekly. Total 102 hours. I, II.
   c. Clinical Clerk.—Assignment to clinical cases in the hospital for complete history, physical examination, laboratory tests, progress notes, and presentation at regular staff rounds and clinics. Two groups of ten students each are assigned to the University Hospital and County Hospital for a period of nine weeks, seven hours weekly. Total 63 hours. I, II.
   d. Hospital and Dispensary Clinics.—Presentation of selected cases to illustrate diagnosis and treatment. Two hours weekly. Total 68 hours. Optional for second-year medical students. I, II.
   e. Therapeutics.—A course in general principles of treatment of disease, demonstration of the clinical use of important drugs, prescription writing, treatment of emergencies of medicine. One hour weekly. Total 34 hours. Second semester, third medical year. First semester, fourth medical year.

4. Internal Medicine.—
   a. Dispensary.—Regular assignment to dispensary clinic, where senior students are given assignment and responsibility in the diagnosis and treatment of ambulant patients of the type seen in the office. Eight hours weekly. Total 96 hours. I, II.
   b. Out-Call.—Fourth-year students are assigned to answer calls requiring a visit to the homes, when the patients are unable to attend the dispensary. Daily supervision is maintained and home visits are made by the attending staff on all difficult or serious cases. Sixteen hours weekly. Total 128 hours. I, II.
c. Hospital Clinic.—Presentation of selected cases from the hospital service. Two hours weekly. Total 68 hours. I, II.

c. Tropical Medicine.—Distribution, etiology, diagnosis, and treatment of such tropical diseases as are of practical importance to American physicians. The endemiology and epidemiology of such diseases with the general and special sanitary measures adapted to the prevention, control, and suppression of the same. One hour weekly. Total 17 hours. II.

d. Medical Review.—Review of medicine based upon current literature and systematic presentation of diseases. Reference reading assignments and abstracting of recent articles. One hour weekly. Total 17 hours. II.

m. Electives.

DEPARTMENT OF MEDICAL JURISPRUDENCE
Instructors Thomas, Hascall, Spier

4. Medical Jurisprudence.—The course in Medical Jurisprudence has for its purpose the presentation of medico-legal relationships in order that the student may be familiar with that increasingly pertinent phase of professional life and practice. This course is a comprehensive survey of the medico-legal field and a detailed analysis and study of that science which applies the principles and practice of medicine to the elucidation and settlement of legal questions which arise in every-day professional practice as well as in courts of law.

Physicians’ contracts, general medico-legal relations, identity and survivorship, medical legislation, expert testimony, privileged communications, malpractice, and the physician’s status on quasi-judicial commissions and boards are some of the subjects discussed. Total 17 hours. I.

DEPARTMENT OF NEURO-PSYCHIATRY
Professors G. A. Young (Chairman), Associate Professor Wigton, Assistant Professors A. E. Bennett, R. H. Young

The course in nervous and mental diseases which extends throughout the third and fourth medical years aims primarily at giving the student the ability to make a comprehensive neurologic or psychiatric examination of any patient. This is held to be of essential importance and implies a working knowledge of the anatomy and physiology of the nervous system and of the symptoms resulting from pathological conditions affecting the principal centers and tracts. Secondly, through the rich clinical material of the University Hospital and of the psychiatric ward of both the University Hospital and the Douglas County Hospital, it gives ample opportunity for first hand contact with cases illustrative of the chief types of organic and functional nervous diseases and of the psychoses.

2. Neuro-Psychiatry.—
   a. Psychology.—A course in medical psychology leading directly to psychiatry. One hour weekly. Total 17 hours. II.

3. Neuro-Psychiatry.—
   b. Neurology.—Lectures and quiz-lectures covering methods of case taking, etiology, pathology, symptomatology, and treatment of the organic and functional nervous diseases. Total 17 hours. I.
   c. Psychiatry.—Lectures and quiz-lectures on the psychoses and feeble-minded states; etiology, symptomatology, and treatment. Total 17 hours. II.
   d. Clinical Clerk.—Cases from the University Hospital and Douglas County Hospital neuro-psychiatric departments are assigned to third-year students for complete case study and presentation before clinics. Six hours weekly. Total 24 hours. I, II.

4. Neuro-Psychiatry.—
   a. Hospital Clinic.—In this clinic, cases of neurologic and psychiatric types are presented for the purpose of demonstrating the main forms of neurologic and psychiatric disorders and to allow a discussion of their treatment and their relations to the field of general medicine. Two hours weekly. Total 68 hours. I, II.
b. Dispensary.—Clinics are held at the Dispensary to which fourth-year students
are assigned for practical work in the diagnosis and treatment of ambulant patients.
A special clinic is held on the sub-normal child. Four hours weekly. Total 16 hours.
I, II.
m. Electives.

DEPARTMENT OF OBSTETRICS AND GYNECOLOGY

Professors Sage (Chairman), Pollard (Emeritus), Taylor, Associate Professor Waters,
Assistant Professors McGoogan (Secretary), Moon, Instructors Collins, Findley,
Hoffman, Stastny, Stearns, Assistant Instructor H. E. Anderson, Clinical
Assistants M. J. Clark, Redgwick

The instruction in Obstetrics and Gynecology consists largely of practical demonstra-
tions in the University Hospital, the Dispensary, and the Out-Call Service. In these
clinics the student is trained in clinical diagnosis and treatment. The University Hos-
pital affords abundant opportunity for the assignment of obstetric cases to members
of the third-year medical class under direction. The prenatal clinic at the Dispensary pro-
vides an excellent opportunity for both third- and fourth-year students to learn the
proper care of the expectant mother. The out-call or home delivery service is limited
to fourth-year medical students under direct supervision of a member of the obstetric
staff. Complete written reports of all cases attended are required, and each student
must have a record of twelve cases of confinement before graduation.

2. Obstetrics and Gynecology.—
a. Physiology of Pregnancy.—A study of the anatomy and physiology of the
female genital organs in their relation to normal pregnancy, labor, and the puerperium.
Physiology and care of the newborn child. Two hours weekly. Total 34 hours. II.

3. Obstetrics and Gynecology.—
b. Pathology of Pregnancy.—Abnormalities and complications of pregnancy,
labor, puerperium, and the newborn child. Two hours weekly. Total 68 hours. I, II.
c. Clinical Clerk.—A third-year student is assigned to each obstetric case enter-
ing the University Hospital and is required to follow the progress of labor, assist at
delivery, and maintain a complete record until discharge from the hospital. Six such
case records are required. As a correlation of maneuvers observed on actual cases in
the delivery rooms, two hours weekly are used in practice on the manikin. Six hours
weekly. Total 24 hours. I, II.
d. Gynecology.—The study of surgical conditions affecting pregnancy and the
postpartum period. Lacerations, infections, relaxations, malpositions, and tumors affect-
ing the uterus. One hour weekly, lecture or clinic. Total 34 hours. I, II.

4. Obstetrics and Gynecology.—
a. Dispensary.—Fourth-year students are assigned to the Dispensary prenatal
clinic and the gynecology clinic, where they assist in prenatal care and gynecologic
examination and treatment. Ten hours weekly. Total 36 hours. I, II.
b. Out-Call Deliveries.—Two fourth-year students are assigned to each home
delivery. Their work is carefully supervised by a member of the staff, and they are
assisted in the home by a competent nurse. Each case is carefully followed during the
post-natal period and a final report submitted. Six deliveries are required of each
student. Approximate total time 24 hours.
c. Hospital Clinic.—This course covers pathological conditions arising from or
related to the puerperium. Total 34 hours. I, II.
m. Electives.

DEPARTMENT OF OPHTHALMOLOGY

Professor Stokes (Chairman), Associate Professors J. H. Judd, Potter, Assistant Professors
Gifford, Rasgorshek, Instructors Morrison, Steinberg

3. Ophthalomology.—
a. Medical Ophthalomology.—Didactic lectures in medical ophthalomology, errors
of refraction, external and internal ocular diseases illustrated with slides, drawings, etc.;
a course designed to meet the needs of students looking forward to general practice.
One hour weekly. Total 17 hours. II.

b. Clinical Clerk.

4. Ophthalmology.—
a. Dispensary.—Students are regularly assigned to the Dispensary Clinic for practical experience in the diagnosis and treatment of eye conditions. Eight hours weekly. Total 32 hours. I, II.

m. Electives.

DEPARTMENT OF ORTHOPAEDIC SURGERY

Professors Schrock (Chairman), Lord (Emeritus), Assistant Professor Johnson,
Instructor Hamsa, Clinical Assistant Tipton

3. Orthopaedic Surgery.—
a. Lecture Clinic.—Disease of bones and joints, synovial membranes and bursae.
Congenital, acquired, and disease producing deformities. Prevention of deformities and dystrophies with principles of treatment. Illustrated by photographs, slides, etc. One hour weekly. Total 17 hours. II.

b. Clinical Clerk.—Students are assigned to hospital cases for complete history, physical examinations, and progress notes. Total 9 hours. I, II.

4. Orthopaedic Surgery.—
a. Dispensary.—Two weekly two-hour clinics are held at the Dispensary, to which fourth-year students are assigned for practical work in the diagnosis and treatment of orthopaedic cases. Four hours weekly. Total 8 hours. I, II.

m. Electives.

