Bulletin of the University of Nebraska: Annual Catalog of the College of Medicine, 1909-1910

University of Nebraska College of Medicine

Follow this and additional works at: https://digitalcommons.unmc.edu/bulletin_com

Part of the History Commons, and the Medical Education Commons

Recommended Citation
University of Nebraska College of Medicine, "Bulletin of the University of Nebraska: Annual Catalog of the College of Medicine, 1909-1910" (1909). Bulletin of the University of Nebraska: Annual Catalog of the College of Medicine. 4.
https://digitalcommons.unmc.edu/bulletin_com/4

This Book is brought to you for free and open access by the Bulletins and Catalogs at DigitalCommons@UNMC. It has been accepted for inclusion in Bulletin of the University of Nebraska: Annual Catalog of the College of Medicine by an authorized administrator of DigitalCommons@UNMC. For more information, please contact digitalcommons@unmc.edu.
The Bulletin of the University of Nebraska is published semi-monthly between January 1 and October 1 of each year. Entered at the Post-Office at Lincoln, Nebraska, as second-class matter under act of Congress, July 16, 1894. One number each is issued for the Graduate College, the College of Arts and Sciences, the Teachers College, the College of Agriculture, the College of Engineering, the College of Law, the College of Medicine, the School of Pharmacy, and the schools of Art, Agriculture, and Music. They are furnished gratuitously, postage paid, to all who apply for them. In asking for them, name the department of the University concerning which information is desired. Address
THE REGISTRAR,
THE UNIVERSITY OF NEBRASKA,
Lincoln, Nebraska.
## CALENDAR

### THE COLLEGE OF MEDICINE

#### FOR THE WORK IN LINCOLN

<table>
<thead>
<tr>
<th>Date</th>
<th>Day</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>September 21</td>
<td>Tuesday</td>
<td>First Semester begins.</td>
</tr>
<tr>
<td>September 21-25</td>
<td>Tuesday-Saturday</td>
<td>Entrance examinations and registration.</td>
</tr>
<tr>
<td>September 25</td>
<td>Saturday</td>
<td>Opening address by the Chancellor.</td>
</tr>
<tr>
<td>November 24</td>
<td>Wednesday, 6 P.M.</td>
<td>Thanksgiving recess begins.</td>
</tr>
<tr>
<td>November 30</td>
<td>Tuesday, 8 A.M.</td>
<td>Thanksgiving recess ends.</td>
</tr>
<tr>
<td>December 7</td>
<td>Tuesday</td>
<td>Regular meeting of the Board of Regents.</td>
</tr>
<tr>
<td>December 17</td>
<td>Friday, 6 P.M.</td>
<td>Christmas vacation begins.</td>
</tr>
</tbody>
</table>

#### FOR THE WORK IN OMAHA

<table>
<thead>
<tr>
<th>Date</th>
<th>Day</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>September 21</td>
<td>Tuesday</td>
<td>Registration. Alumni meeting and College Banquet for upper classes.</td>
</tr>
<tr>
<td>September 22</td>
<td>Wednesday</td>
<td>Lectures begin.</td>
</tr>
<tr>
<td>November 24</td>
<td>Wednesday, 6 P.M.</td>
<td>Thanksgiving recess begins.</td>
</tr>
<tr>
<td>November 30</td>
<td>Tuesday, 8 A.M.</td>
<td>Thanksgiving recess ends.</td>
</tr>
<tr>
<td>December 17</td>
<td>Friday, 6 P.M.</td>
<td>Christmas vacation begins.</td>
</tr>
</tbody>
</table>

### 1909

#### 1910

<table>
<thead>
<tr>
<th>Date</th>
<th>Day</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>January 4</td>
<td>Tuesday, 8 A.M.</td>
<td>Christmas vacation ends.</td>
</tr>
<tr>
<td>January 24-28</td>
<td>Monday-Friday</td>
<td>First Semester examinations.</td>
</tr>
<tr>
<td>January 31</td>
<td>Tuesday-Saturday</td>
<td>Entrance examinations and registration for the second Semester.</td>
</tr>
<tr>
<td>February 15</td>
<td>Tuesday</td>
<td>Charter Day. A holiday. Regular meeting of the Board of Regents.</td>
</tr>
<tr>
<td>March 23</td>
<td>Wednesday, 6 P.M.</td>
<td>Easter recess begins.</td>
</tr>
<tr>
<td>March 30</td>
<td>Wednesday, 8 A.M.</td>
<td>Easter recess ends.</td>
</tr>
<tr>
<td>April 12</td>
<td>Tuesday</td>
<td>Regular meeting of the Board of Regents.</td>
</tr>
<tr>
<td>May 30-June 3</td>
<td>Monday-Friday</td>
<td>Second Semester examinations.</td>
</tr>
<tr>
<td>June 4</td>
<td>Saturday, 4 P.M.</td>
<td>Final recommendations by faculties for baccalaureate degrees.</td>
</tr>
<tr>
<td>June 9</td>
<td>Thursday</td>
<td>Thirty-ninth annual commencement.</td>
</tr>
</tbody>
</table>

### 1910

<table>
<thead>
<tr>
<th>Date</th>
<th>Day</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>January 4</td>
<td>Tuesday</td>
<td>Christmas vacation ends.</td>
</tr>
<tr>
<td>January 24-28</td>
<td>Monday-Friday</td>
<td>First Semester examinations.</td>
</tr>
<tr>
<td>January 31</td>
<td>Monday</td>
<td>Second Semester classes begin.</td>
</tr>
<tr>
<td>February 22</td>
<td>Tuesday</td>
<td>Washington’s birthday—holiday.</td>
</tr>
<tr>
<td>May 6</td>
<td>Friday</td>
<td>Senior lectures end.</td>
</tr>
<tr>
<td>May 7-18</td>
<td>Saturday-Wed.</td>
<td>Senior examinations.</td>
</tr>
<tr>
<td>May 18</td>
<td>Wednesday</td>
<td>Junior lectures end.</td>
</tr>
<tr>
<td>May 19</td>
<td>Thursday</td>
<td>Commencement.</td>
</tr>
<tr>
<td>May 20-28</td>
<td>Friday-Wednesday</td>
<td>Junior examinations.</td>
</tr>
<tr>
<td>September 20</td>
<td>Tuesday</td>
<td>First Semester begins (1910-1911).</td>
</tr>
</tbody>
</table>
THE UNIVERSITY

THE UNIVERSITY OF NEBRASKA includes the following colleges and schools:

THE GRADUATE COLLEGE. Courses leading to the degree of Master of Arts and Doctor of Philosophy.

THE COLLEGE OF ARTS AND SCIENCES. A four-year course leading to the degree of Bachelor of Arts.

THE TEACHERS COLLEGE. A four-year course leading to the degree of Bachelor of Arts and the University Teachers' Certificate.

THE COLLEGE OF AGRICULTURE (including general and technical agricultural, forestry, and general home economics groups). A four-year course leading to the degree of Bachelor of Science.

THE COLLEGE OF ENGINEERING. A four-year course leading to the degree of Bachelor of Science in Engineering.

THE COLLEGE OF LAW. A three-year course leading to the degree of Bachelor of Laws. A six-year course leading to the Bachelor of Arts degree and to the degree of Bachelor of Laws.

THE COLLEGE OF MEDICINE. A four-year course leading to the degree of Doctor of Medicine. A six-year course leading to the Bachelor’s degree and to the degree of Doctor of Medicine.

THE SCHOOL OF PHARMACY. A four-year course leading to the degree of Bachelor of Science in Pharmacy. Also, two-year and three-year courses.

THE SCHOOL OF FINE ARTS. Instruction in drawing, painting, woodcarving, modeling, etching, and the history of art.

THE SCHOOL OF MUSIC. Affiliated with the University. Instruction in all grades of instrumental and vocal music.

THE SCHOOL OF AGRICULTURE. A secondary school training primarily for practical farm life.

THE SUMMER SESSION. A six weeks course primarily for teachers.

THE NEBRASKA EXPERIMENT STATION and the EXPERIMENTAL SUB-STATION at North Platte are also in charge of the Board of Regents.
THE FACULTY OF THE COLLEGE OF MEDICINE

SAMUEL AVERY, A.M., Ph.D.
Chancellor and President of the University Senate
Administration Hall 101

HENRY BALDWIN WARD, Ph.D.
Dean of the College of Medicine and Professor of Zoology
Administration Hall 104

HAROLD GIFFORD, B.S., M.D.
Associate Dean of the College of Medicine and Professor of Ophthalmology and Otology
563 Brandeis Building, Omaha

RICHARD CHANNING MOORE, M.D.
Professor of Diseases of the Mind
312 McCague Building, Omaha

WILLIAM FORSYTH MILROY, M.D.
Professor of Clinical Medicine and Physical Diagnosis
212 McCague Building, Omaha

WILLSON ORTON BRIDGES, M.D.
Professor of the Principles and Practice of Medicine and Clinical Medicine
302 Bee Building, Omaha

*WILLIAM HENRY CHRISTIE, M.D.
Emeritus Professor of Materia Medica and Therapeutics

AUGUST FREDERICK JONAS, M.D.
Professor of the Practice of Surgery and Clinical Surgery
454 Brandeis Building, Omaha

HARRY MONROE McCLANAHAN, A.M., M.D.
Professor of Pediatrics
468 Brandeis Building, Omaha

*Deceased.
THE UNIVERSITY OF NEBRASKA

OSCAR SAMUEL HOFFMAN, M.D.
Professor of Clinical Medicine
324 Bee Building, Omaha

BYRON BENNETT DAVIS, A.B., M.D.
Professor of the Principles of Surgery and Clinical Surgery
202 Bee Building, Omaha

FRANK STYLES OWEN, M.D.
Professor of Laryngology and Rhinology
469 Brandeis Building, Omaha

ANDREW BARTHOLOMEW SOMERS, M.D.
Professor of Obstetrics
446 Brandeis Building, Omaha

SOLON RODNEY TOWNE, A.M., M.D.
Professor of Hygiene and State Medicine
446 Brandeis Building, Omaha

JOSEPH MELANCHTHON AIKIN, M.D.
Clinical Professor of Nervous Diseases
468 Brandeis Building, Omaha

HANS PETER JENSEN, M.D.
Professor of Electro-Therapeutics
2804 Harney Street, Omaha

RAYMOND GUSTAVUS CLAPP, M.D.
Professor of Physical Education
Grant Memorial Hall

DONALD MACRAE, JR., M.D.
Professor of Clinical Surgery
252 Merriam Block, Council Bluffs, Iowa

VERNON LAWRENCE TREYNOR, M.D.
Professor of Clinical Medicine
Baldwin Block, Council Bluffs, Iowa

*SAMUEL AVERY, Ph.D.
Head Professor of Chemistry
Chemical Laboratory

ROBERT HENRY WOLCOTT, A.M., M.D.
Professor of Anatomy
Mechanics Arts Hall 300

* Elected Chancellor May 20, 1909.
THE COLLEGE OF MEDICINE

PALMER FINDLEY, A.M., M.D.
Professor of Didactic and Clinical Gynecology
302 Bee Building, Omaha

ALFRED SCHALEK, A.M., M.D.
Professor of Dermatology and Genito-Urinary Diseases
400 Bee Building, Omaha

HERBERT HAROLD WAITE, A.M., M.D.
Professor of Bacteriology and Pathology
Nebraska Hall 303

LE ROY CRUMMER, M.D.
Professor of Therapeutics

†BENTON DALES, Ph.D.
Professor of Analytical Chemistry
Chemical Laboratory

AUGUST ERNEST GUENTHER, Ph.D.
Professor of Physiology
Nebraska Hall 5

RUFUS ASHLEY LYMAN, A.M., M.D.
Professor of Pharmacodynamics
Director of the Laboratories of Pharmacy and Pharmacodynamics
Nebraska Hall 7

ARTHUR CHARLES STOKES, B.S., M.D.
Associate Professor of Genito-Urinary Surgery and Surgical Anatomy
503 Brandeis Building, Omaha

WILLIAM ALBERT WILLARD, A.M.
Professor of Histology and Embryology
Nebraska Hall 302

PAUL GERHARDT WOOLLEY, B.S., M.D.
Associate Professor of Pathologic Anatomy
2903 Dewey Ave., Omaha

FRANKLIN DAVIS BARKER, A.M.
Associate Professor of Zoology
Nebraska Hall 302

JOSEPH HORACE POWERS, PH.D.
Associate Professor of Zoology
Nebraska Hall 306

†In charge of the Department of Chemistry.
THE UNIVERSITY OF NEBRASKA

*GEORGE HAMLIN BICKNELL, M.D.
Adjunct Professor of Ophthalmology and Otology

CHARLES WILLIAM McCORKLE POYNTER, B.Sc., M.D.
Adjunct Professor of Human Anatomy
Mechanic Arts Hall 300

CHARLES WHITNEY POLLARD, A.B., M.D.
Adjunct Professor of Obstetrics
446 Brandeis Building, Omaha

MARY LOUISE FOSSLER, A.M.
Adjunct Professor of Chemistry
Chemical Laboratory

HIRAM WINNETT ORR, M.D.
Adjunct Professor of the History of Medicine
1238 O Street, Lincoln

BURTON WHITFORD CHRISTIE, B.Sc., M.D.
Instructor in Pediatrics
48 Barker Block, Omaha

