

Texas Christian University Bulletin

Fort Worth School of Medicine



FORT WORTH, TEXAS

ANNOUNCEMENTS

SESSION 1917-1918

Texas Christian University Bulletin

Fort Worth School of Medicine



FORT WORTH, TEXAS

ANNOUNCEMENTS

SESSION 1917-1918

TABLE OF CONTENTS

	Page
Advance Standing	26
Anatomical Laboratory	17
Animal Operating Room	20
Bacteriologic Laboratory	20
Board of Trustees	6
Books	31
Calendar	5
Chemical Laboratory	18
Clinic Laboratory	20
Clinical Resources	22
College Building	17
Combined Literary and Medical Courses	27
Committees of Faculty	14
Curriculum by Subjects	40
Dispensary	23
Examinations	28
Expenses	30
Faculty	7
Fees for Examination	32
Free Tuition	31
Graduation	28
Historical Review	16
Hospital Appointments	29
Laboratory Fees	31
Library	21
Matriculants	61
Matriculation Requirements	24
Medical Students and the War	15
Miscellaneous Information	32
Museum of Anatomy	18
Officers of Faculty	14
Pathologic Laboratory	19
Pathologic Museum	19
Physiologic Laboratory	20
Prizes	29
Projection Epidiascope	21
Roster	36
Special Students	27
Time Allotted to Subjects	33
X-Ray Laboratory	21

TABLE OF CONTENTS

1	Introduction
2	1. The Laboratory
3	2. The Laboratory Room
4	3. The Laboratory
5	4. The Laboratory
6	5. The Laboratory
7	6. The Laboratory
8	7. The Laboratory
9	8. The Laboratory
10	9. The Laboratory
11	10. The Laboratory
12	11. The Laboratory
13	12. The Laboratory
14	13. The Laboratory
15	14. The Laboratory
16	15. The Laboratory
17	16. The Laboratory
18	17. The Laboratory
19	18. The Laboratory
20	19. The Laboratory
21	20. The Laboratory
22	21. The Laboratory
23	22. The Laboratory
24	23. The Laboratory
25	24. The Laboratory
26	25. The Laboratory
27	26. The Laboratory
28	27. The Laboratory
29	28. The Laboratory
30	29. The Laboratory
31	30. The Laboratory
32	31. The Laboratory
33	32. The Laboratory
34	33. The Laboratory
35	34. The Laboratory
36	35. The Laboratory
37	36. The Laboratory
38	37. The Laboratory
39	38. The Laboratory
40	39. The Laboratory
41	40. The Laboratory
42	41. The Laboratory
43	42. The Laboratory
44	43. The Laboratory
45	44. The Laboratory
46	45. The Laboratory
47	46. The Laboratory
48	47. The Laboratory
49	48. The Laboratory
50	49. The Laboratory
51	50. The Laboratory
52	51. The Laboratory
53	52. The Laboratory
54	53. The Laboratory
55	54. The Laboratory
56	55. The Laboratory
57	56. The Laboratory
58	57. The Laboratory
59	58. The Laboratory
60	59. The Laboratory
61	60. The Laboratory
62	61. The Laboratory
63	62. The Laboratory
64	63. The Laboratory
65	64. The Laboratory
66	65. The Laboratory
67	66. The Laboratory
68	67. The Laboratory
69	68. The Laboratory
70	69. The Laboratory
71	70. The Laboratory
72	71. The Laboratory
73	72. The Laboratory
74	73. The Laboratory
75	74. The Laboratory
76	75. The Laboratory
77	76. The Laboratory
78	77. The Laboratory
79	78. The Laboratory
80	79. The Laboratory
81	80. The Laboratory
82	81. The Laboratory
83	82. The Laboratory
84	83. The Laboratory
85	84. The Laboratory
86	85. The Laboratory
87	86. The Laboratory
88	87. The Laboratory
89	88. The Laboratory
90	89. The Laboratory
91	90. The Laboratory
92	91. The Laboratory
93	92. The Laboratory
94	93. The Laboratory
95	94. The Laboratory
96	95. The Laboratory
97	96. The Laboratory
98	97. The Laboratory
99	98. The Laboratory
100	99. The Laboratory
101	100. The Laboratory