DEPARTMENT OF OTORHINOLARYNGOLOGY

Professors Wherry (Chairman), Callfas (Emeritus), Potts (Emeritus), Associate Professor Rubendall, Assistant Professors Cassidy, J. C. Davis, Instructors Faier, Haney, D. K. Judd, Romonek, H. B. Stokes, Clinical Assistant Heine

3. Otorhinolaryngology.—
a. Diseases of Ear, Nose, Throat, and Larynx.—Use of head mirror taught in normal conditions. Student familiarized with different appearances of ear drums and conditions underlying them. Common diseases of ear and mastoid. Principles of functional examination of ear. Physiology, general principles of pathology, diagnosis, and treatment of the more frequent diseases of the nose, throat, and larynx. One hour weekly. Total 17 hours. II.

b. Clinical Clerk.—Third-year students are assigned to University Hospital cases for complete history, physical examinations, and progress notes. Total 6 hours. I, II.

4. Otorhinolaryngology.—
a. Dispensary.—Clinics are held three times weekly at the University Dispensary. Fourth-year students are regularly assigned for practical work in the diagnosis and treatment of ear, nose, and throat diseases. Conferences are held regularly during these hours. Six hours weekly. Total 24 hours. I, II.

m. Electives.

DEPARTMENT OF PATHOLOGY AND BACTERIOLOGY

Professor Eggers (Chairman), Associate Professors Weinberg, Tollman, Assistant Professors Gunderson, Wyandt, Instructors Baker, Bayliss, Le Mar.
Graduate Assistants

1. Bacteriology.—
a. Medical Bacteriology.—A lecture and laboratory course on the cultural characteristics, pathogenic properties, etc., of bacteria in general, with special reference to those of importance in disease. Total 176 hours. I.

2. Pathology.—
a. General Pathology.—A lecture and laboratory course on the study of general disease processes. It comprises a study of the general principles of pathology; a study
of disease processes in detail, in classroom and laboratory. 119 hours laboratory, 85 hours class work. Total 204 hours. II.

3. Clinical Pathology.—
   b. Clinical Pathology.—A study of systemic disease, with emphasis on correlation of pathology and symptoms. The case history method is used, with presentation of gross and microscopic pathology. Nine hours weekly: 51 hours lecture, 102 hours laboratory. Total 153 hours. I.
   c. Hospital Laboratory.—Regular assignment on clinical clerk service for practical work in laboratory diagnostic tests under supervision. Eight hours weekly. Total 32 hours. I, II.

3. Public Health.—
   a. Hygiene.—The relationship between water, food, air, soil, waste disposal, etc., and the development of disease in both urban and rural conditions. Reports of inspection of industrial and public service plants and methods. Total 34 hours. II.

4. Pathology.—
   a. Necropsies.—Fourth year students are assigned to necropsies in succession for study and later presentation to the class. Total 20 hours. I, II.

4. Public Health.—
   b. Public Health Administration.—The relationship between the practicing physician and both official and non-official health agencies in hospital and home practice. The preparation of social histories. The relationship of environmental conditions to disease and therapeutics. Special methods of preventive medicine as quarantine, immunization, and disinfection. Two hours weekly. Total 34 hours. I.

Pathology and Bacteriology—Elective.—
300. Research.—Work for specially qualified students, either in advanced laboratory procedure or in special problems.
301. Seminar.—Literature reviews and reports of progress of research in the special fields of investigation conducted by graduate students.

DEPARTMENT OF PEDIATRICS

Professors Hamilton (Chairman), Moore, Assistant Professor Henske, Instructors C. F. Bantin, E. W. Bantin, G. L. Clark, Jahr (Secretary), Robertson, Weigand

2. Pediatrics.—
   a. Diseases of Newborn.—Growth, development, and diseases of newborn. Lectures and clinics. One hour weekly. Total 17 hours. II.

3. Pediatrics.—
   b. Infant Feeding.—A study of nutrition and diseases of metabolism in the infant, with special reference to infant feeding. Two hours weekly. Total 34 hours. I.
   c. Communicable Diseases.—Lectures and quizzes on the communicable diseases with special clinics when cases are available for demonstration. One hour weekly. Total 17 hours. II.
   d. Clinical Clerk.—Students are assigned to University Hospital cases for complete history, physical and laboratory examinations, with requirement of progress notes and presentation at staff rounds and clinics. Six hours weekly. Total 24 hours. I, II.

4. Pediatrics.—
   a. General Pediatrics.—General course including lectures on: Contagious diseases, nutrition, heart, kidney, diagnosis of health, respiratory diseases, behavior disturbances, minor ailments and emergencies, newborn, skin. One hour weekly. Total 17 hours. II.
   b. Dispensary.—Four weekly two-hour clinics are held at the Dispensary to which fourth-year students are assigned for practical work in the diagnosis and treatment of ambulant cases. All children enter the Dispensary through the pediatric clinics. Special clinics are held each week with post-natal, pre-school, and heart patients. Ten hours weekly. Total 40 hours. I, II.
   m. Electives.
DEPARTMENT OF PHYSIOLOGY AND PHARMACOLOGY

Professors McIntyre (Chairman), Guenther (Emeritus), Associate Professor A. L. Bennett, Assistant Professor Dunn, Graduate Assistants

The general courses in Physiology and Pharmacology stress the fundamental principles underlying living processes. The experimental evidence for present theories is examined and the application of these concepts to the study of abnormal physiology and to pharmacology is emphasized. Special instruction is provided in advanced physiology and pharmacology for students seeking higher degrees.

2. Physiology and Pharmacology.—
   a. Physiology General Course.—Muscle and nerve, central nervous system, circulation, digestion, metabolism, and special senses. Lectures, demonstrations, and conferences. Total 85 hours. I.
   b. Physiology Laboratory Course.—Practical course in conjunction with a. Total 170 hours. I.
   c. Physiology and Pharmacology General Course.—Physiology of the kidney, physiology of the autonomic nervous system, physiology of the action of drugs, endocrinology, the vitamins, and prescription writing. Lectures, demonstrations, and conferences. Total 85 hours. II.
   d. Physiology and Pharmacology Laboratory Course.—Practical course in conjunction with c. Total 102 hours. II.

Physiology and Pharmacology.—Electives.—

300. Research.—By arrangement with the Chairman, Associate Professor Bennett, and Assistant Professor Dunn.

301. Seminar.—Literature reviews and reports of progress of research in the special fields of investigation conducted by graduate students and research workers and fellows.

DEPARTMENT OF RADIOLOGY AND PHYSICAL THERAPY

Professor Hunt (Chairman), Instructor McAvin, Resident Popma, Nurse Anderson

The principles of radiology and physical therapy are presented during the second semester of the second medical year and first semester of third medical year by means of lectures, demonstrations, and conferences. The application and clinical correlation of roentgenologic studies are presented during the third medical year in connection with the clinical clerkship. A weekly tumor clinic is conducted in the department by the tumor study group which provides correlation of clinical manifestations, histopathology, and treatment in the case of individual tumor cases assigned to students in the clinical clerk service.

2. Radiology and Physical Therapy.—
   a. Principles of Roentgenological Diagnosis—One hour weekly. Total 17 hours. II.

3. Radiology and Physical Therapy.—
   b. Principles of Radiotherapy and Physical Therapy.—One hour weekly. Total 17 hours. I.


DEPARTMENT OF SURGERY

Professors Keegan (Chairman, in charge of Neurological Surgery), Brown, Kennedy, Nilsson, Shearer, Associate Professors R. R. Best, H. H. Davis, Rich, Waters, Weinberg, Assistant Professors Bigard, Grodinsky, Hicken, Johnson, Instructors Hanisch, McAvin, McLaughlin, Murray, Quigley

The courses in surgery aim to give the student a thorough understanding of the principles of surgical pathology, surgical diagnosis, surgical indications and treatment, and do not attempt, in the undergraduate courses, instruction in major surgical operative technic. Minor surgical technic is taught in the clinical clerk service and dispensary,
including numerous practical exercises in surgical asepsis. It is intended that the intern service prepare the student to perform such operations as would come to the practitioner as emergencies or in the course of general work. Preparation for the practice of general surgery requires additional post-graduate work as a resident or assistant in surgery.

   a. Fundamentals of Surgery.—A series of special lectures on important subjects of surgery, supplementary to the text. Two hours weekly. Total 68 hours. I, II.
   b. Clinical Clerk.—Students are assigned to University Hospital cases for complete history, physical and laboratory examinations, with requirement of progress notes and presentation at staff rounds and clinics. Six hours weekly. Total 24 hours. I, II.
   c. Clinics.—University Hospital. Presentation of selected cases to illustrate current lectures and textbook assignments. Practical experience in anesthesia and surgical asepsis. One hour weekly. Total 34 hours. I, II.
   d. Surgical Technic.—Bandaging, dressings, drains, sutures, closure of wounds. Local anesthesia. Total 17 hours. II.

   a. Dispensary.—Regular assignment to dispensary clinics where students are given practical experience in the diagnosis and treatment of ambulant patients. Eight hours weekly. Total 32 hours. I, II.
   b. Hospital Clinic.—Presentation of selected hospital cases to illustrate surgical diagnosis, operative indications, and post-operative care. Two hours weekly. Total 68 hours. I, II.
   c. Clinical Anatomy.—Clinical aspects of regional and systemic anatomy by means of lantern slides and lectures. One hour weekly. Total 17 hours. I.
   d. Fractures and Dislocations.—A lecture, quiz, and demonstration course on fractures and dislocations. X-ray diagnosis with application of splints and casts. One hour weekly. Total 34 hours. I, II.

m. Electives.