AARON WELCH EDMISTON, M.D.
Instructor in Bandaging and Surgical Dressings
3 Creighton Block, Omaha

ALFRED OLAFF PETERSON, A.M., M.D.
Instructor in Internal Medicine
203 Range Building, Omaha

JAMES SAMUEL GOETZ, M.D.
Instructor in Internal Medicine
324 Bee Building, Omaha

THOMAS TRUELSIN, M.D.
Instructor in Physical Diagnosis and Clinical Assistant in Medicine
587 Brandeis Building, Omaha

LAWRENCE B. PILSBURY, A.B., M.D.
Instructor in Bacteriology and Pathology
Nebraska Hall 302

HARRY HARDING EVERETT, B.Sc., M.D.
Instructor in Surgical Pathology
Mechanic Arts Hall 300

* Deceased.
THE COLLEGE OF MEDICINE

HENRY JOHN LEHNHOFF, A.B., M.D.
Instructor in Surgery
Mechanic Arts Hall 300

*DANIEL FRANCIS LEE, A.B., M.D.
Instructor in Materia Medica
12 Continental Block, Omaha

WILLIAM HULL RAMSEY, M.D.
Instructor in Surgery
224 Bee Building, Omaha

PAUL HAGANS LUDINGTON, A.B., M.D.
Instructor in Medicine
811 Brandeis Building, Omaha

RODNEY WALDO BLISS, B.S., M.D.
Instructor in Clinical Pathology and Internal Medicine
312 McCague Building, Omaha

ROBERT RUSSELL HOLLISTER, A.B., M.D.
Instructor in Surgery and Gynecology
400 Bee Building, Omaha

CHARLES REX KENNEDY, M.D.
Instructor in Surgery
536 Brandeis Building, Omaha

HENRY BASSETT LEMERE, M.D.
Instructor in Ophthalmology and Otology
309 Paxton Block, Omaha

ERNEST TIBBETS MANNING, M.D.
Instructor in Therapeutics
501 Paxton Block, Omaha

CLARENCE EMERSON
Fellow in Bacteriology
Nebraska Hall 303

*Resigned.

AUGUST DAVIS CLOYD, M.D.
Lecturer on Life Insurance Examinations
Woodmen Building, Omaha
THE UNIVERSITY OF NEBRASKA

ALFRED ONIAS HUNT, D.D.S.
Lecturer on Dental Surgery
420 Bee Building, Omaha

GEORGE MOGRIDGE, M.D.
Lecturer on Arrested Development
Glenwood, Iowa

ERNEST CLIFFORD PAGE, Ph.M., LL.B.
Lecturer on Medical Jurisprudence
812 New York Life Building, Omaha

WILLIAM PENALUNA WHERRY, M.D.
Clinical Assistant in Laryngology and Rhinology
469 Brandeis Building, Omaha

CHARLES CAMPBELL MORISON, A.B., M.D.
Clinical Assistant in Surgery
587 Brandeis Building, Omaha

CHARLES AARON HULL, M.D.
Clinical Assistant in Surgery
200 Bee Building, Omaha

JAMES McDOWELL PATTON, A.M., M.D.
Clinical Assistant in Ophthalmology and Otology
567 Brandeis Building, Omaha

NORA MAY FAIRCHILD, M.D.
Clinical Assistant in Gynecology
826 Brandeis Building, Omaha

ALFRED JEFFERSON, M.D.
Clinical Assistant in Gynecology
309 Range Block, Omaha

JOHN JOSEPH KLICK, M.D.
Assistant in Dermatology
300 Bee Building, Omaha

WALTER GARFIELD HILTNER, B.Sc., M.D.
Demonstrator in Anatomy
Mechanic Arts Hall 300

HENRY PETER WEKESSE, M.D.
Demonstrator in Anatomy
Mechanic Arts Hall 300
THE COLLEGE OF MEDICINE

GEORGE HEMAN WALKER, M.D.
Demonstrator in Anatomy
Mechanic Arts Hall 300

HENRY BLAKESLEE BOYDEN, A.B.
Assistant in Anatomy
Mechanic Arts Hall 300

ERIK MARTIN PAULUS SWARD, A.B.
Assistant in Anatomy
Mechanic Arts Hall 300

WILLIS HARVEY TAYLOR, B.Sc.
Assistant in Anatomy
Mechanic Arts Hall 300

JAMES LEE WILSON, B.Sc.
Assistant in Anatomy
Mechanic Arts Hall 300

EARL GEORGE JOHNSON, A.B.
Assistant in Histology and Embryology
Nebraska Hall 205

DISPENSARY STAFF

SUPERINTENDENT OF DISPENSARY: DR. BLISS

INTERNAL MEDICINE

PROFESSOR BRIDGES  PROFESSOR MILROY
ASSISTANT: DR. BLISS

SURGERY

PROFESSOR JONAS  PROFESSOR DAVIS
ASSISTANT: DR. HOLLISTER

EYE AND EAR

PROFESSOR GIFFORD
ASSISTANT: DR. PATTON

NOSE AND THROAT

PROFESSOR OWEN
ASSISTANT: DR. WHERRY
THE UNIVERSITY OF NEBRASKA

PEDIATRICS
Professor McClanahan
Assistant: Doctor Christie

OBSTETRICS
Professor Somers
Assistant: Doctor Pollard

GYNECOLOGY
Professor Findley
Assistants: Doctor Jefferson Doctor Fairchild
Doctor Hollister

NERVOUS DISEASES
Professor Aikin

DERMATOLOGY
Professor Schalek
Assistant: Doctor Klick

GENITO-URINARY SURGERY
Associate Professor Stokes

DRUG ROOM
Charles Ray Stewart, Ph.G.
THE COLLEGE OF MEDICINE

ORGANIZATION

By an agreement entered into in May, 1902, the Omaha Medical College became the College of Medicine of the University of Nebraska. The College thus incorporated into the University was founded in 1880 and has experienced strong and steady growth.

As an integral part of the University the College has been able to reorganize its work along the most advanced lines. The requirements for entrance have been placed on a level with those of the best medical colleges, thus preparing the student properly for the improved advantages at his disposal.

The work of the first two years is carried on at Lincoln, where the University places at the disposal of the student, at the beginning of his course in medicine, advantages such as but comparatively few medical schools in the country offer. The University's laboratories, directed by men of thorough training and large experience, who devote their entire time to instruction and supervision, are well equipped with modern appliances.

The work of the last two years is done exclusively at the College in Omaha, where are now afforded unusual clinical facilities, but, nevertheless, the College is constantly strengthening them.
STANDING

The College of Medicine meets the requirements of the most exacting examining authorities. It stands in the approved list of all state examining and licensing boards and its diploma grants the holder all privileges accorded to graduates of any medical school in the United States. The class of 1906 was the first to complete its training under University auspices. Every member of that class and also of the subsequent classes, 1907 and 1908, has passed successfully in all state board licensing examinations in which he has taken part.

Official notice has been received from the Secretary of the Examining Board in England that the Royal Colleges of Physicians and Surgeons have added the University of Nebraska to the list of those institutions recognized by this Board at which the curriculum of professional study may be pursued and whose Graduates in Medicine may be admitted to the Final Examination in Medicine, Surgery and Midwifery, on production of the required certificates of study. This recognition is a source of great gratification to every student and is of especial value to those who are planning to take up work in foreign lands as medical missionaries.

ADMISSION

The College of Medicine now offers a four-year course leading to the degree of Doctor of Medicine, or a student may, if he prefers, pursue a combined collegiate and medical course, receiving at the end of four years the bachelor's degree, and at the end of six years the degree of Doctor of Medicine.
January 1, 1908, the entrance standard was raised to include one year of college work. The advance was so satisfactory to both faculty and students that in December, 1908, the Board of Regents voted on recommendation of the faculty to put into effect the long promised further advance and to raise this standard so as to include two full years of college work. The present standard means that the course of study shall be five years above the four-year high school. The first year will be practically that of the six-year combined course, being devoted to German, chemistry, physics, and animal biology, with three hours of elective work. This combination has been offered for many years and recommended to all prospective medical students who could not take the six-year course. It agrees precisely with the work laid down for an ideal initial year by the Council on Medical Education of the American Medical Association.

Two points of some importance should be noted in connection with the five-year course. The initial year, if taken at the University of Nebraska, is not subject to the fees of the professional course, but demands only the moderate charges for laboratory expenditures of the general scientific course. Secondly, the work may be taken at any college of standard entrance requirements, provided the work outlined above is carried successfully. There are many colleges which cover the introductory work noted in an eminently satisfactory manner, and in such cases the student with proper credentials will be entered directly into the first year of professional work in medicine, i.e., of the four-year course.

Candidates are admitted by examination or on certificate
from accredited high schools, academies, or colleges. Women are admitted on the same terms as men. The requirements for admission are stated below.

Although properly prepared students who cannot enter at the beginning of the year may be admitted later, all students who can possibly do so are urged to be present at the beginning of the year. Students entering late are at much disadvantage and cannot expect to finish the course within the minimum limit except by taking work in the Summer Session. Plans are so made that students who enter at the opening of the second semester will find a suitable program of work.

Applicants for admission present themselves to the Registrar, who furnishes them with application blanks and directions for proceeding with their examinations, if any, with fee payments and registration.

An applicant presenting a certificate from an accredited school, academy, or high school is admitted without examination to any classes for which he is fully prepared. Any candidate for admission bringing credentials from a high school, college, or university not included in the list of schools accredited to this University must, upon making application, present his credentials to the Registrar and be prepared to take such examinations as are prescribed.

A student desiring to ascertain whether or not he can be admitted to the freshman class without examination should apply to the Registrar for blank credential slips. When these are properly filled out and returned, he will be informed at once whether his credentials are or are not acceptable.
REQUIREMENTS FOR ADMISSION

Candidates for admission to the College of Medicine should submit their entrance credentials at least one month in advance.

For admission to the freshman class in the College of Medicine, a candidate must present evidence of having completed the course in an accredited high school, or an institution of equal grade, and in addition must have had one year of work in a reputable college. Furthermore the candidate must furnish evidence of having completed thirty points of entrance credit as laid down in the minimum requirements of the Association of American Medical Colleges. These are specified below. Conditional admission to the preliminary College year is permitted on the minimum of 24 credit points or 120 credit hours, but the student must remove all entrance requirements before he may be admitted to full sophomore standing.

A credit "point" presupposes the work of five recitations a week of not less than 40 minutes each during a period of at least 18 weeks. The requirements in detail are given below. The time element indicated with each subject is essential.

REQUIRED SUBJECTS—16 Points
Algebra (to simultaneous quadratics), 1 year, 5 hours a week........ 2
Geometry (Plane), 1 year, 5 hours a week.............................. 2
English (Grammar, Rhetoric and Composition), 2 years, 5 hours a week .................................................. 4
History, 1 year, 5 hours a week............................................. 2
Language (must be Latin), 2 years, 5 hours a week.................. 4
Physics (with laboratory work), 1 year, 5 hours a week............ 2
OPTIONAL SUBJECTS—14 Points

In addition to these required subjects, for which no substitutes are accepted, applicants must present evidence of preparation in 14 points to be chosen from the following optional list:

Advanced Mathematics (Algebra through logarithms, Solid Geometry and Trigonometry, ½ year each), 1½ years, 5 hours a week..........................1 to 3

English Language and Literature (only if taken after the required English), 2 years, 5 hours a week..........................1 to 4

History (may include Civics and Political Economy), 2 years, 5 hours a week..........................1 to 4

Language (German, French, Spanish or Greek. Not less than one year in any one), 4 years, 5 hours a week......................2 to 8

(Latin), 2 years, 5 hours a week..........................1 to 4

Natural Science (Biology, 1 year, or Botany and Zoology, ½ year each), 1 year, 5 hours a week..........................1 or 2

Physical Science (Chemistry), 1 year, 5 hours a week..........................1 or 2

Earth Science (Physical Geography and Geology, ½ year each), 1 year, 5 hours a week..........................1 or 2

Physiology and Hygiene, ½ year, 5 hours a week..........................1

Astronomy, ½ year, 5 hours a week..........................1

Drawing, ½ year, 5 hours a week..........................1

REGISTRATION

Five days are allowed for the registration of students—from 9 a.m. Tuesday to 5 p.m. Saturday for both first and second semesters. Graduate students and city teachers may register at any time until the end of the week following the regular registration days.

Students are required to register promptly at the beginning of each semester.

To promote prompt registration a special fee of $3.00 is charged a student who, unless excused by the Chancellor,
for any reason seeks to register later than the regular days set aside for this purpose. A like fee is charged for re-registration if made necessary by the student's fault. Any change whatever in a registration once made is regarded as a re-registration.

On or before June first every year each under-graduate student is required to lodge in the office of the Registrar his proposed schedule of classes for the first semester of the year immediately following.

No regular student is registered for less than twelve (12) hours nor more than eighteen (18) hours a semester without the dean's permission.

A student taking the combined six-year course for the degree of Bachelor of Science and the degree of Doctor of Medicine must matriculate and register in the College of Medicine at the beginning of the third year's work of the combined course and must regularly thereafter register as a student in the College of Medicine. If he is to be a candidate for the bachelor's degree, he must at the same time continue to register in the College of Arts and Sciences.