CALENDAR

SESSION 1917-1918

1917

Summer School Main University Opens.....	Monday, June 11
Convocation Sermon	Sunday, September 16
Opening Exercises Main University.....	Tuesday, September 18
First Trimester Opens.....	Monday, October 1
Delinquent Examinations Begin.....	Monday, October 8
Thanksgiving Holiday	Thursday, November 29
Christmas Holidays Begin.....	Saturday, December 22
First Trimester Ends	Saturday, December 29

1918

Second Trimester Opens	Wednesday, January 2
Second Trimester Ends	Saturday, March 23
Third Trimester Opens	Monday, March 25
Baccalaureate Sermon	Sunday June 2
Fine Arts Recitals.....	Tuesday and Wednesday, June 4, 5
Class Day Exercises	Thursday Evening, June 6
Alumni Banquet	Thursday Evening, June 6
Commencement Exercises	Friday, June 7
Summer School Opens	Monday, June 10

BOARD OF TRUSTEES

EXECUTIVE BOARD

Term Expires 1918

S. P. BUSH	Allen, Texas
GEORGE W. COLE, JR.	Belton, Texas
JAMES HARRISON	Fort Worth, Texas
F. G. JONES	Midland, Texas
W. W. MARS	Fort Worth, Texas

Term Expires 1919

R. L. COUCH	Dallas, Texas
DAN G. ROGERS	Dallas, Texas
C. W. GIBSON	Waxahachie, Texas
DR. BACON SAUNDERS	Fort Worth, Texas
T. C. MORGAN	Longview, Texas

Term Expires 1920

W. E. GEE	Amarillo, Texas
J. J. HART	Dallas, Texas
VAN ZANDT JARVIS	Fort Worth, Texas
MALCOLM H. REED	Austin, Texas
T. E. TOMLINSON	Hillsboro, Texas

Term Expires 1921

H. M. DURRETT	Fort Worth, Texas
R. M. ROWLAND	Fort Worth, Texas
S. J. McFARLAND	Dallas, Texas
D. G. McFADIN	Austin, Texas
H. W. STARK	Gainesville, Texas
L. C. BRITE	Marfa, Texas

Officers of Board

S. J. McFARLAND	President
H. W. STARK	Vice-President
CRAIG DRYDEN	Secretary

FACULTY

EDWARD McSHANE WAITS, A. B.,

President of the University.

Emeritus Professors

AMOS C. WALKER, M. D., Fort Worth, Texas,

Professor of Clinical Surgery.

JULIAN T. FEILDS, M. D., Fort Worth, Texas,

Professor of Obstetrics.

FRANK D. THOMPSON, M. D., Los Angeles, California,

Professor of Gynecology.

JAMES ANDERSON, M. D., Fort Worth, Texas,

Professor of Practice of Medicine.

FRANK GRAY, M. D., Fort Worth, Texas,

Professor of Ophthalmology.

Professors

BACON SAUNDERS, M. D., LL. D., F. A. C. S., 704 Flatiron
Building,

Professor of Surgery.

WILLIAM A. DURINGER, M. D., F. A. C. S., 205 Fort Worth
Club Building,

Professor of Clinical Surgery.

WILLIAM R. THOMPSON, M. D., F. A. C. S., 714 Fort Worth
National Bank Building,

Professor of Ophthalmology.

WILLIS G. COOK, B. S., M. D., 210 Farmers & Mechanics
National Bank Building,

Professor of Principles and Practice of Medicine.

MARQUIS E. GILMORE, Ph. C., M. D., 202 Fort Worth Club Building,

Professor of Obstetrics.

KENT V. KIBBIE, B. S., M. D., 506 Texas State Bank Building,
Professor of Genito-Urinary and Rectal Diseases.

W. ERNEST CHILTON, M. D., 112½ West Ninth Street,
Professor of Gynecology.

JOHN D. COVERT, M. D., 210 Farmers & Mechanics National Bank Building,
Professor of Clinical Medicine.

CHARLES H. HARRIS, M. D., F. A. C. S., 1028 Fifth Avenue,
Professor of Clinical Surgery.

FRANK D. BOYD, M. D., F. A. C. S., 304 First National Bank Building,
Professor of Rhino-Laryngology.

LIEUT.-COLONEL HOLMAN TAYLOR, B. S., M. D.,
(In Service).
Professor of Hygiene and State Medicine.

SIDNEY J. WILSON, M. D., 605 Fort Worth National Bank Building,
Professor of Dermatology and Syphilology.