DEPARTMENT OF UROLOGY

Professor Edwin Davis (Chairman), Assistant Professor Owens, Instructors Adams, Martin, Clinical Assistant Distefano

3. Urology.
   a. Fundamentals of Urology.—Lectures and clinics on diseases of the urogenital system. One hour weekly. Total 17 hours. II.
   b. Clinical Clerk.—Students are assigned to University Hospital cases for complete case study. Total 6 hours. I, II.

4. Urology.
   a. Dispensary.—Two clinics are held each week to which students are assigned for practical experience in the diagnosis and treatment of urogenital diseases. Four hours weekly. Total 12 hours. I, II.

m. Electives.
## Internship Appointments—1937 Seniors

<table>
<thead>
<tr>
<th>Name</th>
<th>University</th>
<th>Home Address</th>
</tr>
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<tbody>
<tr>
<td>Alden, Warren Harrison</td>
<td>Emmanuel Hospital, Portland, Oregon</td>
<td>Grand Island</td>
</tr>
<tr>
<td>Allen, Roy Johnson, B.Sc. in Med. 1935</td>
<td>U. S. Public Health Service, Letterman Hospital, San Francisco, California</td>
<td>Omaha</td>
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<tr>
<td>Almer, Lennart Emmanuel</td>
<td>University of Nebraska College of Medicine Hospital, Omaha</td>
<td>Omaha</td>
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<tr>
<td>Altschuler, Max Gordon</td>
<td>Bushwick Hospital, Brooklyn, New York</td>
<td>Bancroft</td>
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<tr>
<td>Askwig, LeRoy Charles, A.B. 1935, B.Sc. in Med. 1935</td>
<td>St. Joseph's Hospital, Fort Worth, Texas</td>
<td>Elwood</td>
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<tr>
<td>Beagling, Harry Edward, A.B. 1932, B.Sc. 1937</td>
<td>Huntington Memorial Hospital, Pasadena, California</td>
<td>Elwood</td>
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<tr>
<td>Boyer, Richard Coar</td>
<td>University of Nebraska College of Medicine Hospital, Omaha</td>
<td>Omaha</td>
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<tr>
<td>Brown, James Matthews, B.Sc. in Med. 1936</td>
<td>Rochester General Hospital, Rochester, New York</td>
<td>Omaha</td>
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<td>Buhl, Clayton Edwin, B.Sc. in Med. 1937</td>
<td>University College of Medicine Hospital, Omaha</td>
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<td>Buis, Lester James, A.B. 1933, B.Sc. 1934</td>
<td>Pender County Hospital, Indiana</td>
<td>Pender</td>
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<td>Burroughs, Ruth Reuben, B.Sc. 1934</td>
<td>Methodist Hospital, Omaha</td>
<td>Mitchell</td>
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<td>Cash, George Colling, B.Sc. in Med. 1935</td>
<td>St. Vincent's Hospital, Portland, Oregon</td>
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<td>Chandler, Willard Joseph, B.Sc. in Pharm. 1931</td>
<td>St. Vincent's Hospital, Phoenix, Arizona</td>
<td>St. Paul</td>
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<tr>
<td>Charlton, George Paul</td>
<td>Flower-Fifth Avenue Hospital, New York City, New York</td>
<td>Norfolk</td>
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<td>Chatfield, Raymond Cornell, B.Sc. in Med. 1937</td>
<td>St. Luke's Hospital, Denver, Colorado</td>
<td>Delaware Hospital, Wilmington, Delaware</td>
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<td>Cheff, Donald Walker, B.Sc. in Med. 1934</td>
<td>Indiana Hospital, Cleveland, Ohio</td>
<td>Cleveland</td>
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<td>Coleman, William Richard, B.Sc. in Med. 1937</td>
<td>Methodist Hospital, Omaha</td>
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<td>Craig, Donald Orie</td>
<td>Swedish Hospital, Seattle, Washington</td>
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<td>Cunningham, Ralph Thomas, B.Sc. 1936</td>
<td>Clarkson Hospital, Omaha</td>
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<td>Davis, James Zimmiri, B.Sc. 1936, A.M. 1937</td>
<td>St. Louis City Hospital, St. Louis, Missouri</td>
<td>St. Louis University, St. Louis, Missouri</td>
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<td>Dressler, John Barnes, B.Sc. 1933, Municipal University of Omaha</td>
<td>University of Nebraska College of Medicine Hospital, Omaha</td>
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<td>Dunlap, Richard Leonidas</td>
<td>University of Nebraska College of Medicine Hospital, Omaha</td>
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<tr>
<td>Eaton, Wilbur Smith, LL.B. 1925, Notre Dame; A.B. 1922, Howard College</td>
<td>St. Louis City Hospital, St. Louis, Missouri</td>
<td>Omaha</td>
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<tr>
<td>Eggers, Harold Everett, Jr., B.Sc. in Med. 1937</td>
<td>University Hospital, Ann Arbor, Michigan</td>
<td>Michigan</td>
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<td>Enos, Russell William</td>
<td>University of Nebraska College of Medicine Hospital, Omaha</td>
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<td>Farris, Jack Matthews, A.B. 1934, B.Sc. 1936</td>
<td>Methodist Hospital, Omaha</td>
<td>Fort Omaha</td>
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<tr>
<td>Finlayson, Alistair Ian</td>
<td>Southern Pacific Hospital, San Francisco, California</td>
<td>Ravenna</td>
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<td>Goehring, Walter Ernst, B.Sc. in Med. 1937</td>
<td>Methodist Hospital, Omaha</td>
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</tbody>
</table>
Graves, Harold Buffington, B.S. in Med. 1937. Immanuel Hospital, Omaha, Nebraska.


Hamler, John Dayton, B.S. in Med. 1937. Southern Pacific Hospital, San Francisco, California.


Henderson, John Warren, B.S. in Med. 1934; A.M. 1936. Orange County Hospital, Orange, California.

Horwich, Joe Maurice, B.S. in Med. 1935. Cincinnati General Hospital, Cincinnati, Ohio.

Ingham, Charles Gregory, B.S. in Med. 1936. Wayne University, Detroit, Michigan.


Kastl, Karl George, B.S. in Med. 1937. North Bend Hospital, Missoula, Montana.

Kautz, Harold Douthitt, A.B. 1932; University of South Dakota. University of Nebraska College of Medicine, Omaha, Nebraska.


Koser, Don Clare, B.S. in Med. 1934. Charles T. Miller Hospital, St. Paul, Minnesota.

Kos, Clair Michael, B.S. in Med. 1937. Clarkson Hospital, Omaha, Nebraska.

Koser, Don Clare, B.S. in Bus. Adm. 1930. Iowa Methodist Hospital, Des Moines, Iowa.

Krahl, John Bell, B.S. 1935. David City Providence Hospital, Seattle, Washington.

Kroger, Orville Charles, B.S. in Med. 1935. Grand Island University of Nebraska College of Medicine, Omaha, Nebraska.

Le Mar, John Dewey, B.S. in Med. 1932; M.S.C. 1934. University of Nebraska College of Medicine, Omaha, Nebraska.

Le Vine, Robert William, B.S. in Med. 1934. McCook University Hospital, Indianapolis, Indiana.

McDonough, Joseph Francis, B.S. in Med. 1937. Omaha Piedmont Hospital, Atlanta, Georgia.


Marx, Paul Donald, B.S. 1936. Lincoln St. Louis Jewish Hospital, St. Louis, Missouri.

Moore, Ralph Cory, B.S. 1934. St. Mary's Hospital, Portland, Oregon.


Myers, Henry Day, B.S. in Med. 1937. Howells Northwestern Hospital, Minneapolis, Minnesota.


Norquist, Donald McColl, B.S. in Med. 1937. Omaha University of Nebraska College of Medicine Hospital, Omaha, Nebraska.

Panzer, Harold Jay, A.B. 1933; Nebraska Wesleyan University. Lincoln Methodist Hospital, Omaha, Nebraska.

Pine, George Francis, B.S. in Med. 1937. Omaha Immanuel Hospital, Omaha, Nebraska.

Piccas, Nicholas Peter, B.S. 1935. Omaha St. Margaret Memorial Hospital, Pittsburgh, Pennsylvania.

Pope, Lester Junior, B.S. in Med. 1936. Omaha Gorgas Hospital, Ancon, Canal Zone, Panama.

Potter, William Bently, A.B. 1936; B.S. 1937. Lincoln Grady Hospital, Atlanta, Georgia.

Pugsley, George William, B.S. in Med. 1936. Bayard California Hospital, Los Angeles, California.

Rembolt, Raymond Ralph, A.B. 1933. Lincoln Minnesota University Hospital, Minneapolis, Minnesota.

Resnick, William Jay, B.S. in Med. 1935. Omaha University of Nebraska College of Medicine Hospital, Omaha, Nebraska.

Rigg, Robert Rolland, B.S. 1935. Omaha Presbyterian Hospital, Denver, Colorado.