A junior or a senior in the College of Arts and Sciences or the Teachers College may take any of these courses by registering as an unclassified student in the College of Medicine and paying the laboratory fees attached to the course or courses chosen and also a pro-rata tuition fee; provided, however, that the tuition charge for any course in the College of Medicine so taken by a student in either of the general colleges shall in no case be less than $5 a semester.

When circumstances warrant and the accommodations
are sufficient to allow it without detriment to the work of candidates for degrees, students not seeking a degree are admitted as unclassified.

Students cannot attend classes for which they are not registered and credit is not granted for studies pursued without registration.

No student is allowed to change from one college to another without written permission to the Registrar signed by the dean of each college concerned. A student so changing college must also pay a new matriculation fee of $5.

No student may change his group or drop any study for which he has been regularly registered without written permission from the dean of his college.

Any change in a student's residence must be immediately reported to the Registrar.

A leave of absence for a short time may be granted a student by the dean of his college. This leave 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 Registrar grants him permission to do so. Students in good standing who are not minors are given honorable dismissal from the University at their own request; minors, at the request of their parents or guardians.

The dean of the college in which a student registers is that student's adviser. Each dean has a consultation hour in the deans' room, Administration Hall 104, where students may call seeking advice touching their work.

According to the By-Laws of the Association of American Medical Colleges, each student shall be obliged to at-
tend 80 per cent of the exercises in every annual course of study for which he seeks credit. No student shall be given credit on examination unless he attains a grade of at least 70 per cent, or its equivalent in any other marking system. And no student shall be graduated unless he shall have attained a passing grade in each and all subjects of the required curriculum. By vote of the clinical faculty the passing grade for junior and senior medical students shall be hereafter 75 per cent, which is the grade required in licensing examinations of the Nebraska State Board of Health.

ADVANCED STANDING

Advanced standing may be granted as follows to applicants presenting proper credentials:

In accordance with the recommendation of the Association of American Medical Colleges, the University will not hereafter grant any time credit to holders of a bachelor's degree; this means that the total time spent by each student must include as a minimum four years of registration in a medical college.

There will be no change in the practice heretofore observed concerning subject credit. Applicants for credit in any particular subject are referred to the head of the department in question for examination. In case subject credit is granted the student is free to use the time thus gained in such extra work as he may elect. Thus students who came from high grade colleges are enabled to pursue advanced studies for a second degree or to go into research courses in any department in which they are prepared to work. This is of evident advantage to the student.
Students of other medical colleges of equal standing are, on presenting certificates of honorable dismissal, admitted to the class to which credentials issued by such colleges entitle them.

Applicants for advanced standing must offer admission credits equal to those required by this college.

Graduates of colleges of homeopathy or eclectic medicine requiring a four years course are admitted to the senior year.

In all these cases the applicant for advanced standing must offer admission credits equal to those required by this college.

**REQUIREMENTS FOR GRADUATION**

The requirements for the degree of Doctor of Medicine are as follows:

1. The candidate must be twenty-one years of age.
2. His moral character must be unquestioned.
3. He must have complied with all the requirements of admission and have paid all his fees.
4. He must have completed all required courses and have passed a satisfactory examination on all required subjects in the curriculum.
5. He must have pursued the study of medicine four years and have received credit for at least four full courses of instruction in different years at medical schools in good standing. The last course he must have taken in this institution.
6. He must have undergone a full and satisfactory written and oral examination at the termination of the course.
The following rule of the Medical Faculty applies to all who are candidates for a degree:

Every student expecting to receive the degree of M. D. at a given Commencement shall be held to all of the final examinations immediately preceding that Commencement, and shall not be recommended for the degree unless he shall have passed satisfactorily all subjects of such examination, regardless of any standing which may have been attained previously in any subject or subjects of the examination.

SUMMER SESSION

The Summer Session of the University affords opportunities to make up deficiencies in entrance requirements and in certain lines of laboratory work.

COURSES AND METHODS OF INSTRUCTION

The course of study covers four years of nine months each. During the first two years those strictly scientific branches are pursued which form the basis for the technical studies of the last two years. In the laboratory only independent work is accepted. None of the courses are mere demonstrations. This objective method of instruction is followed not only in the laboratory study of the first two years but also in the clinical work of the last two, where constant use is made of the facts acquired from laboratory teaching in the fundamental branches.

The courses embrace also didactic and clinical lectures, in which effort is made by charts, models, experiments, demonstrations and other appropriate means to broaden the mind of the student and to coordinate the facts acquired
in the laboratory. Frequent quizzes and examinations test progress in each line of work.

The College affords unique opportunities for personal contact between teacher and pupil in the lecture room, the laboratory, and the clinic, thus permitting work to be done with unusual thoroughness. There is personal teaching in every topic, each student standing continually close to his instructors, which is of the utmost importance in the last two years of the course. The sectional method of clinical work brings the individual student in intimate contact with his clinical instructors, affords him an opportunity to study each case thoroughly and at short range, and allows him to secure a large amount of bedside instruction.

If a student finds it necessary to leave the University, he may obtain a certificate for his work in the medical course which will enable him to enter any other medical college belonging to the Association of American Medical Colleges.

EQUIPMENT

The work in Lincoln is given in the various laboratories of the University, which are well equipped with the necessary apparatus. A more detailed description of the facilities provided is found under the head of "Courses of Instruction" in connection with the different departments represented.

The college building in Omaha, completed in 1899, and situated at the corner of Twelfth and Pacific streets, embodies the best features of modern medical-school buildings. It is a brick and stone structure, having four stories above the basement.
On the first floor are the offices and faculty room, the students' lobby, and the free dispensary. The latter comprises a waiting room for patients, a drug room, and numerous departmental clinic rooms for the systematic examination and treatment of patients.

On the second floor are the amphitheater with a seating capacity for 250, the library, the reading room, the X-ray room, and a commodious coat room.

On the third floor are the museum, chemical laboratory thirty by fifty feet in size, private rooms for the professors of surgical anatomy, clinical chemistry and pathologic anatomy, and a smaller amphitheater with a stationary table to which gas and running water are supplied for practical demonstrations in these branches.

The fourth floor is wholly given up to microscopic work. The laboratories, occupying a space one hundred by thirty-five feet, have light on every side. Stationary tables for the preparation and mounting of specimens occupy the center of the room. These tables are supplied with gas and running water and are made as convenient as possible to conserve the student's time. In front of each window is a table furnished with gas attachments and Bunsen burners. In this room are lockers so that each student has a safe place for his working outfit.

The clinical and pathological laboratories are commodious and provided with abundant light. The arrangement is such that the class may, at a moment's notice, be assembled from the laboratory desks to recitation benches at one end of the room, where demonstrations may be made from gross specimens by the use of series of blackboards or by
and amphitheater seating about 100 patients and furnished with the best appliances known. At this hospital weekly clinics are held throughout the session for the advanced class in surgery, orthopedics, internal medicine, ophthalmology and otology. From the graduating class three interns are selected for a year’s service each, with provisional opportunities for extended work.

THE IMMANUEL HOSPITAL

In the Immanuel Hospital students of this College also have exclusive clinical privileges. This hospital is well arranged and thoroughly equipped for the application of scientific methods in the treatment of disease. It contains an operating amphitheater, accommodating about eighty students, with the seats so arranged that each student has an unobstructed view of the operator or instructor. An addition to the building is nearing completion which will increase its capacity to one hundred and twenty beds. Weekly clinics are held in internal medicine and surgery. Occasionally there are clinics in laryngology and rhinology. From the graduating class two resident physicians are appointed soon after Commencement to serve one year. One or more students are given positions as assistants in their senior year.

THE DOUGLAS COUNTY HOSPITAL

The Douglas County Hospital, costing $200,000 and accommodating 300 patients, includes a maternity pavilion and an insane department. During the past year there has been added a pavilion for the modern treatment of cases of consumption. This institution is, in reality, the charity
hospital of Omaha and the surrounding country. Since cases illustrative of all diseases, acute and chronic, occurring in this section of the country are found here, the students of this College have exceptional opportunities for direct bedside instruction in all departments. Regular clinics are held weekly in medicine, genito-urinary diseases, dermatology, gynecology, mental diseases and obstetrics. Two resident physicians, both of whom are this year from this College, are appointed for one year by competitive examination each spring.

THE CLARKSON MEMORIAL HOSPITAL

A new modern building is now under construction and is expected to be occupied in the spring of 1909. The building is located at Twenty-third and Howard streets, within an easy walk of the College. It will be among the most modern of hospital buildings. There will be 85 beds and three operating rooms. This hospital will afford opportunities for two internships. Clinics in surgery, medicine, ophthalmology, otology, and gynecology are held weekly in the amphitheater.

THE WISE MEMORIAL HOSPITAL

This hospital has been rebuilt and trebled in size. The new building is of stone, pressed brick, and iron construction; it is modern in every respect. There are sixty-one beds and two well-equipped operating rooms. Clinics in medicine, otology, and rhinology are held weekly in the amphitheaters. One interne is chosen from the graduating class each year for a service of one year. This hospital is located within walking distance of the College.
THE SWEDISH MISSION HOSPITAL

This hospital is located at 24th and Pratt streets. It has a capacity of 45 beds. The operating room is provided with an amphitheater for students. Surgical clinics are held here by appointment by Professor Stokes. Two interns are appointed each year from the Senior class.

THE CHILD-SAVING INSTITUTE

In the Child-Saving Institute this College has exclusive clinical privileges. The institute now occupies a building especially constructed for its use. Its accommodations for sixty infants are constantly taxed. The opportunities here for the study of the dressing, care and feeding of infants, and the diagnosis, progress and treatment of the different gastro-intestinal and contagious diseases of childhood are unexcelled. Occasional outbreaks of infectious diseases in the constantly-changing inmates afford unusual illustration of the subjects taught in the course of pediatrics.

THE JENNIE EDMUNDSON HOSPITAL, COUNCIL BLUFFS

This new Hospital at Council Bluffs is in professional charge of members of the faculty of this College. For surgical work its equipment is thorough, including a fine operating room. Clinics are held each week by Professors Macrae and Treynor in general medicine and in surgery. The new building recently completed, containing seventy beds, is a most modern institution.

THE TINLEY RESCUE HOME

The Tinley Rescue Home is under the direct supervision of Professors Somers and Pollard, and furnishes an abund-
The College of Medicine

The search of the Visiting Nurses' Association for deserving, unattended sick furnishes the members of the faculty of obstetrics many cases of confinement. These are assigned to members of the senior class under the direction of the obstetrical staff of the College.

Hospital Appointments

The Glenwood Institute for the Feeble Minded affords a salaried position as a house physician for one graduate in medicine each year. At the Douglas County Hospital two internes are appointed by competitive examination each year. Two internes are chosen by competitive examinations given by the medical staff of the Omaha General Hospital. The following internships are filled exclusively from the graduating class of the College of Medicine for a service of one year: Three at the Nebraska Methodist Hospital; two at the Immanuel Hospital; one at the Wise Memorial Hospital; two at the Swedish Mission Hospital; one at the Jennie Edmundson Memorial Hospital.

Several graduates of the College secure positions each year in other hospitals in Nebraska and adjacent states. The faculty receives frequent inquiries from superintendents of hospitals desiring recent graduates for such positions, and all capable students desiring hospital training may obtain this inestimable advantage of a year's hospital servi-
Before entering upon private practice. The proportionate number of such positions open to the college will thus be seen to be far beyond that in the majority of medical schools.

Two graduates may also secure for six months of each year positions as assistant police surgeons. This is a valuable experience, as from fifty to one hundred emergency cases are treated by these men each month. In addition to regular internships for the graduating class opportunities are afforded several students of the Senior class to serve in the various hospitals affiliated with the College of Medicine. These positions do not conflict with the scheduled work of the college, and supply valuable experience to the students so engaged.

PUBLIC ADDRESSES

To give medical students knowledge at first hand of important movements in medicine and allied sciences special convocations are held several times each year at such dates as it is possible to secure speakers from abroad.

During the current year the following addresses have been given:

1. Dean Henry B. Ward, "The University of Nebraska and its Work in Medical Education."

2. Dr. E. J. C. Sward, Secretary of the Nebraska State Board of Health, "The Relation of Medical Men to the State Board."

3. Dr. J. L. Greene, Superintendent Illinois State Hospital, Kankakee, "The Value of Foundation Studies in Achieving Success in Medical Practice."
4. Dr. F. Creighton Wellman, Washington, D. C., "Insects and Human Disease."

The College of Medicine has also instituted a series of addresses of general interest on medical subjects which are given in Lincoln at the regular University convocation periods for the benefit of the entire student body and the public. In this series the following lectures have been given this year:

2. Dr. H. M. McClanahan, Omaha, "The Economic Importance of the Child to the State."
4. Dr. H. H. Waite, "How May the Spread of Infectious Diseases be Prevented?"
5. Dr. F. Creighton Wellman, Washington, D. C., "Health Problems for Caucasians in Colonizing the Tropics."

In furtherance of the same idea the College of Medicine has aided in the formation within the Nebraska State Teachers' Association of an auxiliary section on "Popular Medical Education," the object being to discuss medical subjects of practical importance in our public schools. At the last annual meeting in Lincoln, November, 1908, the following program was given:
1. Dr. S. R. Towne, Omaha, “What Teachers Can Do to Develop Healthy Children.”