SAMUEL A. WOODWARD, M. D., F. A. C. S., 406 Flatiron Building,
Dean and Professor of Clinical Gynecology.

LEONIDAS A. SUGGS, M. D., 301 Flatiron Building,
Professor of Orthopedic Surgery.

IRA CARLETON CHASE, A. M., M. D., F. A. C. S., Texas State Bank Building,
Clinical Professor of Surgery.

JESSE S. BARDIN, M. D., 100½ Main Street,
Professor of Pediatrics.

FIRST LIEUT. FRANK G. SANDERS, Ph. G., M. D., 601
Fort Worth National Bank Building,

Professor of Anatomy,

(In Service).

R. H. GOUGH, A. B., M. D., 508 Fort Worth National Bank
Building,

Professor of Otology.

GEORGE D. BOND, M. D., 309 Flatiron Building,

Professor of Electro-Therapeutics.

THOMAS L. GOODMAN, M. D., 206 Texas State Bank
Building,

Professor of Pathology.

CHARLES H. MCCOLLUM, M. D., 210 Fort Worth Club
Building,

Professor of Pharmacology and Therapeutics.

R. H. NEEDHAM, Ph. C., Medical College,

Professor of Chemistry.

W. M. WINTON, B. S., M. S., Texas Christian University,

Professor of Physiology.

H. DUANE MEREDITH, M. D., Medical College,

Professor of Bacteriology.

Professor of Embryology and Histology.

D. EMORY ALLEN, M. D., 1900 Heaton Street,

Clinical Professor of Pediatrics.

WILLIAM ROUNDS, M. D., 708 Burk Burnett Building,

Clinical Professor of Pediatrics.

JAMES A. CLAY, A. B., Burk Burnett Building,

Professor of Medical Jurisprudence.

Associate Professors

FRANK GRAY, M. D., 506 Taylor Street,
Associate Professor of Hygiene.

ROY F. SAUNDERS, M. D., F. A. C. S., 704 Flatiron Building,
Associate Professor of Surgery.

CLAUDE O. HARPER, M. D., 406 Flatiron Building,
Associate Professor of Surgery (Surgical Pathology).

WILLIAM C. DURINGER, M. D., 205 Fort Worth Club
Building,
Associate Professor of Surgery.

ROBERT W. MOORE, Ph. B., M. D., 714 Fort Worth
National Bank Building,
Associate Professor of Ophthalmology.

ISAAC A. WITHERS, M. D., 206 Wheat Building,
Associate Professor of Gynecology.

EWIN P. HALL, M. D., 206 Fort Worth National Bank
Building,
Associate Professor of Gynecology.

J. A. KELLEY, M. D., 510 Flatiron Building,
Associate Professor of Medicine.

H. B. KINGSBURY, B. S., M. D., 205 Texas State Bank
Building,
Associate Professor of Gynecology.

L. M. WHITSITT, Ph. G., M. D., 306 Flatiron Building,
Associate Professor of Obstetrics.

JAMES D. BOZEMAN, M. D., Arlington Heights,
Associate Professor of Neurology and Mental Diseases.

JOHN B. CUMMINS, M. D., 304 Burk Burnett Building,
Associate Professor of Obstetrics.

RUFUS B. WEST, M. D., 100½ Main Street,
Associate Professor of Medical Jurisprudence.

WILLIAM C. LACKEY, M. D., 104 West Front Street,
Associate Professor of Pediatrics.

F. E. RUSHING, M. D., 710 Flatiron Building,
Associate Professor of Medicine (Stomach and Intestines).

T. C. TERRELL, M. D., 320 Texas State Bank Building,
Associate Professor of Medicine.

MAJOR JOHN B. HAWLEY, C. E., 506 Farmers & Mechanics
National Bank Building,
Associate Professor of Hygiene.
(In Service).

CHARLES B. SIMMONS, M. D., 305 First National Bank
Building,
Associate Professor of Rhino-Laryngology.

RUFUS B. WEST, M. D., 100½ Main Street,
Associate Professor of Medicine.

CAPT. WILL S. HORN, A. B., M. D., 1028 Fifth Avenue,
Associate Professor of Medicine.
(In Service).

EDWIN DAVIS, M. D., 510 Flatiron Building,
Associate Professor of Medicine.