Rosenbladt, William Joseph, Ph.B. 1932; Creighton University. Omaha Covenant Hospital, Omaha, Nebraska.
<table>
<thead>
<tr>
<th>Name</th>
<th>Institution and Location</th>
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<tr>
<td>Ross Miller, Harold Richard</td>
<td>Cleveland City Hospital, Cleveland, Ohio</td>
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<td>Saylor, Louis Franklin</td>
<td>University of Nebraska College of Medicine Hospital, Omaha</td>
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<td>Schmela, Woodrow Warner</td>
<td>Hollywood Hospital, Los Angeles, California</td>
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<td>Schow, Floyd Wayne</td>
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<tr>
<td>Shurtleff, Marcellus Clay</td>
<td>Latter Day Saints Hospital, Salt Lake City, Utah</td>
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<td>Saylor, Louis Franklin</td>
<td>Hollywood Hospital, Los Angeles, California</td>
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<td>Schmela, Woodrow Warner</td>
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<td>Shurtleff, Marcellus Clay</td>
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<td>Sigafus, Rolland Bernard</td>
<td>U.S. Public Health Service, Seattle, Washington</td>
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<td>Slaughter, Guy Peter, B.Sc. in Med.</td>
<td>Pierce County Hospital, Tacoma, Washington</td>
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<td>Thompson, Dorothy Helen, B.Sc. in Med.</td>
<td>Omaha</td>
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<tr>
<td>Truesdell, Frank Blaine, B.Sc. in Med.</td>
<td>New England Hospital for Women and Children, Boston Massachusetts</td>
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<td>Vroman, Donald Clay, B.Sc. in Med.</td>
<td>Omaha</td>
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<tr>
<td>Walker, Glenn Harvey</td>
<td>Starling-Loving Hospital, Columbus, Ohio</td>
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<tr>
<td>Williams, Robert Edward, B.Sc.</td>
<td>Fremont</td>
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<tr>
<td>Winship, Theodore O., A.B.</td>
<td>City Hospital of Akron, Akron, Ohio</td>
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<tr>
<td>Woolcott, Floyd Lem, Jr., A.B.</td>
<td>Lincoln</td>
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<td>Emanual Hospital, Portland, Oregon</td>
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### Register of Students—1937-38

#### IN OMAHA

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<tr>
<th>Fourth Medical Year</th>
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<tbody>
<tr>
<td>Anderson, John Sheridan</td>
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<td>Ayers, LeRoy Judson</td>
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<td>Batty, John Langdon</td>
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<td>Bayles, Wesley Lyman</td>
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<td>Blom, Christian Ursin</td>
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<td>Cedarblade, Vincent Gustave</td>
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<td>Colbert, Morgan Russell</td>
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<td>Currier, Wilber Dale</td>
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<td>Day, William Albert</td>
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<td>DeLong, Henry Livey</td>
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<td>Diamond, Leo L.</td>
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<td>Donnerberg, George Raymond</td>
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<td>Emmor, Maxwell</td>
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<td>Hawlick, Garfield Francis</td>
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<td>Heilman, Robert Max</td>
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<td>Hill, Walter Ray</td>
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<td>Holmes, William Esburn</td>
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<td>Johnson, Elip Kaar</td>
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<td>Johnson, Franklyn Henning</td>
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<td>Karrer, Rush William</td>
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<td>Neely, Orvis A.</td>
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<td>Richards, Francis Lee</td>
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<td>Taylor, Ross Van Valkenburg</td>
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<td>Thompson, Ronald Wilmer</td>
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<td>Topp, Olaf Winther</td>
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<td>Warrick, Floyd Glenn</td>
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<td>Weber, Clarence Roland</td>
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<td>Westerbeck, Murray Otto S.</td>
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<td>Whirlton, Clarence Swan</td>
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### Third Medical Year

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<tbody>
<tr>
<td>Andrews, Harry Hubbard</td>
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<td>Barber, Herbert Gordon</td>
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<td>Barton, Robert Eli</td>
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<td>Beckwith, Harry Spencer</td>
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<td>Binkley, Edward Lloyd, Jr.</td>
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<td>Blair, James Berl</td>
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<td>Blair, Ralph Ledwich</td>
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<td>Brewer, Thomas Wayne</td>
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<td>Brott, Clarence Raymond</td>
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<td>Bruce, Woodward William</td>
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<td>Bucholz, Donald John</td>
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<td>Burr, Neil Maynard</td>
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<td>Bush, Stuart Kahni</td>
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<td>Butler, Norville Lawrence</td>
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<td>Cannon, Edward Michau</td>
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<td>Cerv, Ernest Anthony</td>
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<td>Cinzel, Adolph Bohumil</td>
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<td>Corp, Keith W</td>
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<td>Crellin, Henry Graham</td>
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<td>Davies, Louis T.</td>
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<td>Dilworth, Warren Miller</td>
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<td>Drake, Ellet Hatler</td>
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<td>Everett, Marjorie Marie</td>
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<td>Ewing, Ben Edward</td>
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<td>Feuston, Henry Douglas</td>
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<td>Freed, Albert Edward</td>
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<td>Goss, Charles Craig</td>
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<td>Gilmore, John Edwin</td>
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<td>Hankins, Charles Robert</td>
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<td>Harris, Albert Malzahn</td>
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<td>Hawkins, Robert Crosett</td>
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<td>Luckey, Clarence Andrew</td>
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<td>Melcher, Willy Arthur</td>
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<td>Moore, Harlon Emerson</td>
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<td>Musselman, Merle McNeil</td>
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<td>Neibrief, Milton Nelson</td>
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<td>Schmidt, Rudolph George</td>
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<td>Scholz, Robert Harry</td>
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</table>
SECOND MEDICAL YEAR

Armbrust, Walter A. G. ........................................ Omaha
Ayres, Maurice Joyce ........................................ Omaha
Baker, Wallace Edgar ........................................ Boise, Idaho
Barr, Joseph Harold ......................................... Pawnee City
Bayless, Milward William ................................ Omaha
Brenan, Jacob James ......................................... Milford
Brinkman, Herman Henry ................................ Omaha
Brown, Kenneth Winston ........................................ Fairmont
Carpenter, Wayne Webster .................................. Beatrice
Casebeer, Robert Lawrence .................................... York
Chaffin, Sydney Alexander .................................... Omaha
Civin, W. Harold ............................................ Omaha
Cochran, Robert Morris ...................................... Lincoln
Cook, Alfred Lyman ............................................. Omaha
Corde, Robert Francis ...................................... Omaha
Cullen, Richard Corbin ........................................ Lincoln
Day, Robert Jerome ............................................ Omaha
Deakin, Thomas William ...................................... Omaha
Dewey, Wilford C. .............................................. Lincoln
Eagle, Frank Lewis .............................................. Fremont
Eason, Edith ...................................................... North Bend
Farner, John Edgar ............................................ Stuart
Felt, Robert Henry .............................................. Norfolk
Foster, Carl William ........................................... Doniphan
Faqua, Philip Andrew .......................................... Hemingford
Gamble, Jess Franklin .......................................... Ft. Omaha
Glen, William Vincent ......................................... Falls City
Grabow, Henry Chris ........................................... Omaha
Hasske, Oscar William ........................................ Omaha
Hardy, Arthur Boydston ...................................... Sidney
Heinke, John Paul ................................................ Nebraska City
Heise, Carl Augustus, Jr. ..................................... Missouri Valley, La.
Heitman, Claire Elmo ........................................... Lincoln
Herrmann, Victor Adam ....................................... Osceola
Hillyer, Robert Antoine ...................................... Lincoln
Johnson, Frank Gilbert ........................................ Randolph
Jones, Willard Everett ........................................ Wymore
Kantor, Julius Max .............................................. Cheyenne, Wyo.
Katz, Abraham Maurice ........................................ Omaha
Knautz, Harry Alvin ............................................. Mahaska, Kans.
Knox, John Frederick .......................................... Omaha

Krieg, Jacob, Jr. ......................................................... Henry
Logan, William Pierce .......................................... Omaha
Long, Robert Stanley .......................................... Grand Island
Lynn, Vincent Sieber ........................................... Ohiowa
McBee, Raymond Cronin .................................... Lawrence
McWhorter, Stuart .............................................. Hastings
Maningum, Thomas ............................................. Omaha
Martin, Gordon Mathier ..................................... Lincoln
Morgan, Robert James .......................................... Omaha
Morron, Cynthia Trammell ................................... Omaha
Newcomb, Wendell James ..................................... Omaha
Nuerberger, Robert Earle ................................... Wakefield
Nye, Dan Atchison .............................................. Lincoln
Oppen, Ralph Lyle ............................................. O'Neill
Panzer, Edward J. C. ............................................. Omaha
Penry, Richard Earl ............................................ Belgrade
Phillips, Beth Roberta ......................................... Omaha
Randall, Charles Clark ........................................ Lincoln
Richards, Charles Erskine .................................. David City
Rosenbaum, William M. ........................................ Omaha
Ruzicka, Lawrence Joe ......................................... Clarkson
Shamberger, Alfred Harold .................................. Scottsbluff
Slaughter, Howard Clarence ................................ Norfolk
Slaughter, John Clark ............................................ Norfolk
Sommer, Melvin Lawrence .................................. Omaha
Sweeney, Clarence Thomas .................................. Hance
Spradling, Richard Lee ....................................... Lincoln
Stewart, Frank Ashbrook ...................................... Edgar
Stewart, Hubert Clare ......................................... Eagle
Stuart, Charles Campbell ...................................... Omaha
Surber, Estel George .......................................... Aurora
Taylor, Willis Heacock, Jr ...................................... Omaha
Teal, Phillip Russell ........................................... Omaha
Townley, Robert Hadley ....................................... Kearney
Trumbull, Merlin Lee .......................................... Lincoln
Vesely, Francis ..................................................... Bennet
Vonderhaar, Karl Joseph ..................................... Hebron
Wagner, Jacob C. ................................................. Minatari
Wolf, Clare Coulter ............................................... Lincoln