2. Dr. H. H. Waite, “How We May Prevent the Spread of Infectious Diseases in Our School.”

3. Dr. R. A. Lyman, “The Experimental Evidence Which Shows Us the Nature of the Action of Narcotics.”

4. Dean Charles A. Fordyce, Teachers College, “A Plea for the Addition of Sexual Physiology to the High School Curriculum.”

REVIEW COURSE FOR PRACTITIONERS

The College of Medicine aims to rank as representative of the most approved methods of medical instruction. Every opportunity for advance which the state will provide is utilized for the benefit of medical students and graduates. This, together with the fact that medical men more than any other class retain a sincere and earnest desire to keep abreast of the rapid progress in medical knowledge, has led the Board of Regents, at the instance of the medical faculty, to authorize the introduction of an annual review course of one week’s duration open to all graduates of reputable medical schools. This course is planned along entirely new lines. It is not a post-graduate course in the ordinary acceptation of the term. It is a course in which a practitioner is able to make a more intimate acquaintance with prominent advances in medicine than is possible through the medium of text-books and journals. These courses are for practitioners only and are absolutely apart from those taken by medical students.

The course is given on the University campus in Lincoln,
and especial emphasis is laid on the laboratory side of medical questions in which such marvelous advance has been made within recent years. The second session of this course was held from April 26 to May 1, 1909. The third session will be held at about the same period in 1910. An announcement describing the work of the course will be sent in February to all persons applying.

LIBRARIES

IN OMAHA

The College Library contains about 1,000 volumes, including an up-to-date collection of text-books covering the entire range of medical science. This collection does not obviate the necessity of students having their own text-books, but offers greater opportunities for investigation of subjects in which they are specially interested. Periodical literature is also on file.

The Omaha Public Library contains 60,000 volumes, including a good medical library, the use of which is free to students in the College.

IN LINCOLN

The following libraries, aggregating 193,300 volumes, are accessible to students in Lincoln:

The University Library of 85,000 volumes is strong in those scientific lines wherein lies the first two years' work of the student of medicine. It includes special departmental libraries in botany, chemistry, hygiene, physiology, zoology, bacteriology, pathology, and medicine. It also includes the library of the Nebraska State Medical Society of 1,300 volumes.
The Lincoln City Library, of 26,000 volumes, also has an alcove devoted exclusively to medical literature.

The State Library of 65,000 volumes at the Capitol includes valuable medical works in certain lines.

The Nebraska State Historical Society Library of 16,000 volumes contains useful series of public documents, such as reports of state boards of health and of state hospitals and other institutions.

**PUBLICATIONS**

A quarterly bulletin containing papers embodying the results of original research is published and offered in exchange for similar publications which are desirable for the library.

**SOCIETIES**

The Alumni Association of the College of Medicine maintains an active and efficient organization, of advantage to both the graduates and the University. The annual meeting is held in Omaha on Commencement day. Members of the association are requested to notify the Registrar and the secretary of the association when they change their address.

The Medical Society of the University of Nebraska, at Lincoln, aims to increase professional spirit and to keep its members in touch with recent progress. Any student in the University at Lincoln looking forward to medicine is eligible to membership. Topics of general interest are taken up at the weekly meetings. Prominent men address the society monthly on topics of special interest. Besides promoting fellowship among students of medicine it also offers some social advantages in other directions.
FEES AND EXPENSES

All fees and charges are payable in advance to the secretary of the University in Lincoln or at the office of the associate dean at the College in Omaha. No part of the fees can be refunded to a student who leaves after the beginning of the fourth week of the session. Such refunds should be called for at the time of withdrawal from a course or from the University.

The schedule of fees in the College of Medicine is as follows:

Matriculation fee .......................................................... $5
Diploma fee ................................................................. 5
Diploma, "eum laude," fee .................................. 10

No person can be recommended for a degree until he has paid all dues, including the fee for the diploma.

Special certificate of standing ........................................ $5

FIRST-YEAR AND SECOND-YEAR FEES

Tuition, first semester (or any single semester) .................. $25
Tuition, second semester .............................................. 20
For Anatomy only, each semester .................................. 15

LABORATORY FEES

Anatomy 1, 2, 3 .................................................. each $10
Anatomy 4 ............................................................... 3
Anatomy 8 ............................................................... 5
Anatomy 11, 12 .......................................................... graduated
Bacteriology 1 ............................................................ 8
Pathology 2 .............................................................. 10
Chemistry A, B, 1, 2, 3, 4, 34 ................................... each 5
Chemistry D .............................................................. 10
Embryology (Zoology 10) ............................................ 4 or 6
Histology (Zoology 9) .................................................. 6
Pharmacodynamics 1, 2 .............................................. each 4
Physiology 1, 2 ......................................................... each 3
Physiology 3 ............................................................. 4
Zoology 1, 2, general and medical ................................ each 2
Demonstration courses ................................................ 10
## Junior Year—Omaha

Fees for all required exercises, including all laboratory and clinic fees ........................................... $80
Breakage deposit ................................................................. 10
Examination fee ................................................................. 10

## Senior Year—Omaha

Fees for all required exercises, including laboratory and clinic fees... $80
Breakage deposit ................................................................. 10
Examination fee ................................................................. 10

Breakage in the laboratory and damage to the college property are charged to the individual or class responsible. In case the damage cannot be located, it is charged the class pro rata.

All fees are payable strictly in advance when the session opens. A student is not entitled to appear for any one of his final examinations until all his fees are paid.

A graduate of any recognized medical college who desires to attend the Omaha clinical work of the University of Nebraska College of Medicine may do so by paying a fee of $10.

In Omaha board and lodging cost from $3 to $5 a week. By means of clubs students materially reduce this expense. The Young Men’s Christian Association issues to students in the College of Medicine special season tickets at a very small cost, granting the privileges of the association’s building—baths, gymnasium, parlors, lectures, and concerts. Elegantly equipped rooms may be rented at reasonable prices. The location relative to the College makes the Young Men’s Christian Association building a convenient home for the students.

In Lincoln board and lodging may be secured in private families for from $3 to $5 a week. There are also numerous student clubs. The Young Men’s Christian Association and the Young Women’s Christian Association of the University
keep lists of boarding places. The Young Men's Christian Association of the University also maintains under the direction of the Registrar an employment bureau, the services of which are free to all students. In a city the size of Lincoln there are many opportunities for students to defray at least a part of their expenses. The University does not, however, guarantee employment.

**GENERAL COLLEGE PRIVILEGES**

Students in the College of Medicine have the privileges of other students in the University. The gymnasium is in charge of experts in physical training who advise each student as to the character and amount of physical exercise adapted to his case. For engaging in athletics there is abundant opportunity. Military drill is also offered.

**SIX-YEAR COMBINED COLLEGIATE AND MEDICAL COURSE**

The entrance requirements are given in the announcement for the College of Arts and Sciences.

Whenever possible, the student is advised to take this combined course, which leads to the bachelor's degree at the conclusion of four years, and to that of Doctor of Medicine at the end of six years. The work in Lincoln is known as that of the pre-medical group, which was adopted by the Board of Regents, April, 1902. The work of the group lays a broad foundation for the technical work of the last two years and gives the student not only the best possible training, but also the advantage of possessing the bachelor's degree.

If one wishes to complete both courses within six years, it is not possible to deviate materially from the program outlined below.

Details in regard to the non-technical courses which appear in this schedule, such as rhetoric, should be secured from the announcement of the undergraduate college.
### FIRST YEAR

<table>
<thead>
<tr>
<th>Course</th>
<th>1st Semester</th>
<th>2nd Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>General and Inorganic Chemistry (Chemistry 1, 2)</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Physics 1, 2</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Modern Language (German)</td>
<td>5</td>
<td>5</td>
</tr>
<tr>
<td>General and Medical Zoology (Zoology 1, 2)</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Rhetoric 1, 2</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Osteology (Zoology 8a)</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Military Drill</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>16</strong></td>
<td><strong>18</strong></td>
</tr>
</tbody>
</table>

### SECOND YEAR

<table>
<thead>
<tr>
<th>Course</th>
<th>1st Semester</th>
<th>2nd Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physics 3, 4</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Organic Chemistry (Chemistry 3, 4)</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Invertebrate and Vertebrate Morphology (Zoology 5, 8)</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Modern Language (German or French)</td>
<td>5</td>
<td>5</td>
</tr>
<tr>
<td>Botany 1, 2</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Military Drill</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>18</strong></td>
<td><strong>18</strong></td>
</tr>
</tbody>
</table>

### THIRD YEAR

<table>
<thead>
<tr>
<th>Course</th>
<th>1st Semester</th>
<th>2nd Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>General and Practical Anatomy (Anatomy 1, 2)</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Neurology (Anatomy 8)</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>General Physiology (Physiology 1, 2)</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Histology and Embryology (Zoology 9, 10)</td>
<td>4</td>
<td>2 or 3</td>
</tr>
<tr>
<td>Philosophy 1</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Physical and Physiological Chemistry (Chemistry 25, 34)</td>
<td>2</td>
<td>4</td>
</tr>
<tr>
<td>History of Medicine 1, 2</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>16</strong></td>
<td><strong>15 or 16</strong></td>
</tr>
</tbody>
</table>
FOURTH YEAR

<table>
<thead>
<tr>
<th>Course</th>
<th>1st Semester Hours</th>
<th>2nd Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Regional, Practical and Applied Anatomy</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>Advanced Physiology</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Pharmacodynamics</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Bacteriology</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Pathology 2</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>Clinical Diagnosis</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Urinary Analysis and Toxicology</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Demonstration Courses</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>Required Elective*</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>17</td>
<td>17</td>
</tr>
</tbody>
</table>

FOUR-YEAR MEDICAL COURSE

The course embraces four years of graded instruction, eight to nine months each, outlined in the following synopsis. To this course all students must conform. The year is divided into two semesters, approximately eighteen weeks each.

Examinations are held at the end of each year in all the work covered. Students failing in any of the final examinations of the year must pass such examinations either at the opening of the ensuing session or during the Christmas vacation following. Students failing in more than one-third of the work must take the entire work again.

FRESHMAN YEAR

<table>
<thead>
<tr>
<th>Course</th>
<th>1st Semester Hours</th>
<th>2nd Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>General and Practical Anatomy</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Anatomy of the Nervous System</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>Organic and Physiological Chemistry</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>General Physiology</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Histology and Embryology</td>
<td>4</td>
<td>2</td>
</tr>
<tr>
<td>History of Medicine</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>14</td>
<td>15</td>
</tr>
</tbody>
</table>

*The required elective is a three-hour course to be taken in any department in the College of Medicine elected by the student, the character of the work to be determined by consultation between the head of the department and the student.
### SOPHOMORE YEAR

<table>
<thead>
<tr>
<th>Course</th>
<th>1st Semester Hours</th>
<th>2nd Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Regional, Practical and Applied Anatomy (Anatomy 3, 4)</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>Advanced Physiology (Physiology 3)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Urinary Analysis and Toxicology (Chemistry 41)</td>
<td>4</td>
<td>2</td>
</tr>
<tr>
<td>Pharmacodynamics</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Bacteriology</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Pathology 2</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>Clinical Diagnosis (Pathology 4)</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Demonstration Courses</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>Required Elective*</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>17</td>
<td>17</td>
</tr>
</tbody>
</table>

### JUNIOR YEAR

<table>
<thead>
<tr>
<th>Course</th>
<th>1st Semester Hours</th>
<th>2nd Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Special Pathology</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Therapeutics</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Sanitation and State Medicine</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>Surgical Anatomy</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>Physical Diagnosis</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Medicine</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Surgery</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Obstetrics</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Bandaging and Dressing</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Prescription-Writing, Electro-Therapeutics</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Pediatrics</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>Ophthalmology and Otology</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>19</td>
<td>19</td>
</tr>
</tbody>
</table>

*The required elective is a three-hour course to be taken in any department in the College of Medicine elected by the student, the character of the work to be determined by consultation between the head of the department and the student.
### SENIOR YEAR

<table>
<thead>
<tr>
<th>Course</th>
<th>1st Semester Hours</th>
<th>2nd Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clinical Laboratory</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Nose and Throat</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Gynecology</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Surgery Conference and Practice</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Obstetrics</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Mental and Nervous Diseases</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Dermatology</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Therapeutics</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Jurisprudence</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>Life Insurance Examination</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>Ophthalmology and Otology</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Medicine</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>18</td>
<td>18</td>
</tr>
</tbody>
</table>

**Note.**—Dispensary and sectional clinics in addition throughout the year.
COURSES OF INSTRUCTION

ANATOMY

PROFESSOR WOLCOTT, ADJUNCT PROFESSOR POYNTER, DR. HILTNER, DR. WALKER, DR. WEKESSE; IN OMAHA, ASSOCIATE PROFESSOR STOKES

This department aims to present the subject of human anatomy in a thoroughly scientific manner. The laboratory work is done under constant surveillance. The modeling of bones and drawing of them and of soft parts from the subject as exposed in dissection are also prescribed in the course. The student is required to take frequent individual quizzes upon the cadaver; to demonstrate all parts dissected to a demonstrator; to attend class quizzes two or three times a week; and to pass occasional review quizzes and an individual oral final examination. The lectures supplement the laboratory work, dealing with such facts from embryology, comparative vertebrate anatomy, etc., as will add breadth to the students' view of the field.