JESSE C. McKEAN, JR., M. D., St. Joseph's Infirmary,
Associate Professor of Anatomy.

CHARLES H. SANDERS, A. B., M. D., 313 Fort Worth Club
Building,
Associate Professor of Genito-Urinary and Rectal Diseases.

E. L. MYRICK, M. D., 307 Moore Building,
Associate Professor of Anatomy.

ROGER W. McKEAN, M. D., Medical College,
Associate Professor of Physiology and Pharmacology.

Assistants

CASSIUS C. MARTIN, Ph. G., 810 Main Street,
Assistant in Pharmacy and Pharmacognosy.

JAMES J. RICHARDSON, M. D., 305 First National Bank
Building,
Assistant in Rhino-Laryngology.

JAMES M. GIVENS, M. D., 302 Moore Building,
Assistant in Surgery.

HENRY B. LITTLEPAGE, Ph. G., M. D., 305 Texas State
Bank Building,
Assistant in Obstetrics.

WILLIAM M. TRIMBLE, M. D., 100½ Main Street,
Assistant in Medicine.

OSCAR R. GROGAN, M. D., 302 First National Bank Building,
Assistant in Obstetrics.

CHARLES F. HAYES, M. D., 1408 North Main Street,
Assistant in Pediatrics.

GAUSE W. COVINGTON, M. D., 1549½ N. Main Street,
Assistant in Genito-Urinary and Rectal Diseases.

HARVEY O. BRANNON, M. D., 306 Wheat Building,
Assistant in Pharmacology.

BRUCE ALLISON, M. D., Arlington Heights,
Clinical Assistant in Neurology.

YOUNG J. MULKEY, M. D., 306 Reynolds Building,
Assistant in Medicine.

D. JACKSON SAUNDERS, M. D., 217 Boaz Street,
Assistant in Surgery.

WEBB WALKER, M. D., 307 Fort Worth Club Building,
Assistant in Gynecology.

FIRST LIEUT. GILES W. DAY, M. D., 912½ Main Street,
Assistant in Genito-Urinary and Rectal Diseases.
(In Service).

WILLIAM B. NIES, A. B., M. D., 307 Fort Worth Club
Building,
Assistant in Obstetrics.

JOSEPH W. SHOEMAKER, M. D., 2323 Chestnut Avenue,
Assistant in Pharmacology.

MRS. S. E. WALKER,
Registrar.

MRS. GEORGE ROBERTS,
Librarian.

MRS. IDA MAY BOWERS,
Matron of Dispensary.

OFFICERS OF THE FACULTY

BACON SAUNDERS, M. D., LL. D., F. A. C. S. President
 WILLIAM A. DURINGER, M. D., F. A. C. S. . . . Vice-President
 FRANK G. SANDERS, Ph. G., M. D. Secretary
 SAMUEL A. WOODWARD, M. D., F. A. C. S. Dean
 W. M. WINTON, B. S., M. S. Director of Pre-Medical Work

Executive Committee

Bacon Saunders, M. D., LL. D., F. A. C. S., Chairman
W. R. Thompson, M. D., F. A. C. S.
W. A. Duringer, M. D., F. A. C. S.
J. D. Covert, M. D. *W. L. Allison, M. D.*
S. A. Woodward, M. D., F. A. C. S., Dean

Curriculum Committee

S. A. Woodward, M. D., Dean, (ex officio)
John D. Covert, M. D., Chairman
M. E. Gilmore, Ph. C., M. D. *W. M. Winton, B. S., M. S.*

Catalogue Committee

R. W. Moore, Ph. B., M. D., Chairman
Willis G. Cook, B. S., M. D. *C. O. Harper, M. D.*

Dispensary Committee

Kent V. Kibbie, B. S., M. D., Chairman
C. O. Harper, M. D. *R. H. Gough, A. B., M. D.*
Edwin Davis, M. D.

Promotion Committee

S. A. Woodward, M. D., Dean, (ex officio)
Kent V. Kibbie, B. S., M. D., Chairman
R. W. Moore, Ph. B., M. D. *Roy F. Saunders, M. D., F. A. C. S.*
W. M. Winton, B. S., M. S.