FIRST MEDICAL YEAR

Alder, Verne Hugo ............................................. Pierce
Almaguer, Adrian Laurencis .................................... Lincoln
Anselm, Vernon Krueger ....................................... David City
Anderson, Leo Eugene ......................................... York
Babbitt, Clifford Howard ..................................... Minidoka
Bach, Stanley Monroe .......................................... Blair
Bailey, Nicholas Edward ..................................... Broken Bow
Barr, Carl Cecil ...................................................... Tilden
Bartos, Paul Victor ............................................. Omaha
Biglin, Robert Frank ............................................. O'Neill
Bizzard, Eldon Charles ........................................ Aurora
Brown, John Andrew III ...................................... Washington, Kans.
Bunting, Louis George ........................................ Belvidere
Chadforder, Darrett Gleny .................................... Omaha
Chamberlain, Robert Ward .................................... Grand Island
Chism, Carl Eugene ............................................ Valparaiso
Clark, Jean ......................................................... Chappell
Clover, Alfred Everett ....................................... Broken Bow
Cowlishaw, Howard C. ....................................... Kemmerer, Wyo.
Crook, Guy Herman ............................................ Fills City
Dierberger, Lloyd Samuel .................................... Lincoln
Drew, Roger Trafford ............................................ Lincoln
Embick, James Franklin ....................................... Laurel
Essel, Jack Leslie ................................................ Omaha
Finley, Robert Hubert, Jr. ..................................... Omaha
Flebbe, Richard Arthur ............................................ North Platte

Friesen, Harold F .................................................. Henderson
Gessford, Howard Henderson ................................ Arthur
Goos, Frank Arthur .............................................. Omaha
Gray, William, Jr. ............................................... Omaha
Greenhit, Frank Stewart ....................................... Lincoln
Grishley, Lawrence James .................................... Lincoln
Gries, Donald Ferdinand ...................................... Lincoln
Hansen, Henry Peter ............................................ Fremont
Hardt, Leonard George ........................................ Hastings
Hasty, Robert Charles ............................................ Lincoln
Hill, Kathryn Dodds ........................................... Council Bluffs, Ia.
Hirschmann, Jerome Herbert ................................ Omaha
Hollister, William Gray ........................................ Lincoln
Holmes, Lee Chadder ........................................... Hardville
Hubler, David Meredith ....................................... Omaha
James, Loren Edwin ............................................... Cozad
Johansen, Ivan Kristian ........................................ Lincoln
Kerr, Harry Harper ............................................... Arkel
Kohtsky, Joseph John .......................................... Gering
Kovar, Jerome Dean ............................................. Howells
Kriz, Robert Lee ..................................................... Lincoln
Lighthipe, Kenneth A. .......................................... Cret
McFie, John Lewis .............................................. Chappell
McGinnis, Kenneth Tidyman .................................. Ord
Magher, James Thomas ......................................... Cedar Bluffs
Mann, Keene Edward-Wells ................................... Scottsbluff
THE COLLEGE OF MEDICINE

Marsh, Charles Lafayette.................. Valley
Matson, Guy Melvin, Jr. ................. Omaha
Merrell, Harold Kenneth .............. North Bend
Morris, Robert Earl .................... Fremont
Murdock, James William ............. Lincoln
Nelson, Alvin Thomas ................ Hyattsville, Wyo.
Novak, Joseph John ......................... Howells
Nutzman, William Edwin ............ Hastings
Olcwein, Joseph Stewart .......... Lincoln
Otto, Claude Wilbur ................. Aurora
Poeck, William R .................... Omaha
Perelman, Harry ....................... Omaha
Peterson, Paul Leland .......... Geneva
Pfister, Charles Stanley ............. Gillette, Wyo.
Pilling, Matthew .................. Goodwin, Kans.
Pomeroy, Stanley Ernest .......... Omaha
Pritchard, William Lawrence ......... Ashland
Purvis, Donald Frederick .......... Fullerton
Redfern, William Earl .......... Marion
Riney, Walter Ferguson .......... Omaha
Rueben, Ronald ..................... Omaha
Schille, Elliott William .......... Daykin

GRADUATE STUDENTS

Bauer, Henry ......................... Lincoln
Burke, John Charles .......... Omaha
Harvey, Harmon Thomas .......... Lyons
Holoyeke, Edward Agustus .......... Omaha
Kennedy, John Charles .......... Omaha
LaTowsky, Leroy William ........ Omaha

REGISTER OF STUDENTS—1937-38
IN LINCOLN

FOURTH PRE-MEDICAL YEAR

Beaver, Robert Irven ................. Yankton, S. D.
Bender, Gretchen Louise ............ Sutton
Brown, Charles Richard .......... Omaha
Cullen, George, Jr. ................. Lincoln
Davidson, Thomas Hayes ........ Casper, Wyo.
DeTar, Dorothy Frances .......... Lincoln
Dewey, G. Gordon ................ Lincoln
Dugan, William Edward .......... Grand Island
Harney, William Rolland .......... Lincoln
Kavan, Ola Anna .................. Clarkson
Larrabee, John Austin .......... Yankton, S. D.
Leymaster, Glen Ronald .......... Aurora
Lutton, Harold James .......... Ashland
Marx, Alfred Edgar .......... Aurora
Marron, Alfred Knecel .......... Lincoln
Oelrich, Martin William .......... Omaha
Paul, James Richard .......... Omaha

Scott, Nathan Charles ............... Omaha
Senter, Vance Edward .......... Omaha
Shepard, Robert Dunstan .......... Nebraska City
Shrey, Paul Francis .......... Lincoln
Smith, James Joseph, Jr. .......... Heartwell
Staley, Sanford Orville .......... St. Louis
Stickler, Harry Elmer .......... Omaha
Stoll, Edward Manning .......... Lincoln
Stoltz, Charles Rodney .......... Ord
Stowe, Harold Robert .......... Omaha
Swenson, Samuel August, Jr. .... Wauke
Vanner, Robert Browning .......... Hastings
Voyles, Glenn Quintin .......... Omaha
Wagner, Curt Rea .......... Omaha
Ward, Paul Andrew .......... Omaha
Wendland, John Prentice .......... Omaha
White, Charles Marvin .......... Sutherland
Wiley, Clare Cordell .......... Imperial
Wilson, Julius Langson .......... Omaha
Wilson, John Maurice .......... Omaha
Wilt, Burton Sinclair .......... Omaha
Wright, Glenn ................... Omaha

THIRD PRE-MEDICAL YEAR

Alley, Ted Robert .................... Kimball
Anderson, Gustave Theodore ........ North Platte
Anderson, James Burns .......... Lincoln
Ashby, Charles Ferguson .......... Fairmont
Baer, James ....................... Lincoln
Bald, Warren Arthur .............. Custer, S. D.
Barrett, Laurence Overton ......... Lincoln
Bellamy, Donald Forsythe .......... Cambridge, Mass.
Bennett, Wilbur Keith .......... Lincoln
Bensung, Teodororico Catudan .......... Lincoln
Blome, Edlo Carl ................. Dalton
Brockway, George Louis .......... Aurora
Bolker, Norman ...................... Lincoln
Breuel, Richard Fredrick .......... Murray
Brittain, George .................... Loretto
Bushman, Louis Bernard .......... Omaha
Carothers, Nadine .................... Broken Bow
Cattle, John Weed ................. Seward
Chaffee, Lynn Dale .............. Talmage, Kansas
Chambers, Jean Lawrie .......... Ft. Omaha
Charles, Roger David .......... Lincoln
Dahlehe, John Paul .......... Bertrand
Dalton, Robert Larry .......... Lincoln
Dean, George William .......... Lincoln
DePrain, Orville Donald .......... Alexandria
Derry, Deane Nadine .......... St. Paul
Ekblad, Ronald August .......... Gresham
Fager, Warren ................. Avoca
Frey, Mano William .......... Pierce
Gerner, Clarence James .......... Crete
Gibson, LaVerle Elizabeth .......... Weeping Water
Ginsburg, Eli Harry .......... Dakota City
Glenn, Elmer Erwin .......... Alva
Gould, Kenneth Max .......... Broken Bow
Gustafson, Otto Clarence .......... Holdrege
Hawkins, Fred Bowen .......... Butte
Herdzina, Robert John .......... Omaha
Herrlford, Merle Baird .......... Lincoln
Hildebrand, Herbert Carl .......... Omaha
Hildebrand, Howard Hadden........ York
Hill, Lloyd James................. Deadwood, S. D.
Holl, Robert Ellsworth, Jr........ Lincoln
Homan, Charles Eugene............. Geneva
Johnson, Myron Clinton........... Valparaiso
Kani, Philip Moritz.............. Omaha
Kavan, Lucien Cyril.............. Clarkson
Kleager, Clyde Lewis............. Aida
Koe, Roger Eugene................. McCook
Keene, James Hauptman............ Lincoln
Lamb, Kenneth Benger.............. Callaway
Lammel, Harry George.............. Plymouth
Laursen, James.................... Callaway
Link, Vance Eugene................. Eustis
McGee, Millard Blair.............. Crete
Meier, Duane Alva................. Lincoln
Miller, Burdette Landon........... Lincoln
Miller, Glenn Forrest............. Hastings
Monovitz, Albert William......... Omaha
Murphy, Lois...................... Lincoln
Mutz, Austin Edward.............. Lincoln
Nebe, Frederick Martin........... Lincoln
Nelson, Willis Gerald............. Moorfield
Nemer, Alice Katharyn............ Lincoln
Paulson, Hubert Oscar............ Lincoln
Penner, Donald Henry.............. Beatrice
Perelman, Harold................. Omaha
Pfeifer, LaVerne Frank........... De Witt