The work in anatomy is preceded by courses in general zoology and comparative vertebrate anatomy and are so arranged as to secure a logical development of the subject. In the first year of the course the ground covered is osteology, and the anatomy of the arm, leg, trunk-wall, and urino-genital organs (Anatomy 1, 2), together with the central nervous system (Anatomy 8). In the following year the practical work is finished in the first semester by the study of the head, neck, and viscera (Anatomy 3), while in the second semester is given a general review of the subject of descriptive anatomy (Anatomy 3), together with regional and topographical anatomy (Anatomy 4); the last leads up to surgical anatomy in the junior year (Anatomy 5, 6), and thus the student comes directly to the application of the subject in clinical work.

The laboratory occupies rooms for lectures and quizzes, for osteology, for dissection, locker-room, preparation room, and store rooms. The dissecting room is divided into small rooms, one for each table, each under a large skylight and each provided with electric lights for dark days. To assist the student in his work, charts, models, anatomical preparations and carefully selected works of reference are close at hand for ready consultation.
COURSES

1. General and Practical Anatomy—Introductory principles; general descriptive anatomy. Laboratory work; osteology; dissection of human arm, leg, and trunk, exclusive of the viscera; urinogenital organs. One hour lecture. Two hours quiz. Eight hours laboratory. Four hours credit if taken in full; three hours if taken by those who have previously completed osteology (Zoology, 8a) or its equivalent. First semester, freshman year.

   PROFESSOR WOLCOTT, ADJUNCT PROFESSOR POYNTER AND DEMONSTRATORS


3. Advanced Practical Anatomy—Laboratory work; dissection of head, neck, and viscera. Three hours quiz. Eight hours laboratory. Four hours credit. First semester, sophomore year. General review quiz, second semester.

   PROFESSOR WOLCOTT, ADJUNCT PROFESSOR POYNTER AND DEMONSTRATORS

4. Applied Anatomy—Lectures and demonstrations on the cadaver; regional and topographical anatomy; relationships of anatomic details; practical application. Two hours attendance. Second semester, sophomore year. Two hours credit.

   ADJUNCT PROFESSOR POYNTER

5. Surgical Anatomy—Lectures, illustrated by charts, models and museum specimens; practical work on the cadaver. Designed to apply anatomy to surgery. Two hours lecture. First semester, junior year.

   ASSOCIATE PROFESSOR STOKES

6. Experimental Surgery—Intended to familiarize student with principles of surgical technique and asepsis by actual operations performed on animals, and done with the same care as on the human body. Optional for juniors, second semester. Three hour clinic.

   ASSOCIATE PROFESSOR STOKES


   PROFESSOR WOLCOTT
11. **Advanced Anatomy**—For those who have had Anatomy 1, 2 and 3, or a complete dissection of the body, and who desire to review the subject or to cover the anatomy of certain regions. Credit from two to five hours. Fee graduated. First semester.

**PROFESSOR WOLCOTT**


**PROFESSOR WOLCOTT**

### BACTERIOLOGY AND PATHOLOGY

**PROFESSOR WAITE, DOCTOR PILSBURY, MR. EMERSON**

#### BACTERIOLOGY

This course aims to build a firm foundation for the subsequent practical work in bacteriology. The study of form, structure, multiplication, requirements of growth and the chemical products is followed by applying the facts acquired to fermentation and putrefaction. In the latter half of the course pathogenic organisms are dealt with exclusively. The various ways in which bacteria gain entrance to the body, the changes which they bring about, and their final removal from the body are thoroughly explained. Attenuation and immunity are carefully discussed. Each of the bacterial diseases is then considered from the point of view of etiology. In the laboratory the preparation of culture media is first taken up. This is followed by a study of their growth on the various media. By these means both non-pathogenic and pathogenic organisms are isolated and identified. A thorough grounding in disinfection and sterilization is required by practical application of the principles discussed in lecture. Animals are inoculated in the presence of the class, which is required to isolate the organisms from the tissues of the animal and grow them in pure culture. Special attention is given to the practical bearing of methods of bacteriological diagnosis.

1. **Bacteriology**—Four hours lecture and quizzes. Eight hours laboratory. Four hours credit. First semester, sophomore year.

**PROFESSOR WAITE**

#### PATHOLOGY

The subject of general pathology is thoroughly reviewed. The origin of disease, disturbances of circulation, retrograde changes, inflammation and tumors are carefully studied. In conclusion the diseases of special organs are taken up according to their relative importance. In the lab-
Laboratory the student is required to identify about one hundred and fifty specimens, and, with the aid of the instructor, work out departures from the normal. From the facts thus acquired a diagnosis is made. Descriptions of all sections and drawings of all typical specimens are required to familiarize the student with recording changes seen and to train him in accuracy of observation.

**COURSES**

2. *Pathology*—Five hours lecture and quizzes. Eight hours laboratory. 
   Six hours credit. Second semester, sophomore year. 
   **Professor Waite**

4. *Clinical Diagnosis*—Normal and pathological blood, urine, gastric fluid, feces, and sputum. Blood is studied carefully in relation to its value in diagnosis; laboratory methods of staining, counting and observation of all kinds of blood. Routine work in examining normal and pathologic gastric secretions, urine, and feces; special investigations on the relation of metabolism in health and disease to ingesta and excreta. Clinical and bedside observations; elucidate application of such methods. Two hours attendance. One hour credit. Second semester, sophomore year. 
   **Doctor Everett**

**CHEMISTRY**

Head Professor Avery, Professor Dales, Adjunct Professor Fossler, 
Adjunct Professor Borrowman, Miss Graham

A general survey of chemistry, inorganic and organic, including the nature of chemical processes and the use of apparatus. 
Instruction by the lecture-laboratory method. 
Advanced students having the necessary experience and knowledge do research work under guidance. 

**COURSES**

A. *General Chemistry*—This course is designed to give a general view of chemistry. The lectures are highly illustrated with experiments and the fundamental principles of the science are emphasized. The non-metalllic elements are given special consideration. Three hours lecture. Four hours laboratory. Three hours credit. First semester. 
   **Professor Dales**
B. **General Chemistry**—Continuation of A. Especial attention is given to the metallic elements, the more common organic compounds and the applications of chemistry to every-day life. Prerequisite: A. Three hours lecture. Four hours laboratory. Three hours credit. Second semester. **PROFESSOR DALES**

D. **The Non-Metallic Elements**—Including the general principles of chemistry. The course is designed especially for those whose program of studies does not permit them to carry A and B before registering for 1. Such students will attend the same lectures as are given in A, and in addition one hour quiz at a time to be arranged. Three hours lecture. One hour quiz. Eight hours laboratory. Four hours credit. First semester. **PROFESSOR DALES**

(Note: A and B are not to be confused with courses of the same designation previously given. These courses are designed to present the subject to students in the College of Arts and Sciences and in the Teachers College. No previous training in chemistry is required. The course previously termed A is now replaced by course D, while the older B is now designated combined 1 and 2.

In general, students desiring to study chemistry who enter the University with two points credit should register for Chemistry 1. Students with less than two points are expected, unless advised otherwise, to register as follows: Those in the College of Arts and Sciences and in the Teachers College will register for A. Students in the College of Engineering, and the College of Medicine will register for D.)

1. **Qualitative Analysis**—Elementary course required of technical and scientific students. Must be preceded by Course D or its equivalent (see announcement for College of Arts and Sciences and the College of Engineering). Two hours attendance. Four hours laboratory. Two hours credit. First semester, freshman year. **ADJUNCT PROFESSOR BORROWMAN**

2. **Qualitative Analysis**—1 continued. Introduction to quantitative analysis included. Elementary course required of technical and scientific students. Prerequisite: Course 1. Two hours attendance. Four hours laboratory. Two hours credit. Second semester, freshman year. **ADJUNCT PROFESSOR BORROWMAN**
1 and 2 (combined course). **Qualitative Analysis.** Four hours attendance. Eight hours laboratory. Four hours credit. Second semester. **Professor Dales**

3. **Elementary Organic Chemistry**—The important classes of organic substances. Preparation, in laboratory, of typical compounds. Three hours attendance. Six hours laboratory. Three hours credit. First semester, sophomore year. **Adjunct Professor Fossler**

3a. **Organic Chemistry**—The aliphatic and benzene derivatives as given in courses 3 and 4, abbreviated for four-year medical and dental students only. Three hours lecture. Six hours laboratory. Three hours credit. First semester, freshman year. Miss Graham


25. **Physical Chemistry**—Elementary course; the general principles of physical chemistry with applications to chemistry and to other sciences. Required in six-year course; elective in four-year course. Two hours credit. First semester. **Professor Dales**

34. **Physiological Chemistry**—The organic compounds and chemical processes of physiological importance. Four hours attendance. Eight hours laboratory. Four hours credit. Second semester, sophomore year. **Adjunct Professor Fossler**

41. **Urine Analysis and Toxicology**—Chemical composition of urine in health and in disease; methods for the detection of abnormal constituents; physiological properties of and methods for detecting poisons. Must be preceded by courses 1, 2, 3 and 4. Four hours lecture. Eight hours laboratory. Four hours credit. First semester. **Adjunct Professor Fossler**

**HISTORY OF MEDICINE**

**Doctor Orr**

1. **History of Medicine and Medical Literature**—Lecture and study course dealing with men who have contributed to medical knowledge from the earliest times to the present. One hour lecture. One hour credit. First semester, freshman year. **Doctor Orr**
2. **History of Medicine and Medical Literature**—1 continued. Development of medicine in its different branches as an abstract department of knowledge. Reading and note-taking. Special study of library methods and medical literature, medical cataloging and bibliography. One hour lecture. One hour credit. Second semester, freshman year. **DOCTOR ORR**

**HYGIENE AND STATE MEDICINE**
**PROFESSOR TOWNE, PROFESSOR CLAPP**


**SANITATION AND STATE MEDICINE**


4. **Sanitation and State Medicine**—3 continued. Second semester.

**PATHOLOGIC ANATOMY AND CLINICAL PATHOLOGY**
**ASSOCIATE PROFESSOR WOOLLEY**

The course in general and special pathologic anatomy and histology is specially designed to apply to the principles of general pathology, to organic and systemic abnormal alterations, and to bring out the close relations of these alterations to clinical symptoms. Instructions by the lecture-laboratory method, each exercise being a didactic quiz.
Each student is required to write a résumé on some assigned subject and to present it before the class.

In addition to this all the students attend and assist at autopsies, make a study of the gross pathologic appearance and later see sections of the tissue.

The work in Clinical Pathology covers examinations of blood, feces, urine, gastric contents, sputum, and other secretions and excretions from the chemical and misericopical standpoints. Especial attention is paid to the study of normal and pathologic blood, in fresh and stained conditions.

1. Pathologic Anatomy—Lectures, demonstrations and quizzes in special pathology, post mortem technique and gross pathology. Two hours. First semester, junior year.

   ASSOCIATE PROFESSOR WOOLLEY


3. Pathologic Anatomy—Conferences on current problems of general and special pathology for half the class. Two hours. Second semester, junior year.

   ASSOCIATE PROFESSOR WOOLLEY

4. Clinical Diagnosis—First semester, junior year, two hours lectures and demonstrations. Some work outside of regular hours is also required.

   ASSOCIATE PROFESSOR WOOLLEY

5. Clinical Diagnosis—Members of the senior class examine specimens, obtained from clinical cases, in the laboratory under the supervision of the professor in charge and report to the professor holding the clinic. First semester, senior year.

   ASSOCIATE PROFESSOR WOOLLEY


PHARMACODYNAMICS

PROFESSOR LYMAN

The physiological action of the principal drugs used in medicine are studied in detail. The laboratory work consists of the injection of a drug into a lower animal. The amount necessary to produce the physiological effect is watched and the changes produced in the vital phenomena are observed. Finally the application of the drug is considered. Sufficient time will also be given to the subject to thoroughly familiarize
the student with the preparations of various drugs and their comparative values, methods of administration and conditions which influence their action.

1. **Pharmacodynamics**—Combined lecture, demonstration, and laboratory course. Two hours credit. First semester, sophomore year.

   **ASSOCIATE PROFESSOR LYMAN**

2. **Pharmacodynamics—**1 continued. Second semester, sophomore year.

   **ASSOCIATE PROFESSOR LYMAN**

### PHYSIOLOGY

**PROFESSOR GUENTHER**

A consideration of the facts and theories underlying the functions of muscle and nerve, of secretion, digestion, absorption, blood and lymph, circulation, respiration, animal heat, metabolism, the central nervous system, special senses and reproduction.

1. **General Animal Physiology**—Combined lecture, demonstration and laboratory course. Two hours quiz. Three hours laboratory. Two hours credit. First semester, freshman year.

   **PROFESSOR GUENTHER**


3. **Advanced Physiology**—Three hours quiz. Three hours laboratory. Three hours credit. First semester, sophomore year.

   **PROFESSOR GUENTHER**

### THERAPEUTICS

**PROFESSOR CRUMMER, DOCTOR JEFFERSON, DOCTOR MANNING**

1. **Therapeutics**—All drugs which under the test of modern investigation have been found useful in treatment of disease and disease symptoms. Direct application of the scientific data obtained thru pharmacodynamics to the alleviation of suffering. Questions of treatment considered as matters of direct argument from physiology and pathology rather than as mere memory work. Assigned reading given out on each special topic before the lecture. Personal quizzing; prescription writing demanded as a part of each quiz. One hour a week. First semester, junior year.