Museum Committee

Thomas L. Goodman, M. D., Chairman
H. Duane Meredith, M. D. *F. G. Sanders, Ph. G., M. D.*

Library Committee

I. C. Chase, A. M., M. D., F. A. C. S., Chairman
W. M. Winton, B. S., M. S. *Ewin P. Hall, M. D.*
C. B. Simmons, M. D.

MEDICAL STUDENTS AND THE WAR

Dean S. A. Woodward received a letter from the General Medical Board of the Council of Medical Defense, from which the following quotations are made:

"Your committee after consultation with the Surgeons-General begs leave to submit the following report: In your efforts to solve the urgent problem before this Board and assist the Surgeons-General in supplying an adequate number of medical officers for the Army and Navy, it is important that this country should not repeat England's blunder at the outbreak of the war in permitting the disorganization of the medical schools either by calling the faculties into active service, or sanctioning the enlistment of medical students into any line organizations. Ordinary foresight demands we face the possibility that the war upon which we have entered may last for years. Medical schools to supply trained men for the future, as well as the present emergency, must be kept in active operation under any circumstances.

"While aiding to the uttermost in overcoming the present shortage of men, the necessity of keeping the supply open emphasizes the importance of conserving our raw material. Therefore, men *now* in college looking forward to medicine as a career should be made to understand that it is their *patriotic duty* to the nation at this time to continue their studies and enroll in the medical school of their choice. Furthermore, no medical student who has not completed three years of medical work should be permitted to give up his course, as his country needs his *trained* and not his *untrained* service.

"Medical schools should be prepared to graduate senior medical students promptly in case of need.

"Your committee recommends that this Board give the widest possible publicity to the wishes of the Surgeon-General of the Army, who wants only men with hospital experience. Accordingly it is particularly urged upon graduates of the present year who have already contracted with civil hospitals to fulfill the obligation thus implied by securing the hospital experience which the Army deems essential."

HISTORICAL REVIEW

The Medical Department of Texas Christian University was organized in 1894, as the Medical Department of Fort Worth University. The first degrees of Doctor of Medicine were conferred in 1895.

The organization of the school was the result of a desire on the part of a body of strong, earnest, progressive physicians and surgeons to elevate the standard of the State medical profession, provide better physicians and better facilities for practice and to assist the local profession to greater efficiency. The school has always stood for progress. It was one of the first colleges in the South to become a member of the Southern Medical College Association. Its faculty has led in securing better Medical Practice Acts and Medical laws in Texas.

The first faculty consisted of fifteen full professors with adjuncts, assistants and demonstrators. The scientific branches were for some years taught in the laboratories and buildings of Fort Worth University. In its second year a special building was erected on the University campus. Later a medical building in the heart of the city, the site of the present Seibold hotel, was secured and occupied for ten years. The demand for more modern equipment was met in 1905 by the erection of a new modern medical building, today one of the best structures of its kind possessed by any Southern Medical college.

After the removal of the academic and college departments of Fort Worth University and union with the Epworth University at Guthrie, Oklahoma, the Medical Department was known for some years as the Fort Worth School of Medicine. In 1911 it became affiliated with Texas Christian University. In 1913 the University acquired possession of all buildings and properties of the Medical School, which became one of its departments. The Faculty is elected by the University trustees and the Department financed by the general funds of the University. The Medical Department is now permanently established and shares with the other departments of the University its rapidly growing prestige and increasing endowment.

COLLEGE BUILDING

The Medical Department is housed in an unusually beautiful and commodious building on Fifth and Calhoun Streets, but two blocks from Main Street and in the centre of the best dispensary district. It is owned by the University, was specially designed and constructed for medical college work. It is conceded to be one of the best medical buildings of its size in the United States and is valued with grounds, exclusive of equipment, at \$100,000. It is constructed of steel, stone and gray brick, with a floor space of over 25,000 square feet, well plumbed, heated, lighted and ventilated, with four floors entirely devoted to medical and dispensary work.

The first floor contains a dark lecture room, fitted with a Zeiss Epidiascope; boiler, dynamo and curator's rooms; a large general physiologic laboratory, a private physiologic laboratory, animal operating room, two animal hospital wards and an attendant's room, also commodious lavatory for student's use.

The Fifth Street entrance admits to the lobby, Dean's office and faculty room, the dispensary waiting room, the clinic lecture room, dispensary office, drug store, operating room, three dispensary rooms, and emergency hospital ward.

The third floor contains the library, the large general assembly room, a lecture room, the general pathologic laboratory and museum, a private pathologic laboratory, a stock room and the bacteriologic laboratory.