SECOND PRE-MEDICAL YEAR

Adams, Burrell Howard.............. Neihawka
Alliley, James Wilson............. Lincoln
Almon, Kingsley................... Cozad
Athey, Myra Ardith.............. Wauneta
Baum, Alfred...................... Colburnton
Beck, Joseph Delmar.............. West Point
Bell, J ohn Merrill............... Lincoln
Bender, Esther Elizabeth........ Lincoln
Brodrick, Ronald Paris......... Fairfield
Brush, John Hobart.............. Norfolk
Byers, Julian Charles............ Wa lthill
Callaway, J ohn R................. Nebraska City
Case, Robert Woodrow............. Cambridge
Cashen, Russell Malachi........ Lincoln
Cecil, Teola Marion.......... Lincoln
Chamberlain, Ethel Ruth Plainview
Clark, Caroline Jane............. Parragut, La.
Clark, Glen William............... Livingston, Mont.
Cleveland, Carl Service, Jr..... Kansas City, Mo.
Davis, Harold LeRoy.............. Ashby
Doran, Thomas Justin............. Burwell
Erickson, Norvell Douglas........ Ong
Evans, Robert Van................ Lincoln
Feehan, John Joseph.............. Lincoln
Feinsteimer, Robert Clark...... Sargent
Folsom, John David.............. Lincoln
Frank, Muriel Naomi.............. Omaha
Gabarron, Gines Anthony....... Lincoln
Goltermacher, Werner Gus....... Osmond
Grissom, James Sazek............. Portland, Ore.
Haarmann, Jack Ellsworth........ Omaha
Hamel, John Kenneth.............. Tecumseh
Hansen, Hudson Arthur............ Minden
Haworth, John Embee.............. Aurora
Heacock, Robert Dustin.......... Omaha
Henn, Mary Josephine.............. Lincoln
Hermsen, Harland Thomas......... Valley
Hokom, Lester Henry............. Ong
Hoppin, Evelyn Helen............. Lincoln
Hoppin, Ralph Kirk.............. Lewistown, Mont.
Horak, Oliver Adolphus........... Dodge
Hornung, Marguerite Frances..... Lincoln
House, Harold Covington........ Ponca
Hoyt, Melvin Summer.............. Whitman
Hobbes, Jack...................... Deweese

Phillips, Clayton Lloyd........ Superior
Profitt, Jonas Alfred............. Hastings
Rankin, Emmett Clair............. Lincoln
Redfield, John Josiah.............. North Platte
Reimer, Katie ....................... Beatrice
Rice, Donald Thomas............. Lincoln
Roock, Paul Carl................ Utica
Rosenberg, Kermit Herbert....... Lincoln
Sloan, Max Davis................ Huntington
Smiley, Richard Hathaway........ Lincoln
Snappenbeck, Richard Fredrick.... Brock
Stone, Frank Paschal.............. North Platte
Stots, Richard Boone............. Cody
Stuart, Robert Leo............... Lexington
Sturdevant, Clifford Max........ Omaha
Tatelman, Maurice.............. Omaha
Taylor, Edwin Lawrence........... York
Tenopir, James Joseph............. Milligan
Thomas, John Charles.............. Wymore
Thomas, Richard Louis............ Hebron
Thompson, Lynn Wirt.............. Omaha
Townsend, Avery Potter........... Alliance
Tynor, George, Jr................. Omaha
Walling, Frank Joseph, Jr...... Piqua, Ohio
Walters, Eugene Carl.............. Omaha
Weber, Ralph Harold.............. Lincoln
Wertman, Maxine Hollingsworth... Milford
Wilson, Kenneth Lester........... Omaha
Young, George Asbury............ Lincoln

Kassel, Robert Lawrence........... Lincoln
Kommers, William Westover........ Hyannis
Koel, Charles..................... Cheyenne, Wyo.
Kiehn, Gerald August.............. Fullerton
Lake, Max Sanborn................. Lincoln
 Larson, George Eugene............ Lyman
Linn, Richard Harry.............. Lincoln
Livermore, Lemuel David........ Omaha
McAllister, Leland Elbert....... Lincoln
McCulloch, Charles Skindle....... Omaha
Marek, Ogle....................... Wahoo
Mattson, Harold Andrew.......... Kearney
Merk, Ruth Lillian................ Alliance
Meyer, Leslie Carl............... Milford
Mohler, Charles Irving............ Humacao, P. R.
Nicholson, Adolph Victor........ Lincoln
O’Berg, Wallace Gordon........... Omaha
O’Connor, John William........... Kearney
Olson, Donald John............... Lincoln
Owen, Frank Stiles............... Lincoln
Owen, Patricia................... Omaha
Panter, Edward George............ Hebron
Penner, Elmer Louis.............. Beatrice
Prestal, Joy Elizabeth........... Fremont
Petersen, Donald Martin.......... Hampton
Petch, Roy Robert................ Scottsbluff
Pillbury, Charles Harrison...... Ft. Crook
Picaichley, Harry Weller......... Lincoln
Pounds, Peggy Margaret Marie.... Lincoln
Prouty, Harry Drake.............. Blair
Raines, Max McCoy.............. Weeping Water
Raser, W. I. Wade.................. Gering
Remington, Frederick Kent....... Lincoln
Rengler, Ilah Mae................. St. Edward
Ryan, Richard Norman............. Lincoln
Saffold, Ruth Pauline............. Omaha
Salak, Neal......................... Grand Island
Salyards, John William........... Omaha
Schuck, Edward Gerald............ Lincoln
Schofield, John Howard, Jr....... Lincoln
Smallwood, Ted R................. Dodge
Squires, Robert Sigel............. Benedict
Stanek, Mildred Veronica........ Walthill
Stastny, Marie Ann............... Crete
Siehman, June Georgiann........... Lincoln
THE COLLEGE OF MEDICINE

FIRST PRE-MEDICAL YEAR

Aarni, William Howard .................................................. Lead, S. D.
Adams, Robert Eugene ..................................................... Lincoln
Alcorn, Edith Marie ......................................................... Lincoln
Alexander, Ralph Edward ................................................ Omaha
Anderson, Harvey Carl ...................................................... Wobach
Anderson, William Benjamin .............................................. Omaha
Ashworth, Allen Arthur ..................................................... Lincoln
Bahnersperger, Dwight Done .............................................. Bushnell
Bar, Frank Dean ............................................................. Osceola
Bennett, Betty Maxine ...................................................... Omaha
Berg, Walter Alvin ........................................................... Omaha
Brown, Florence Elaine ..................................................... Louisville
Bstandig, Frederick William .............................................. Burchard
Byers, Merwin Dale .......................................................... Burchard
Byers, Robert Charles ....................................................... Fremont
Carlson, Raymond Elmer .................................................. Omaha
Cameron, David Harry ...................................................... North Platte
Dann, Ellis Clyde ............................................................. Otsego
Dickson, Donald George .................................................. Lincoln
Drost, George Robert ........................................................ North Platte
Dwyer, Hubert Earl ........................................................... Melbeta
Edelbrinck, Robert Arthur ................................................... Omaha
Ehrenberger, Rose Anna .................................................. Schuyler
Ekart, Paul Ivan .............................................................. Wymore
Fager, Mary Viola .......................................................... Avoca
Farwell, Mary Ellen ........................................................ Dubuque
Fine, Leonard Joseph ........................................................ Sidney
Forbes, Jeanne Frances ..................................................... Dakota City
Frank, Carl Laughlin ........................................................ Ashland
French, Ivan Mervyn ........................................................ Vinita
Fricke, Johanna Ruth ........................................................ Bayard
Gakemier, Richard Dean ................................................... Murdock
George, Genevieve ........................................................... Greely
Gibbs, James ................................................................. Kimball
Giesken, Rita Francis ........................................................ Lincoln
Goetzes, Paul ................................................................. Long Island, N. Y.
Gustaas, George Andrew .................................................. Grand Island
Gravenhorst, Keith .......................................................... LaPorte, la.
Green, Shirley Harriet ...................................................... Elkhorn
Griffith, Paul Condon ........................................................ Omaha
Hamilton, Virginia Ann ..................................................... Lincoln
Haworth, Inez Eloise ........................................................ Parkman, Wyo.
Helfer, Ervin Nicholas ...................................................... Lincoln
Heller, Philip Henri .......................................................... Lincoln
Herman, Richard Lyonel .................................................... Fremont
Herholzkeimer, Robert William ........................................... Seward
Hessner, Robert Emil ........................................................ Lincoln
Hines, William Armitage .................................................. Kencena
Hutchison, John David ..................................................... Humboldt
Iatherald, Marian Ruth .................................................... Lincoln
Ijeon, Albert Vern ........................................................... Central City
Johnson, Barbara Ann ...................................................... Holdrege
Johnson, Cedric Close ...................................................... Omaha
Kasten, Lois Ruth ........................................................... Merna
Kentworthy, Charles Clifford .............................................. Shenandoah, Ia.
Kerkhoff, Stanley August .................................................. Nickerson
Kilpatrick, Paul Hendricks ................................................ Randolph, Ia.
King, Fred Ervin ............................................................. Lincoln
Kingnow, Billy Jarnold ...................................................... Omaha
Koehoof, Theodore Henry ................................................ Broken Bow
Koellner, Kenneth Carll .................................................... Uehling
Kokler, Madsen Cobb ........................................................ Kearney
Koop, Minna ................................................................. Lincoln
Krap, Dale Andrew ........................................................... Lincoln
Krissler, Albert Carl ........................................................ Creighton, Ia.
Lemly, Catherine Mac ........................................................ Lincoln