   **DOCTOR MANNING**
2. Therapeutics—1 continued. Second semester, junior year.

Doctor Manning

3. Therapeutic Measures Other Than Drugs—Importance of many forms of mechanical, physical and hygienic treatment of recent emphasis in therapeutics. Indication and application of these various measures. Hygiene, diet, massage, exercise, newer ideas of mechanical therapeutics; newer developments of immunity and serum treatment. One hour lecture or quiz. First semester, junior year.

Doctor Jefferson


Doctor Jefferson

5. Advanced Therapeutics—Practical course. Necessity for definite plans of treatment based upon logical reasoning shown in the more prominent diseases. Will embrace the direct application of all forms of therapeutic aid. Lectures and quizzes. As full clinical practice by student as possible in necessary therapeutic manipulations, such as catheterization, anesthetization, etc. In clinics special attention paid to analyzing cases for therapeutic indications. One hour a week. Senior year.

Professor Crummer

6. Advanced Therapeutics—5 continued. One hour a week. Senior year.

Professor Crummer

7. Seminar in Therapeutics—Arranged at opening of school year. Each student will make an investigation and report upon some of the modern specialized forms of therapeutics, such as Nauheim treatment, Carlsbad treatment, Finsen treatment. Careful investigation of the topic; criticism by the instructor. Report to class. Class discussion. Senior year. By appointment.

Professor Crummer

Zoology

Head Professor Ward, Professor Willard, Associate Professor Barker, Associate Professor Powers, and Assistants

The laboratory has Zeiss and Leitz microscopes, Reinholt-Giltay, Minot and Thomas microtomes, Lillie and Naples paraffin baths, and all necessary subsidiary apparatus. The departmental library adjacent and freely accessible contains 2,000 works on animal morphology and physi-
ology. A series of specimens from the Naples Zoological Station—one of injected tissues by Thiersch and embryological models by Ziegler and Dahlgren—are among the illustrative material.

**GENERAL AND MEDICAL ZOOLOGY**

1. **Introduction to Animal Biology and Medical Zoology**—Fundamental properties of protoplasm. Structure and activities of the cell. Its division. Maturation and fertilization of reproductive cells. Development and differentiation into germ layers, tissues, organs, and animals. Study of animals of special interest in clinical work, as hematozoa and helminthes. Two hours lecture and quiz. Four hours laboratory. Three hours credit. First semester, freshman year (in six and five-year courses).

   **ASSOCIATE PROFESSOR POWERS**

2. **Introduction to Animal Biology and Medical Zoology—Continued.** Second semester.

   A. **Introduction to Animal Biology and Medical Zoology**—For those who enter with the opening of the second semester. Equivalent to courses 1 and 2. Five hours lectures and quiz. Eight hours laboratory. Five hours credit. **ASSOCIATE PROFESSOR BARKER**

17. **Animal Parasites of Man**—Laboratory study, with assigned reading. Two hours credit. Elective, first semester, sophomore year. **HEAD PROFESSOR WARD**

28. **Parasites of Man**—Various forms of entozoa chiefly; their relation to disease; demonstrations and assigned collateral reading. Two hours attendance. Two or three hours credit. Elective, second semester, sophomore year. **HEAD PROFESSOR WARD**

**HISTOLOGY AND EMBRYOLOGY**

9. **Normal Histology**—Microscopic structure of tissues and organs, illustrated with drawings, models and demonstrations with lantern and projection microscope. Two hours lecture and quiz. Eight hours laboratory. Four hours credit. First semester, freshman year. **PROFESSOR WILLARD**

10. **Vertebrate Embryology**—Survey of general embryology. Review of development of man. Laboratory work on the frog, chick and pig. Methods of graphic and plastic reconstruction. Two hours
DEMONSTRATION COURSES

DOCTOR ORR, DR. LEHNHOFF

These courses are designed to serve as an introduction to the clinical instruction of the last two years. They are given in the second semester, sophomore year, each course running through five full weeks of actual instruction. Four hours attendance. Two hours credit.

a. Physical Diagnosis—Demonstration course. Methods of applying, for diagnostic purposes, knowledge gained in anatomical and physiological laboratories. Instruction in methods of examining patients and in the use of special appliances for physical diagnosis.

DOCTOR ORR


DOCTOR LEHNHOFF
CLINICAL DEPARTMENT

CLINICAL INSTRUCTION

With cases in all departments of medicine and surgery the student is brought face to face. The 200,000 population of Omaha, South Omaha, and Council Bluffs, with their manufacturing industries, furnish the hospitals a great variety of cases in all branches of medicine and surgery. For instruction in accident and railway surgery there are unusual opportunities.

SECTION CLINICS

At the beginning of each year the senior class is divided into sections of three students each. Some of these attend section clinics daily at the various hospitals, each professor inviting the sections in regular rotation. These section clinics, both medical and surgical, afford extensive facilities for the most effective kind of clinical teaching—individual instruction. In physical diagnosis the student has ample practice, being required to make examinations and to reach a logical diagnosis. The instructor explains each case as fully as possible and then outlines the treatment. By this section-clinic method of instruction the student gets much more positive information than he can in the large general clinics.
<table>
<thead>
<tr>
<th>Hour</th>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
<th>Thursday</th>
<th>Friday</th>
<th>Saturday</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td><strong>Truelson</strong> Physical Diagnosis</td>
<td></td>
<td></td>
<td><strong>Truelson</strong> Physical Diagnosis</td>
<td></td>
<td><strong>Immanuel Hosp.</strong> (c)</td>
</tr>
<tr>
<td>9</td>
<td><strong>Manning</strong> Therapeutics</td>
<td><strong>Woolley</strong> Bacteriology Elective</td>
<td><strong>Bliss</strong> Principles of Medicine</td>
<td><strong>Jefferson</strong> Therapeutics</td>
<td></td>
<td><strong>Davis</strong> Truelson Christie</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>9 to 12</td>
</tr>
<tr>
<td>10</td>
<td><strong>Hollister</strong> Surgery Recitation</td>
<td><strong>Truelson</strong> Medicine County Hospital</td>
<td><strong>Pollard</strong> Obstetrics Recitation</td>
<td><strong>Pollard</strong> Obstetrics</td>
<td></td>
<td><strong>Macrae</strong> Surgery</td>
</tr>
<tr>
<td>11</td>
<td><strong>Pollard</strong> Obstetrics Recitation</td>
<td><strong>McClanahan</strong> Christie Pediatrics Arena</td>
<td><strong>Pollard</strong> Obstetrics Recitation</td>
<td><strong>Hollister</strong> Surgery Recitation</td>
<td></td>
<td><strong>Treynor</strong> Medicine</td>
</tr>
<tr>
<td>1</td>
<td><strong>Stokes</strong> Genito-Urinary and Rectal Surgery</td>
<td><strong>McClanahan</strong> Christie Pediatrics Arena</td>
<td><strong>Dispensary and Drug Room Section</strong></td>
<td><strong>Dispensary and Drug Room Section</strong></td>
<td><strong>Bliss</strong> Medicine Arena</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td><strong>Woolley</strong> Pathology Laboratory</td>
<td><strong>Davis</strong> Principles of Surgery</td>
<td><strong>Peterson</strong> Medicine Recitation</td>
<td><strong>Davis</strong> Principles of Surgery</td>
<td><strong>Peterson</strong> Medicine Recitation</td>
<td><strong>Woolley</strong> (a) Laboratory Pathology</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Stokes</strong> (a) Surgical Anatomy</td>
<td><strong>Hull</strong> Surgery Recitation</td>
<td><strong>Christie</strong> (a) Pediatrics Recitation</td>
<td><strong>Stokes</strong> (a) Surgical Anatomy</td>
<td>2 to 4</td>
</tr>
<tr>
<td>3</td>
<td><strong>Jensen</strong> (b) Electro-Therapeutics</td>
<td><strong>Towne</strong> (b) Sanitation and State Medicine</td>
<td><strong>Lemere</strong> (b) Ophthalmology and Otology</td>
<td><strong>Towne</strong> (b) Sanitation and State Medicine</td>
<td></td>
<td><strong>Stokes</strong> (b) Experimental Surgery</td>
</tr>
<tr>
<td>4</td>
<td><strong>Goetz</strong> Medicine Recitation</td>
<td><strong>Manning</strong> Therapeutics</td>
<td><strong>Goetz</strong> Medicine Recitation</td>
<td><strong>Hull</strong> Surgery Recitation</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

(a) First Semester. (b) Second Semester. (c) Alternate Months.
<table>
<thead>
<tr>
<th>Hour</th>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
<th>Thursday</th>
<th>Friday</th>
<th>Saturday</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>Clinical Laboratory</td>
<td></td>
<td></td>
<td></td>
<td>Clinical Laboratory</td>
<td>Immanuel Hosp.</td>
</tr>
<tr>
<td></td>
<td><strong>Owen</strong>&lt;br&gt;Laryngology and Rhinology</td>
<td><strong>Milroy</strong>&lt;br&gt;Medicine Conference</td>
<td><strong>Jonas</strong>&lt;br&gt;Surgery Methodist Hospital</td>
<td><strong>Findley</strong>&lt;br&gt;Gynecology Clarkson Hospital</td>
<td><strong>Owen</strong>&lt;br&gt;Laryngology and Rhinology</td>
<td><strong>Davis</strong>&lt;br&gt;Trueison Christie</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td><strong>9 to 12</strong></td>
</tr>
<tr>
<td>10</td>
<td><strong>Findley</strong>&lt;br&gt;Gynecology</td>
<td><strong>Stokes</strong>&lt;br&gt;Genito-Urinary and Rectal Surgery</td>
<td><strong>Bridges</strong>&lt;br&gt;Medicine Methodist Hospital</td>
<td><strong>McClanahan</strong>&lt;br&gt;Pediatrics</td>
<td><strong>Schalek</strong>&lt;br&gt;(b) Glick (a) Dermatology</td>
<td>County Hospital</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td><strong>Schalek</strong>&lt;br&gt;(a)&lt;br&gt;Aikin (b)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td><strong>8:30 to 9:30</strong></td>
</tr>
<tr>
<td>11</td>
<td><strong>Jonas</strong>&lt;br&gt;Surgery Conference</td>
<td><strong>Jonas</strong>&lt;br&gt;Practice of Surgery</td>
<td><strong>Woolley</strong>&lt;br&gt;Methodist Hospital Clinical Laboratory 1 to 2:30</td>
<td><strong>Crummer</strong>&lt;br&gt;Therapeutics</td>
<td><strong>Bliss</strong>&lt;br&gt;Medicine Arena</td>
<td><strong>Milroy</strong>&lt;br&gt;(a)&lt;br&gt;Bridges (b) Ludington (b)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td><strong>9:30 to 11</strong></td>
</tr>
<tr>
<td>1</td>
<td><strong>Stokes</strong>&lt;br&gt;Genito-Urinary and Rectal Surgery</td>
<td><strong>McClanahan</strong>&lt;br&gt;Christie Pediatrics Arena or Child Saving Institute</td>
<td><strong>Gifford</strong>&lt;br&gt;Ophthalmology and Otology Methodist Hospital 2:30 to 4</td>
<td><strong>Findley</strong>&lt;br&gt;Gynecology</td>
<td><strong>Cloyd</strong>&lt;br&gt;(a) Life Insurance Examinations</td>
<td><strong>Ramsey</strong>&lt;br&gt;Fractures and Dislocations</td>
</tr>
<tr>
<td>2</td>
<td><strong>Somers</strong>&lt;br&gt;Obstetrics</td>
<td><strong>Aikin</strong>&lt;br&gt;Nervous Diseases</td>
<td><strong>Ward</strong>&lt;br&gt;(a) Parasitic Diseases</td>
<td><strong>Findley</strong>&lt;br&gt;Gynecology</td>
<td><strong>Moore</strong>&lt;br&gt;(b) Mental Diseases</td>
<td><strong>Morison</strong>&lt;br&gt;(c) Operative Surgery</td>
</tr>
<tr>
<td>3</td>
<td><strong>Ludington</strong>&lt;br&gt;Medicine</td>
<td><strong>Mogridge</strong>&lt;br&gt;(b) Arrested Development</td>
<td><strong>Bridges</strong>&lt;br&gt;Medicine Conference</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td><strong>Page</strong>&lt;br&gt;(b) Medical Jurisprudence</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

(a) First Semester.  (b) Second Semester.  (c) Alternate Months.
### HOURS DEVOTED TO EACH SUBJECT

(On the basis of thirty-two weeks of actual instruction in each year.)