The fourth floor contains the general chemical laboratory, a private chemical laboratory, a chemical stock room, a chemistry lecture room, a bacteriological laboratory, the dissecting room, the anatomic museum and anatomical study laboratory and library, an anatomic amphitheater and preparation room.

ANATOMIC LABORATORIES

The dissecting room occupies the fourth floor, having the full east and south ventilation. It has a good cement floor and direct sewer drainage. It is provided with fifteen dissecting tables, accommodating 60 first year men. This department is provided with good lockers, lavatories, lights, etc.

Connected with this room is the anatomic amphitheater, lighted by window and skylight, provided with fine slate boards,

and accommodating with raised seats 60 men. The room is also used for autopsy work and demonstrations in operative surgery.

This department is also provided with a preparation room with cement floor, direct elevator connections, water and light, with all appliances for the preservation of bodies.

The anatomic study laboratory is an important part of this department. Here is placed a large central table with chairs for section study. The walls are fitted with cases containing models, charts, dissections, cross sections, bones graphically showing muscular attachments, embryologic preparations, anatomic library, etc.

The bone room is furnished with a large collection of well classified disarticulated bones for the practical study of osteology. Tickets are secured at the Dean's office, entitling holders to draw bones for study according to the printed rules issued with the tickets.

MUSEUM OF ANATOMY

A valuable museum is rapidly accumulating and is being constantly augmented with selected material from the anatomical laboratory and autopsy rooms. This includes a collection of bones, including many abnormal conditions as well as those illustrating the changes from infancy to old age, various dissections of nervous, vascular and muscular systems, series of sections of head, trunk, limbs, etc., sections of the most important articulations and dissections showing tendons and ligaments of same, sections of brains as illustrated by the text books of anatomy, also models of various organs and portions of the body in wax, papier maché and plaster, besides a large collection of charts, stereoptic sets, atlases and text books of anatomy.

THE CHEMICAL LABORATORY

The chemical laboratory occupies a room 48x25 feet on the fourth floor. It is fitted with 120 cabinet desks, accommodating 120 men. The desks are provided with drawers, lockers, water, gas, and furnished with reagents and chemical apparatus.

The department has a store room 12x18 feet, and a private laboratory for special and research work of the instructors. It contains an ample supply of the best chemical apparatus obtainable.

The laboratory connects with the chemical lecture hall, which accommodates 75 men, and is fitted with blackboards, demonstration desks, etc., necessary for chemical lecture work.

THE PATHOLOGIC LABORATORY

This laboratory is situated on the north end of the third floor of the College building. It is 16x44 feet, and fitted with desks and lockers of progressive heights to enable all to have advantage of the ten large windows. This laboratory has compound microscopes and accessories sufficient to accommodate 50 men with individual outfits.

The department provides a private pathologic laboratory with research library, record cases, special research instruments and ample desks for work of instructors.

A large store-room in connection with this laboratory. It is equipped with various baths, microtomes, specimens both mounted and unmounted, staining material of all necessary kinds.

A vertical photo-micrographic camera, mounted on table, with all accessories for taking photo-micrographs, has been provided. About 200 photo-micrographs of sections of normal and pathologic tissues have been prepared. This matter will be added to from time to time.

PATHOLOGIC MUSEUM

The pathologic museum occupies a separate room adjacent to the general pathologic laboratory and is in charge of the curator and under the supervision of the Professor of Pathology. The collection at present consists of about 250 specimens, classified in departments to make it most available for teaching purposes. The principal lesions of all structures of the body are here illustrated, together with some very rare and unusual pathologic conditions. Most of the material is preserved in Kaiserling and Craig's improved Kaiserling solutions and some in gelatine, and retain much of their original color and brilliancy. The curator is constantly at work on this collection, which is increasing rapidly from the surgical wards of the hospitals and from post-mortems. A series of micro-photographs is being prepared of cross sections of the various tumor specimens.

THE PHYSIOLOGIC LABORATORY

The physiologic laboratory is on the first floor. This department has five full Harvard units, for the standard experimental courses in physiology. A private physiologic laboratory connects with the general laboratory, provided with research library, and special instruments for use of instructors.

The experimental work in pharmacology will be carried on in this laboratory.

The physiologic and pharmacologic departments are en suite with the animal operating room and animal hospital, making easy the preparation of animal experimentation under the best surroundings.