Wagner, William Franklyn ............................................... Omaha
Welton, Ted Mertens ........................................................ Sioux City, Ia.
Wickman, Kathleen Robinson ............................................. Guide Rock
Wiebe, Allyn Antionette .................................................... Cascade
Wiley, Stuart Paul ........................................................... Imperial
Wittwer, Margaret Elizabeth .............................................. Cressfield
Ziemann, Virginia Ruth .................................................... Western
Lichtenberg, Harvey Warren .............................................. Venango
Lindgren, Orvis Clair ....................................................... Ft. Crook
Lowry, Andrew Joseph .................................................... Lee, Mass.
Lueck, Dorothy Ellen ...................................................... Creston
McFadden, Harry Webber ................................................... Sioux Falls, S. D.
McLeod, Robert William .................................................... Hot Springs, Lincoln
McMurtry, George Boone .................................................. Cody
Marshall, Maxine Mae ...................................................... Arlington
Maxwell, Paul ................................................................. Lincoln
Mettinger, Virginia Paul .................................................... Waverly
Michelsen, Mayme Olive ................................................... Wapello
Miller, Edwin Lee ........................................................... Atlanta
Molzer, Victor Joseph ...................................................... Lincoln
Moravec, Daniel Francis .................................................. St. Paul
Mullin, Philip James ........................................................ Friend
Murphy, Robert Cyril ........................................................ Alliance
Nelson, Irving Robert ....................................................... Brooklyn, N. Y.
Nelson, Ruth Elaine ........................................................ Elgin
Neu, Richard Patrick ....................................................... Lincoln
Nicholas, Catharine Alice .................................................. Elgin
O'Brien, Jack Dewitt ........................................................ Lincoln
Osburn, Carl Andrews ...................................................... Omaha
Palmer, Willis Leland ...................................................... Grand Island
Pelletier, Leonard Francis .................................................. Lincoln
Peterson, Harold Raymond ................................................ Red Cloud
Pierce, Edwin Francis ...................................................... Lincoln
Pillsbury, Robert Dudley .................................................... Lincoln
Platt, Otis Royes ............................................................ North Platte
Protzman, Frank Wilmeth .................................................. Lincoln
Randell, Elian ............................................................... McCook
Reiter, Esther Irene ........................................................ Union
Romerey, Steve Paul ........................................................ Lincoln
Ronne, Mildred Olive ........................................................ Lincoln
Rose, Willard Ralph ........................................................ Sutherland
Sandusky, William Emmett ................................................ Seward
Sanders, Alpha Richard .................................................... Elkmont
Schaap, Virginia Gretchen ................................................ Lincoln
Schulz, Donald Paul ........................................................ York
Simon, Elizabeth Marion ................................................... Corderidge
Storius, Rodney Allen ..................................................... Gothenburg
Sklar, Charlotte .............................................................. Omaha
Smith, Gladys Caroline .................................................... Lincoln
Smith, Edma Irene ........................................................... Lincoln
Smith, Richard Hamilton ................................................... Lincoln
Smith, Robert Clarke ........................................................ Franklin
Smith, Roy James ........................................................... Albion
Sohl, Alice Daisy ............................................................ Lincoln
Spevak, Irving Bertrand .................................................... New York, N. Y.
Spurlock, Ivan Carroll ..................................................... Lincoln
Steckelberg, William Henry ............................................. Stanton
Stemper, Jack Michael ..................................................... Bellwood
Taylor, Paul Andrew ......................................................... Lincoln
Teich, Kenneth William ................................................... Columbus
Tomes, Dennis Louis ........................................................ Leigh
Fowl, Virginia Adelaide .................................................... Lincoln
Towelley, Frank Newcomer ................................................ Kencena
Tucker, Willard Vernon .................................................... Lincoln
Tunberg, Clarence Lee ..................................................... Lincoln
Van Derolse, Janet przez .................................................. Lincoln
Vernon, Doris ................................................................. Lincoln
Vincent, Jack Fredrick ..................................................... O'Neill
Wahl, John William ........................................................ Lincoln

"
Waldschmidt, Paul Henry...........Wakeeny, Kans.
Walla, Joseph, Jr....................Linwood
Weber, Robert LeRoy..................Lincoln
Weidenbach, Lawrence Fred.........Avon, S. D.
Weitkamp, Gladys Luella...........Nickerson
Williams, Vera Charlene.............Aurora
Wilson, Elsie Marie................Friend

Wittstruck, Kenneth Paul............Lincoln
Worden, Ralph Edwin................Alliance
Wyrens, Donald Edward...............Scottsbluff
York, Florence Eileen.............Liberty
Youngs, Marvin Willys.............Inman
Zee, Walter Edward................Murdock
TRAINING COURSE FOR X-RAY TECHNICIANS

HOWARD B. HUNT, A.B., A.M., M.D.
Professor of Radiology and Physical Therapy

ORGANIZATION.—The course for X-ray technicians has been established by authority of the Board of Regents in connection with the Department of Radiology, College of Medicine. It has been accredited by the American Registry of X-Ray Technicians conducted by the Radiological Society of North America.

The American Registry of X-Ray Technicians conducts examinations for candidates who shall have had acceptable training and a total of at least two years' experience in radiological work, including the student year. Students who have satisfactorily completed the course of training in X-ray technique at the University of Nebraska College of Medicine and have had a second year of experience in an accepted department of radiology are accepted for examination. A certificate in X-ray technique is issued upon successful completion of the examination of the American Registry of X-Ray Technicians.

FACILITIES FOR INSTRUCTION.—Ample opportunity for experience in making of roentgenograms or X-ray films of patients is provided. During a period of twelve months about 4,500 radiographic examinations are made in the Department of Radiology for the University Hospital and Dispensary of the University of Nebraska College of Medicine. All types and positions of X-ray examinations are used in the department, including roentgenkymography of the heart, encephalography of the brain, cholangiography of the gall-bladder and bile ducts, mammography of the breast, as well as the more common studies such as cholecystography of the gall-bladder, urography of the kidneys and bladder, bronchography of the lungs, and examination of the stomach and intestines after administration of barium sulfate and other contrast media. The radiographic work is supervised by the radiologist and is directly in charge of a registered technician. Facilities are provided for deep X-ray therapy and radium therapy with adequate protection of all workers against exposure to radiation. About 2,000 X-ray treatments and 100 radium treatments are given in the department during twelve months. The Library of the College of Medicine is maintained in the hospital. Thirty-eight thousand cataloged books and 320 current periodicals are available for study and for keeping in touch with current work in the field of X-ray diagnosis.

REQUIREMENTS FOR ADMISSION.—An applicant for admission to the course in X-ray technique shall be between 21 and 35 years of age and must be graduated from an accredited high school or other approved preparatory school. Records must be submitted covering the content and grades received in the preparatory studies. It is recommended that the preparatory work include English, Latin, physics, zoology, typing, shorthand, and secretarial work, although applicants are considered who do not present credits in all of these subjects. At least one year of collegiate study
including English, physics, zoology, typing, shorthand, and secretarial work is recommended. Preference is given to applicants who are graduate nurses. Applicants must be in good health with no disabilities. The application should be accompanied by a photograph and the names of two people from whom references can be obtained. Admission is allowed in January and July. Only two students can be accepted annually. Applications should be sent to the Chairman of the Department of Radiology, University of Nebraska College of Medicine, 42d and Dewey Avenue, Omaha, Nebraska. Application forms will be provided upon request.

FEES AND EXPENSES.—There is a registration fee of $1.00, payable on entrance. Four dollars per year for the student health service is payable on admission. There is no further charge for tuition. Students must maintain themselves and provide their own uniforms. The cost of textbooks is about $15.00. Board may be obtained for $6.00 a week in the vicinity of the hospital and rooms for $2.50 to $4.00 a week. Second-year student appointments are frequently made available which provide maintenance and a small monthly stipend.

CURRICULUM.—The course of study covers a period of one year. Students are accepted on a probationary basis during the first month. Students are in class or on duty in the Department of Radiology from 8 A.M. until 5 P.M. with a free hour for lunch. Students are not on duty during Saturday afternoon or Sunday. A vacation of two weeks is allowed at the Christmas holiday or in the summer. Immunization against diphtheria, typhoid fever, and smallpox is advised.