<table>
<thead>
<tr>
<th>Subject</th>
<th>First Year</th>
<th>Second Year</th>
<th>Third Year</th>
<th>Fourth Year</th>
<th>Entire Course</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ANATOMY:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>General</td>
<td>32</td>
<td>32</td>
<td>32</td>
<td>32</td>
<td>774</td>
</tr>
<tr>
<td>Practical and Quiz Work</td>
<td>64 128</td>
<td>64 128</td>
<td>112 176</td>
<td>238</td>
<td></td>
</tr>
<tr>
<td>Nervous System</td>
<td>16 64</td>
<td>16 64</td>
<td>16 64</td>
<td>32</td>
<td></td>
</tr>
<tr>
<td>Applied (surgical)</td>
<td>48 96</td>
<td>48 96</td>
<td>48 96</td>
<td>96</td>
<td></td>
</tr>
<tr>
<td>Physiology</td>
<td>32 128</td>
<td>32 128</td>
<td>32 128</td>
<td>96</td>
<td></td>
</tr>
<tr>
<td>Chemistry</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Organic</td>
<td>48 96</td>
<td>48 96</td>
<td>48 96</td>
<td>96</td>
<td></td>
</tr>
<tr>
<td>Physiological</td>
<td>48 96</td>
<td>48 96</td>
<td>48 96</td>
<td>96</td>
<td></td>
</tr>
<tr>
<td>Urology</td>
<td>32 128</td>
<td>32 128</td>
<td>32 128</td>
<td>96</td>
<td></td>
</tr>
<tr>
<td>Histology</td>
<td>32 128</td>
<td>32 128</td>
<td>32 128</td>
<td>96</td>
<td></td>
</tr>
<tr>
<td>Embryology</td>
<td>32 128</td>
<td>32 128</td>
<td>32 128</td>
<td>96</td>
<td></td>
</tr>
<tr>
<td>History of Medicine</td>
<td>32 128</td>
<td>32 128</td>
<td>32 128</td>
<td>96</td>
<td></td>
</tr>
<tr>
<td>Pharmacodynamics</td>
<td>32 128</td>
<td>32 128</td>
<td>32 128</td>
<td>96</td>
<td></td>
</tr>
<tr>
<td>Bacteriology</td>
<td>32 128</td>
<td>32 128</td>
<td>32 128</td>
<td>96</td>
<td></td>
</tr>
<tr>
<td>Pathology</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>General</td>
<td>32 128</td>
<td>32 128</td>
<td>32 128</td>
<td>96</td>
<td></td>
</tr>
<tr>
<td>Pathologic Anatomy</td>
<td>32 128</td>
<td>32 128</td>
<td>32 128</td>
<td>96</td>
<td></td>
</tr>
<tr>
<td>Clinical Diagnosis</td>
<td>32 128</td>
<td>32 128</td>
<td>32 128</td>
<td>96</td>
<td></td>
</tr>
<tr>
<td>Surgical</td>
<td>32 128</td>
<td>32 128</td>
<td>32 128</td>
<td>96</td>
<td></td>
</tr>
</tbody>
</table>

### MEDICINE:

<table>
<thead>
<tr>
<th>Subject</th>
<th>First Year</th>
<th>Second Year</th>
<th>Third Year</th>
<th>Fourth Year</th>
<th>Entire Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical Diagnosis</td>
<td>60 30</td>
<td>60 30</td>
<td>60 30</td>
<td>30 30</td>
<td>120</td>
</tr>
<tr>
<td>Internal Medicine</td>
<td>150 90</td>
<td>90</td>
<td>90 30</td>
<td>90 30</td>
<td>270</td>
</tr>
<tr>
<td>Parasitic Diseases</td>
<td>90 30</td>
<td>90</td>
<td>90 30</td>
<td>90 30</td>
<td>270</td>
</tr>
</tbody>
</table>

### SURGERY:

<table>
<thead>
<tr>
<th>Subject</th>
<th>First Year</th>
<th>Second Year</th>
<th>Third Year</th>
<th>Fourth Year</th>
<th>Entire Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fractures and Dislocations</td>
<td>90</td>
<td>90</td>
<td>90</td>
<td>90</td>
<td>90</td>
</tr>
<tr>
<td>Principles</td>
<td>90</td>
<td>90</td>
<td>90</td>
<td>90</td>
<td>90</td>
</tr>
<tr>
<td>Bandaging and Dressing</td>
<td>90</td>
<td>90</td>
<td>90</td>
<td>90</td>
<td>90</td>
</tr>
<tr>
<td>Practice</td>
<td>90</td>
<td>90</td>
<td>90</td>
<td>90</td>
<td>90</td>
</tr>
</tbody>
</table>

### THERAPEUTICS:

<table>
<thead>
<tr>
<th>Subject</th>
<th>First Year</th>
<th>Second Year</th>
<th>Third Year</th>
<th>Fourth Year</th>
<th>Entire Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electro-therapeutics</td>
<td>16</td>
<td>16</td>
<td>16</td>
<td>16</td>
<td>16</td>
</tr>
</tbody>
</table>

### SURGICAL CONFERENCE:

<table>
<thead>
<tr>
<th>Subject</th>
<th>First Year</th>
<th>Second Year</th>
<th>Third Year</th>
<th>Fourth Year</th>
<th>Entire Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>Surgical Conference</td>
<td>60</td>
<td>60</td>
<td>60</td>
<td>60</td>
<td>60</td>
</tr>
<tr>
<td>Surgical Quizies</td>
<td>90</td>
<td>90</td>
<td>90</td>
<td>90</td>
<td>90</td>
</tr>
</tbody>
</table>

### CLINICS AND INSTRUCTIONS:

<table>
<thead>
<tr>
<th>Subject</th>
<th>First Year</th>
<th>Second Year</th>
<th>Third Year</th>
<th>Fourth Year</th>
<th>Entire Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANATOMY:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>774</td>
</tr>
<tr>
<td>CHEMISTRY:</td>
<td></td>
<td></td>
<td>499</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PATHOLOGY:</td>
<td></td>
<td></td>
<td>520</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MEDICINE:</td>
<td></td>
<td></td>
<td>6321</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SURGERY:</td>
<td></td>
<td></td>
<td>5181</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Assignment of Sections to Operative Surgery, Experimental Surgery, Disp., etc.)
### HOURS DEVOTED TO EACH SUBJECT—CONCLUDED

(On the basis of thirty-two weeks of actual instruction in each year)

<table>
<thead>
<tr>
<th></th>
<th>First Year</th>
<th>Sec'd Year</th>
<th>Third Year</th>
<th>Fourth Year</th>
<th>Entire Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sanitation and Hygiene</td>
<td>28</td>
<td>28</td>
<td>28</td>
<td>28</td>
<td>28</td>
</tr>
<tr>
<td>Gynecology</td>
<td>(Assignment to Dispensary)</td>
<td>72</td>
<td>30</td>
<td>24</td>
<td></td>
</tr>
<tr>
<td>Obstetrics</td>
<td>90</td>
<td>50</td>
<td>60</td>
<td>110</td>
<td>150</td>
</tr>
<tr>
<td>Diseases of Eye and Ear</td>
<td>14</td>
<td>20</td>
<td>45</td>
<td>44</td>
<td>45</td>
</tr>
<tr>
<td>Diseases of Nose and Throat</td>
<td>48</td>
<td>15</td>
<td>48</td>
<td>15</td>
<td></td>
</tr>
<tr>
<td>Mental and Nervous Diseases</td>
<td>30</td>
<td>15</td>
<td>30</td>
<td>15</td>
<td></td>
</tr>
<tr>
<td>Pediatrics</td>
<td>16</td>
<td>30</td>
<td>15</td>
<td>16</td>
<td></td>
</tr>
<tr>
<td>Dermatology</td>
<td>18</td>
<td>30</td>
<td>15</td>
<td>16</td>
<td></td>
</tr>
<tr>
<td>Gastro-Intestinal Diseases</td>
<td>30</td>
<td>30</td>
<td>80</td>
<td>80</td>
<td></td>
</tr>
<tr>
<td>Medical Jurisprudence</td>
<td>14</td>
<td>14</td>
<td>14</td>
<td>14</td>
<td></td>
</tr>
<tr>
<td>Drug Room and Dispensary</td>
<td>150</td>
<td>120</td>
<td>120</td>
<td>150</td>
<td>270</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>388,864</td>
<td>482,658</td>
<td>810,270</td>
<td>826,750</td>
<td>1,486,090</td>
</tr>
</tbody>
</table>

**Total for each year...**

<table>
<thead>
<tr>
<th>lst yr.</th>
<th>2d yr.</th>
<th>3d yr.</th>
<th>4th yr.</th>
<th>Entire Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>1329</td>
<td>1329</td>
<td>1338</td>
<td>1098</td>
<td>4860</td>
</tr>
</tbody>
</table>

**Notes.—** The time actually spent on the first year's work is usually less, since part of the studies have been anticipated by all who take the five or six year college course.

Assignment to cases in addition to time given.

The time assigned to these departments is really greater, since they share in the dispensary work, etc. It is difficult to reduce this to figures, but it constitutes a very important part of the course.
INTERNAL MEDICINE

PROFESSOR BRIDGES, PROFESSOR MILROY, PROFESSOR TREYNOR, PROFESSOR WARD, DOCTOR PETERSON, DOCTOR GOETZ, DOCTOR BLISS

CLINICAL ASSISTANT: DOCTOR TRUELSSEN

1. Physical Diagnosis—General principles. Demonstrations of topography of head, chest, and abdomen. Physical signs in health learned by direct personal examination. Lectures treat of normal conditions. Two hours lecture and recitation. First semester, junior year. DOCTOR TRUELSSEN

2. Physical Diagnosis—1 continued. Physical signs in disease, and their clinical demonstration on cases taken from dispensary and hospital wards. Second semester, junior year. Three hours. DOCTOR TRUELSSEN

3. Internal Medicine—General diseases, including infections and diseases of stomach and intestines, lungs and kidneys. All diseases pertaining to internal medicine; regular recitations held thereon afford theoretical knowledge of the etiology, pathology, symptomatology, diagnosis, and treatment of disease. In clinic in College building the cases are selected from out-door dispensary, and usually represent seasonable diseases of ambulatory type. First semester, junior year. (a) One hour lecture. DOCTOR BLISS. (b) Four hours recitation. DOCTORS PETERSON and GOETZ. (c) One hour clinic. DOCTOR BLISS. Two hours clinic, Douglas County Hospital or Immanuel Hospital. PROFESSOR MILROY, DOCTOR LUDINGTON, DOCTOR TRUELSSEN.


5. Internal Medicine—Includes subjects not lectured on in junior year. Elucidation of cases seen in hospital clinics, and of cases in private practice, illustrative of the subjects under consideration. Two hours weekly in conference. Members of senior class in rotation assigned cases for examination and study in dispensary clinic or at one of the affiliated hospitals, report thereon before class and professor. Full discussion and report of case follow; etiology, pathology, symptoms, diagnosis, prognosis, and treatment discussed. One clinic each week in College building, on cases selected from the large amount of material furnished by the
dispensary. Two hours weekly at the Douglas County Hospital or the Immanuel Hospital; two hours weekly at the Methodist Hospital. Careful direction here given to elaboration of clinical histories and to physical examination of chest and abdomen. Sputum, urine, and blood of patients examined by sections of the class in the college laboratory under direction of professor of pathology and reports made thereon. First semester, senior year. (a) One hour lecture. DOCTOR LUDINGTON. Two hours conference. PROFESSORS BRIDGES and MILROY. (b) Two hours clinics in the College. DOCTORS TRUELSSEN and BLISS. (c) Four hours hospital clinics. PROFESSORS MILROY, BRIDGES, DOCTOR LUDINGTON, DOCTOR TRUELSSEN.


7. Special Clinics—To those clinics in above-mentioned hospitals, and also in the Jennie Edmundson Hospital, Council Bluffs, sections of the senior class are invited in rotation. Especial attention to diseases of the heart, lungs, and kidneys. The small classes are enabled to make close study of cases. First semester, senior year. PROFESSORS BRIDGES, MILROY, and TREYNOR.


9. Animal Parasites and Parasitic Diseases—Lectures on structure, life history, and distribution of those animals which stand in especial relation to the etiology and transmission of disease. Laboratory exercises and demonstrations on the animal parasites of man, with the technique of helminthological diagnosis. One hour lecture. First semester, senior year. PROFESSOR WARD.

11. Life Insurance Examinations—The nature and growth of life insurance; elementary principles of life insurance; duties and responsibilities of examiners; influence of different diseases, heredity, occupation and habits on expectancy of life; proper technique in examining applicants for life insurance. First semester, senior year. DOCTOR CLOYD.
1. Principles of Surgery—Principles of surgery; full description of the classification of tumors, their pathology, differentiation, relation to general diseases, manifestations, operative and non-operative methods of treatment. Subjects assigned for recitation covering lectures on principles of surgery, surgical pathology and tumors, the practice of surgery, surgical diseases, fractures and dislocations. In College Dispensary cases are presented for diagnosis, operation and treatment. At this clinic a considerable number of minor surgical cases receive attention, minor operations often being performed. Clinics at Douglas County and Immanuel Hospitals; operations for all manner of surgical diseases. Practical use of anesthetics, both local and general, considered at these clinics. First semester, junior year. (a) Two hours lecture. Professor Davis. (b) Four hours recitation. Doctors Hull and Hollister. (c) Two hours dispensary clinic. One hour hospital clinic. Professors Jonas and Davis, Doctors Hull, Morison and Hollister.