THE ANIMAL OPERATING AND LABORATORY ROOM

An animal operating room has been equipped on the first floor for operation on living animals to demonstrate operative surgery, pharmacologic and physiologic changes and phenomena. Adjoining this room is the hospital with two ward rooms for the detention and convalescence of animals. This room is provided with cages and other equipment for proper keeping and feeding of animals for the laboratory.

THE BACTERIOLOGIC LABORATORY

The bacteriologic laboratory is located on the third floor and has desks equipped with drawers, lockers, water, gas, bacteriologic apparatus, etc., sufficient to supply each student. The laboratory is furnished with incubators, sterilizer, and everything necessary to give a practical individual demonstration course in the nature, growth and pathologic properties of the principal micro-organisms. In addition to this equipment, improved electric centrifuge, autoclave, moist chambers, etc., have been provided.

THE CLINIC LABORATORY

This laboratory is supplied with the necessary chemical apparatus and reagents, syphgmanometers, blood counting apparatus, microscopes, hemaglobinometers, dark ground illuminators, etc. Pathological material can be rapidly frozen, sectioned

and stained for diagnosis. The laboratory is in charge of a paid instructor and is used by Senior and Junior students on assigned cases from the various clinics. The work here forms a valuable adjunct to the instruction given in the clinical courses.

X-RAY LABORATORY

On the second floor, convenient to hospital and dispensary, is the X-ray laboratory, equipped with a good coil, and screen for short exposures and trans-illuminative study; plate illuminator, etc., insuring up-to-date instruction in the use of this important phase of diagnosis.

PROJECTION APPARATUS

Desiring to give students every available teaching advantage, the faculty has secured for the Department the finest projection apparatus procurable—a combined Epidiascope and Episcopes, manufactured by Dr. Carl Zeiss, Jena. The instrument throws upon the screen the brilliantly illuminated image of all objects of a size to be placed within it. Cuts, plates, illustrations from books, drawings, models, physical apparatus, small plants and animals, pathologic and anatomical specimens, etc. It also projects lantern slides, micro-photographs, microscopical slides, hanging cultures of bacteria, etc. The instrument presents a wide range of applicability and will greatly increase the scope of illustrated teaching. There is also an Edinger Drawing and Projection apparatus for use in Histology, Pathology and Bacteriology. With the aid of this apparatus various slides can be shown, with ease and rapidity. We consider this a most valuable addition to our laboratory equipment.

MEDICAL LIBRARY

A large, spacious, well-lighted room on the third floor has been fitted up as a library. The library contains over 2316 bound volumes and 216 duplicates, including the most modern text and reference books with the *Index Medicus*. In addition, there are about 200 unbound volumes, a large number of special and public health reports and reprints. The number of current journals in Medicine, Pharmacy, etc., are about 69. A complete index system has been installed and a librarian is regularly employed.

CLINICAL RESOURCES

Fort Worth has an enormous tributary territory from which clinical material is drawn. It is a rapidly growing city of about 110,000. It is reached by 27 railroad and interurban lines and is the greatest railroad centre of Texas. It has the largest hospital facilities of any city of the state, enormous packing industries, oil refineries, compresses, grain elevators and live stock markets.

CITY AND COUNTY HOSPITAL

The City and County completed in 1914 a joint charity hospital in the same block with the Medical College. It is a very comfortable and substantial fire-proof structure, accommodating 70 patients, and includes a children's and obstetrical ward. The clinical teachers of the College are upon the Hospital Staff, thus affording ample clinical material for teaching purposes. This hospital is strictly a charitable institution, as only the indigent poor are admitted. No pay patients are accepted. The University Clinical Laboratories on the same grounds are used in conjunction with the teaching and hospital service. (See curriculum for service.)

ST. JOSEPH'S INFIRMARY

St. Joseph's Infirmary is located in the southern part of the city, readily accessible by a 12-minute car service. It is situated upon a high plateau, and is surrounded by spacious grounds. It is owned and operated by the Sisters of the Incarnate Word, and has four operating rooms, in one of which a commodious amphitheater has been provided. This is perhaps the largest and best equipped hospital in the State, having room for more than 400 beds. Saturday Clinics are held here by the Professors of Surgery and Medicine, and Senior students here have daily service. Fifty beds are absolutely at the disposal of the Faculty for teaching purposes in medicine and surgery.