PLAN OF INSTRUCTION.—The course of training for students of X-ray technique consists primarily of an apprenticeship and demonstrations under the technician and of conferences with the radiologist. The instruction in related fields is given in conjunction with the School of Nursing consisting of instruction in anatomy, pathology, radiology and physical therapy, principles of general medicine, general surgery, gynecology, orthopaedics, urology, and oral surgery. The apprenticeship comprises ninety per cent of the period of training. The student works with the technician in the making of all types of X-ray studies. Gradually increasing independent responsibilities are given over to the student as experience increases. The student must become familiar with transcription of the reports of the radiologist covering the X-ray studies of roentgenograms made of patients and his reports on patients treated with X-ray and radium. In case the student is unfamiliar with the operation of a typewriter, additional courses must be taken at night school during the period of training.

The following formal courses are required of students in X-ray technique. These courses are provided through the courtesy of the School of Nursing by the College of Medicine.

1. ANATOMY.—Lectures, class recitations, demonstrations, and laboratory work dealing with the structure of the human body. Preserved specimens and fresh animal specimens are used for study. 72 hours.

2. ELEMENTARY PATHOLOGY.—Causes and general features of disease and disease processes. 30 hours.
3. **Medicine.**—A course of lectures and clinics dealing with the causes, symptoms, course, treatment, complications, convalescence, and prevention of medical diseases. 36 hours.

4. **Surgery.**—A course of lectures and clinics designed to give the student a practical understanding of the causes, symptoms, and treatment of surgical diseases and to stress the importance of early recognition and methods of prevention of these diseases. 24 hours.

5. **Gynecology.**—A study of the anatomy and physiology of the female pelvic organs; the pathology of the pelvis; the symptoms and treatment and nursing care of diseases of the bones and joints and bony deformities after operation. Lectures and clinics. 10 hours.

6. **Orthopaedics.**—A course of lectures, classes, and demonstrations dealing with the causes, prevention, and mechanical and operative treatment of gynecological diseases; complications, the care of patients before and after operation. Demonstration of braces, splints, frames, and other appliances. 18 hours.

7. **Urology.**—A course of lectures dealing with the principal diseases of the genito-urinary tract. 4 hours.

8. **Oral Surgery.**—A brief consideration of the malformations of the oral cavity and of the methods of treating them. Lectures and demonstrations.

9. **Physical Therapy.**—The basic principles and theory governing the use of physical agents such as the electrical currents, high frequency currents, therapeutic exercises, ultra-violet, roentgen and radium therapy are discussed in a series of lectures and demonstrations. 12 hours.

**Opportunities.**—There is a moderate demand for well-qualified technicians. These opportunities are primarily in the departments of radiology in hospitals and in the offices of doctors specializing in X-ray and radium work. There is no opportunity for independent operation of a laboratory by the technician since the use of X-ray in the diagnosis and treatment of diseases is legally the practice of medicine and must be carried out under the supervision of a registered physician in the interest of public welfare and safety. The remuneration for X-ray technicians varies from $60 to $150 a month with or without maintenance. In practice, it is frequently necessary for the technician to take dictation, typewrite reports, file correspondence, and in small hospitals to care for the hospital records on patients. Many of the duties are in the nature of minor nursing such as the sterilization of materials, administration of enemas, preparation of patients for examination, and the general care of the sick. The duties of secretary and practical nurse are frequently combined with those of operating an X-ray machine, processing of X-ray films, and handling of patients in X-ray work.
TRAINING COURSE FOR LABORATORY TECHNICIANS

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Organization.—The course for laboratory technicians has been established by authority of the Board of Regents, in connection with the Department of Pathology, College of Medicine. It has been accredited by the Committee on Education and Hospitals of the American Medical Association and the American Society of Clinical Pathology as being equipped and organized to furnish adequate training in laboratory technic. Graduates are eligible to take the examination for the Registry of Technicians maintained by the American Society of Clinical Pathology.

Facilities for Instruction.—The course is given in the University Hospital, and facilities of the University of Nebraska College of Medicine are available for instruction. The University Hospital is organized primarily for teaching and is under the control of the Board of Regents through the administration of the College of Medicine. It has a capacity of 240 beds, and accepts patients from over the state generally. All types of diseases are treated. Approximately 4,000 patients are admitted each year. The laboratory of the University Dispensary is also used for instruction. Approximately 4,000 patients are treated each year. The treatment of patients in the Hospital and Dispensary is directed by the faculty of the College of Medicine. The laboratory work requested includes all routine procedures, and many specialized tests that are required for unusual diseases which may be sent to the hospital from any part of the state.

The Library of the College of Medicine is maintained in the hospital. Thirty-eight thousand cataloged books and 320 current periodicals are available for study, and for keeping in touch with current work in the field of laboratory diagnosis.

Requirements for Admission.—The Registry of Medical Technologists has recently revised the requirements as follows:

Biology: Ten semester hours of which at least 6 semester hours must be zoology.

Bacteriology: At least three semester hours. (If not available, other branches of biology may be substituted.)

Chemistry: General Inorganic Chemistry.—At least 8 semester hours including 4 semester hours of laboratory. Organic Chemistry.—A complete course, at least 6 semester hours with not less than 2 semester hours of laboratory. Quantitative Analysis.—Three semester hours.

Physics: At least 8 semester hours with 2 semester hours of laboratory.

Either high school or college trigonometry prerequisite to physics.

English: Six semester hours in English composition or rhetoric.

Electives: Sufficient to give a total of 60 semester hours of college credit. Sociology and psychology are recommended for electives.
A transcript of college credits is to be submitted with the application for admission. Secretarial training will be found most useful, as well as a reading knowledge of a foreign language. The candidate must be in good health.

FEES AND EXPENSES.—There is a registration fee of $1.00, payable on entrance. Four dollars per year for the student health service is payable on admission. In addition, the students are responsible for their own maintenance, uniforms, and laundry. Board and room may be obtained in private homes for approximately $40 per month. Some allowance should be made for the purchase of books.

CURRICULUM.—The course of training is of twelve months’ duration and is primarily on the apprenticeship basis, with rotating services of two months each. The plan of work is so arranged as to include all of the procedures usually carried out in a general hospital laboratory, as well as to acquaint the student with many of the more specialized types of laboratory determinations.

Biochemistry includes examinations of the blood and other body fluids for normal and abnormal chemical constituents. As a rule, these are quantitative determinations, and include such tests as blood sugar, non-protein-nitrogen and creatinine determinations, as well as examinations of urine and of secretions of the gastro-intestinal tract and its associated glands. Between 6,000 and 7,000 examinations a year allow thorough training in this field.

Hematology consists of examinations of the blood, particular attention being given to the cellular elements. Included in this service also are compatibility tests preparatory to transfusions. More than 7,000 examinations a year give adequate material for this phase of the work.

Advanced Hematology and Biochemistry covers the more specialized procedures in the above branches, such as determination of the inorganic constituents of the blood, various tests of liver function, and special hematological procedures as erythrocyte fragility tests and cell volume measurements. Basal metabolic rate determinations are also included.

Bacteriology takes up the identification of pathogenic microorganisms by their morphological, cultural, and immunological characteristics. Approximately 2,400 bacteriological examinations are made each year.

Parasitology, a study of the small animal forms which may cause disease, is included with this and is studied both from the material available in the hospital and dispensary and from demonstration specimens in the medical college.

Histologic Technic covers the making of tissue preparations, principally sections of various organs and tissues, for the microscopic study by the pathologist. A variety of methods are taken up during the training period. More than 4,000 sections are made yearly.

SeroLOGY includes primarily immunological procedures, and is carried out under the direct supervision of the bacteriology department of the College of Medicine.
Plan of Instruction.—The work is conducted under the direct supervision of the director and the laboratory technicians. Lectures are given, divided as follows:

Bacteriology, 40 hours. This course is especially arranged to meet the requirements of the medical technologists, covering background and technic as well as the specific consideration of pathogenic bacteria.

Pathology, 24 hours, combined with the pathology course for the School of Nursing. The general considerations of changes produced by disease are taken up, particular attention being given to the causes of disease, the specific changes produced by various disease processes, and their relation to the symptoms produced. The theory and interpretation of various laboratory procedures is also taken up.

Conferences are held several times weekly, one being devoted to detailed correlation of disease processes and laboratory findings. Another is given over to a more detailed consideration of the principles involved in the technic of determinations with emphasis on possible sources of error. Other conferences are arranged as problems arise. Quizzes and examinations are given at intervals. Both written and oral exercises cover theoretical aspects, while practical tests for proficiency are given covering all phases of the work. Reading assignments are made of the material covered during each two-month period. Demonstrations are arranged at intervals to aid in taking up new subject-matter, to emphasize important points, and to familiarize the student with unusual problems. In order to give the student an introduction to the current literature and the use of the library, a Journal Club forms part of the course of instruction.

Opportunities.—The hospital laboratory offers the largest field of opportunity since most hospitals employ one or more technicians in their laboratories. In addition, there are positions available in clinics and in offices of physicians where the combination of medical technology with X-ray, secretarial, or nursing training is advantageous, since the volume of work often does not justify the employment of more than one assistant. There are also a few opportunities in the research field for those with sufficient educational background.

While the number of positions is limited to some extent, well-qualified persons have been able to obtain employment quite readily. As a rule, the salaries correspond fairly well with those paid to persons of comparable training in other lines of work.

The work is exacting and admits of no carelessness, yet it is not unduly strenuous in spite of the fact that conditions may arise from time to time which call for hard work and long hours. Working conditions tend to be pleasant and healthful and the associates congenial.