3. Bandaging—Uses and application of bandaging, plaster of Paris (including its preparation) and other surgical dressings. Practical work under the direction of the instructor. One hour weekly. First semester, junior year. Doctor Edmiston

5. Practice of Surgery—Covers part of ground gone over in recitations of junior year. References to observations in hospital clinics frequently recalled and elaborated to fix essential points in diagnosis and treatment. Subjects of hospital clinics brought up for conference in the class-room, when cases are more thoroughly discussed than the time allotted to operative work permits. Members of class in rotation assigned cases for examination, or illustrative cases cited upon which they are required to make reports on diagnosis, pathology, and treatment. Reports critically discussed in conference. Two hours general clinic at College Dispensary, principally on minor surgery, including exam-
igation, diagnosis, treatment and minor operations. Two hours at Nebraska Methodist Hospital in general and major surgery at which cases illustrative of the lecture course in practical surgery are thoroughly demonstrated, at which there are regular operation on all regions of the body. Two hours at Immanuel, Wise Memorial, or Douglas County Hospitals, also furnish opportunity for similar instruction. Members of the class required to assist at operations and administer anesthetics under direction as occasions arise. First semester, senior year. (a) One hour lecture. One hour conference. PROFESSOR JONAS. (b) Six hours clinics. PROFESSORS JONAS and DAVIS.


8. Demonstrations—Each member of the class individually instructed in performing surgical operations on the cadaver. He is required to master the details and steps of the more common operations necessary in practice, and is called on at times to perform ligations, amputations, excisions, celiotomies for various abdominal diseases, paracentesis, pleurotomy, rib resection, trephining. Second semester, senior year.

    PROFESSOR JONAS, DOCTOR MORISON

9. Section Clinics—Special clinics by appointment in all of the hospitals mentioned above and the Jennie Edmundson Hospital, Council Bluffs. These clinics afford work in all branches of general and special surgery. First semester, senior year.

    PROFESSORS JONAS, DAVIS, MACRAE, JR., AND ASSOCIATE PROFESSOR STOKES


12. Oral Surgery—Short course of lectures on the surgery of the mouth, in its relation to diseases of the teeth and alveolar processes; care of teeth and influence of neglect of mouth in production of general and stomach disorders. Second semester, senior year.

    DOCTOR HUNT

13. Laboratory Course in Surgical Pathology—Gross and microscopic specimens demonstrated from a diagnostic point of view.

    DOCTORS HOLLISTER AND KENNEDY
ORTHOPEDIC SURGERY

1. Orthopedic Surgery—Various deformities; diagnosis, pathology and treatment. Joint diseases; their mechanical and other treatment. Practical study of the subjects of the lectures at surgical clinics in Omaha and Douglas County Hospitals. Operative procedures and the study of progress in the cases treated. One hour lecture. First semester, senior year. PROFESSOR JONAS


GENITO-URINARY SURGERY

A systematic course, including the use of the cystoscope and endoscope, is given on the diseases affecting the genito-urinary organs. In the dispensary clinic the practical application of these instruments, the use of sounds, and local treatment of the mucous membrane of the urethra and bladder are studied. Section clinics at the Douglas County Hospital offer opportunities for the study of venereal diseases, including syphilis in all stages. Operations upon the perineum, testicle, prostate and bladder are performed with the assistance of members of the sections.

COURSES

1. Genito-Urinary Surgery—One hour lecture. One hour clinic. First semester, senior year. ASSOCIATE PROFESSOR STOKES


3. Laboratory Demonstrations—Practical demonstrations in laboratory on pathology of genito-urinary diseases. ASSOCIATE PROFESSOR STOKES OR ASSISTANT

OBSTETRICS

PROFESSOR SOMERS, ADJUNCT PROFESSOR POLLARD

For practical work in obstetrics the material is ample. Each student is shown one case during the last semester of the junior year, special advantages being afforded students remaining in the city during the summer months. An obstetric clinic from 2 to 4 p.m. Saturdays is in successful operation in connection with this department, at which the students are taught antepartum diagnosis, physiological and pathological pregnancy, and shown cases of interest that may be under observation at the time. All material at the Tinley Home and for six months of the year at the County Hospital is utilized for this purpose. Written reports
of all clinical obstetric work is required and every student must have reported at least five cases of confinement before coming up for graduation.

1. **Anatomy and Physiology of the Female Pelvic Organs**—Development of the ovum; hygiene and management of pregnancy, its signs, diagnosis and pathology. Subject of lectures assigned for study and recitation. Three hours recitation. First semester, junior year. 

   **ADJUNCT PROFESSOR POLLARD**


   **ADJUNCT PROFESSOR POLLARD**

3. **Obstetrics**—Mechanism of labor, difficult labor, pathology of puerperal state, and the new-born child. Exercises on manikin in diagnosing position and presentation, including a review of mechanism of normal and abnormal labor. Two hours lecture. First semester, senior year. 

   **PROFESSOR SOMERS**

4. **Obstetric Surgery**—History and description of all obstetric operations with a demonstration of all necessary instruments and their uses. Two hours lecture weekly. Second semester, senior year. 

   **PROFESSOR SOMERS**

5. **Attendance on Obstetrical Cases**—The various lying-in hospitals, including the Douglas County Hospital, afford abundant opportunity for the assignment of obstetric cases to members of senior class under direction. During such attendance he is excused from the College exercises. Under direction and in presence of professor or one of his assistants, he makes examinations, both by abdominal and vaginal palpation, suggests diagnosis, studies the progress of labor, and, in case operative procedure is necessary, witnesses and assists at operations. Practical use of anesthetics in labor. 

   Second semester, junior year, and first semester, senior year. 

   **PROFESSOR SOMERS, ADJUNCT PROFESSOR POLLARD**

6. **Pathology**—Normal and morbid anatomy of placenta and pregnant and puerperal uterus. Practical demonstrations in the laboratory. First semester, junior year. 

   **8. Pathology**—7 continued. Second semester.
The instruction in diseases of women consists largely of practical demonstrations. The lectures are illustrated by stereopticon views of pathological lesions and operative procedures, and in order that the student may be thoroughly grounded in the essentials of diagnosis the lectures and clinics are supplemented by a laboratory course in gynecological diagnosis where gross and microscopic specimens of the various lesions of the female genitalia are demonstrated. The dispensary clinic, held daily in the College building, is regarded as a most important part of the clinical teaching. It is in these clinics that the student is trained in clinical diagnosis and where he may best be instructed in principles of treatment. One college clinic each week is held in the Wise Memorial Hospital throughout both semesters where cases are presented for diagnosis and treatment.

1. Gynecology—Subject covered by didactic lectures and oral and written quizzes two days weekly. Supplemented by epidiascope illustrations, demonstrations of instruments, casts and pathological specimens. One clinic each week at Clarkson Memorial Hospital, where cases are presented for diagnosis and operations. A special feature of the clinic is the opportunity given each student to make examinations under anesthesia. One hour each day devoted to clinics in the dispensary, where small groups of students are permitted to examine patients, to write histories, and to apply local treatments. First semester, senior year. (a) Lectures. PROFESSOR FINDLEY. (b) Demonstrations. PROFESSOR FINDLEY, DOCTOR HOLLISTER. (c) Hospital clinic. PROFESSOR FINDLEY, DOCTOR HOLLISTER. (d) Dispensary clinics. DOCTORS HOLLISTER, JEFFERSON, and FAIRCHILD.


3. Gynecological Diagnosis—Laboratory course students referred to laboratory, where gross and microscopic pathology of gynecological lesions are studied. These demonstrations, together with the lectures and clinics, intended to supplement amphitheater discussions of pathology. Special stress upon microscopic diagnosis
of uterine scrapings and excised pieces. Opportunity is afforded students to do special laboratory work on fresh material from the clinics. First semester, senior year.

Professor Findley, Doctor Hollister


OPHTHALMOLOGY AND OTOLOGY

Professor Gifford, Doctor Lemere, Doctor Patton

COURSES

1. The Anatomy and Physiology of the Eye and Ear, and Practical Instruction in the Use of the Ophthalmoscope and Otoscope—Opportunities to study in the dark rooms at the College dispensary the appearances of the normal fundus of the eye and of the drum membrane of the ear. One hour weekly. Second semester, junior year.

Doctor Lemere

3. Ophthalmology and Otology—External and internal diseases of the eye and ear and their differential diagnosis. The clinics furnish abundant cases illustrative of the lectures on the eye and ear. First semester, senior year. (a) One hour lecture. Professor Gifford. (b) Hospital clinic. One hour weekly. Professor Gifford. (c) Sectional clinic. Doctor Lemere.


5. Elective Course—General principles of spectacle-fitting for those especially interested. Either semester, senior year.

Doctor Patton

LARYNGOLOGY AND RHINOLOGY

Professor Owen, Doctor Wherry

1. Laryngology and Rhinology—Anatomy and physiology of the upper respiratory tract. Diseases of the nose, throat and larynx; their dependence upon and relation to various constitutional infections and dyscrasias. One hour lecture. First semester, senior year.

Professor Owen

2. Laryngology and Rhinology—1 continued. Second semester, senior year.
3. Principles and Use of the Laryngoscope and Rhinoscope—The practical application in a study of normal appearances of nose, throat, and larynx. Dark room with artificial light provided in the College dispensary. One hour weekly. First semester, senior year.  

DOCTOR WHERRY

4. Clinic—Dispensary clinic furnishes material for study of diseases of the nose, throat and larynx. Having familiarized themselves with the normal appearance and the use of the instruments during the first semester, students are prepared for practical instruction in pathology, diagnosis, and treatment of diseased organs. Section clinics and operations in the Wise Memorial and Immanuel Hospitals. One hour weekly. Second semester, senior year.  

PROFESSOR OWEN, DOCTOR WHERRY

DERMATOLOGY AND GENITO-URINARY DISEASES

PROFESSOR SCHALEK, DOCTOR KLICK

One conference weekly throughout the session dealing with cases demonstrated or reported to the class. At College dispensary students become familiar with the more common cutaneous diseases. The latest advances in syphilology and the use and indications of radiotherapy. A clinic weekly for one semester at County Hospital with abundant dermatological material. From time to time the students are taken to other hospitals to see patients at the bedside. A weekly recitation and quiz. Finely executed plates and photographs illustrating various diseases of the skin.

COURSES

1. Dermatology—Lecture one hour weekly. First and second semester, senior year.  

PROFESSOR SCHALEK

2. Dermatology and Genito-Urinary Diseases—Clinic at the County Hospital one hour weekly. Demonstration of patients. First and second semester, senior year.  

PROFESSOR SCHALEK

3. Dermatology—Recitation and quiz. Demonstration of plates and patients. One hour weekly, first and second semester, senior year.  

DOCTOR KLICK

4. Hospital Clinics—By appointment at the Methodist, Immanuel and Clarkson Hospitals.
1. Pediatrics—Gastro-intestinal diseases, infections, dyscrasias and important part played by errors of diet in their production. Milk modification in all its methods, including the working out of percentages. The history and technique of intubation. Clinics at College Dispensary where many cases of ordinary affections of infancy and childhood appear, furnish practical applications. One hour lecture. One hour clinic. First semester, senior year.


3. Care of Children—Instruction in the care, hygiene and feeding of infants, cranial measurements, and physical development. One hour lecture. First semester, senior year. Doctor Christie

4. Section Clinics in Pediatrics—Clinics at the Child-Saving Institute, where it is frequently possible to demonstrate practically the contagions, measles, scarlet fever, and whooping cough, as they occur in epidemic form. First semester, senior year.


NERVOUS AND MENTAL DISEASES

Professor Aikin, Professor Moore, Doctor Mogridge

1. Lectures on Diseases of the Nervous System—Lectures on the causes of nervous diseases, and the general symptoms. Diagnosis and methods of examination. Diseases of the peripheral nerves. Motor neuroses of the cranial nerves. Motor neuroses of spinal nerves. Sensory neuroses of cerebro-spinal nerves. Diseases of the spinal cord. Degenerative diseases. Muscular atrophies and dystrophies. Diseases of the brain. Function neuroses. Insomnia and neurological therapeutics. These lectures will be illustrated by clinical cases at the College, Methodist Hospital, Immanuel Hospital, and Douglas County Hospital. In the College and Douglas County Hospital students are assigned cases for examination, diagnosis and treatment and will be required to
report their cases before the entire class. One hour lecture. First semester, senior year.

Professor Aikin


Professor Moore, Professor Aikin

6. Lectures on Arrested Development—This course considers the cause, manifestations and diagnosis of arrested development. The class spends a day at the Glenwood, Iowa, Institution for the Feeble Minded. Six lectures, one hour. Second semester, senior year.

Doctor Mogridge

MEDICAL JURISPRUDENCE

Mr. Page


Mr. Page

GRADUATE WORK IN MEDICINE

To provide for a more thorough training in medicine the University proposes to encourage an optional year of graduate study under the following conditions: (1) Research work in any one of its departments; (2) an internship in some approved hospital; (3) advanced study in some appropriate field at a research laboratory or other institution of higher learning.

At the close of the additional year the student may be recommended to receive the degree of Doctor of Medicine cum laude, provided he has been in residence for a period covering at least the academic year of the University, presents a thesis satisfactory to his advisory committee, and is favorably recommended to the faculty by this committee.

A student desiring to become a candidate for the fifth year’s work
must register his purpose in writing with the dean on or before Commencement Day of the year preceding such advanced study. Normally, hospital internships shall be taken in some one of the affiliated hospitals; all other cases must be the subject of specific request and approval by the faculty on recommendation of the deans. Approval must also be secured from such hospitals and the chief of the staff must express in writing his willingness to accept the interne and to carry out the conditions laid down by the committee for such work in affiliated hospitals.