Senior conference work conducted here. (See curriculum for service.)

ALL SAINTS' HOSPITAL

This hospital has 60 beds, is located in the southwestern part of the city, accessible by two street car services. Two surgical

clinics per week are held here. These cases are fully accessible to students and constitute a part of the assigned surgical work.

Senior conference work conducted here. (See curriculum for service.)

HARRIS SANITARIUM

A private hospital conducted by one of the members of the surgical staff, located on a ten minutes' car line from the downtown district. This hospital has a capacity of 40 beds. Monday Clinics are held here. Conference cases are regularly assigned. (See curriculum for service.)

DISPENSARY

	Mon.	Tues.	Wed.	Thur.	Fri.	Sat.
Medicine	1-2	1-2	1-2	1-2	1-2	1-2
Surgery	1-2	1-2	1-2	1-2	1-2	1-2
Pediatrics	1-2	1-2	1-2	1-2	1-2	1-2
Eye, Ear, Nose and Throat Diseases	1-2	1-2	1-2	1-2	1-2	1-2
Gynecology	2-3	2-3	2-3	2-3	2-3	2-3
Orthopedics	*	*	*	1-2	*	*
Genito-Urinary and Rectal Diseases	2-3	2-3	2-3	2-3	2-3	2-3
Dermatology	*	2-3	*	*	*	*
Neurology	4-5	*	4-5	*	*	*

The College dispensary is conducted on the second floor and basement of the College building in the heart of the city. It is ideally equipped for this work. It possesses a large waiting room, matron's office for enrolling patients with a complete set of case records for each service, an operating room, seven examination and treatment rooms, a drug store where medicine is

furnished free to the indigent poor. The service is arranged for section work in the Junior class. Student staffs rotate so at the completion of the service each student has been under the direct instruction and supervision of the teaching force of the medical school. It is here an earnest endeavor is made to acquaint each student with the knowledge of accurate diagnosis and treatment. During the session 1916-17 there were treated in this out-door dispensary service over 6393 patients.

MATRICULATION REQUIREMENTS

I.

Student's Certificate from the State Board of Medical Examiners.

The Texas State Board of Medical Examiners issues to each medical student in the State, at the beginning of his professional studies, a certificate for which the Board requires a fee of \$5.00. Application for this certificate is best made through the Dean of the medical college which the student contemplates entering. A certified copy of the student's pre-medical record, together with the fee, should be forwarded to the Dean. The certificate and fee are required by the State law; and attention is called to the fact that students entering on advanced standing based on work done in medical colleges outside of Texas are required to secure this certificate. The certificate is valid throughout the entire medical course, and the fee is paid but once.

II.

The Presentation of Credits for One Year of Premedic College Work.

The college year's work must include Chemistry, Physics and Biology and a modern language, preferably German.

After January 1st, 1918, students entering this College must present a record of two years of college work, including the usual pre-medical sciences and language or must conform to the six-year course which is outlined below.

SCHEDULE OF SUBJECTS

OFFERED IN ACADEMIC AND SECONDARY SCHOOLS,
CREDITS IN WHICH ARE ACCEPTABLE FOR EN-
TRANCE TO THE PRELIMINARY COLLEGE YEAR
LEADING TO THE MEDICAL COURSES.

	Units.	Required.	Elective
ENGLISH			
Reading and Practice	2	2	..
Study and Practice	1	..	1
MATHEMATICS			
Algebra to Quadratics	1	1	..
Algebra (Quadratic Equations, Bi- nomial Theorem and Progressions) .	$\frac{1}{2}$	..	$\frac{1}{2}$
Plane Geometry	1	1	..
Solid Geometry	$\frac{1}{2}$	..	$\frac{1}{2}$
Trigonometry	$\frac{1}{2}$	..	$\frac{1}{2}$
LATIN			
Grammar and Composition.....	1	*	..
Cæsar	1	*	..
Cicero	1	..	1
Virgil	1	..	1
Cornelius Nepos	1	..	1
GREEK			
Grammar and Composition	1	*	1
Xenophon	1	*	1
Homer	1	..	1
GERMAN (OR FRENCH)			
Elementary	2	2	2
Intermediate	1	..	1
SPANISH			
Elementary	2	..	2
SCANDINAVIAN			
Elementary	2	..	2
HISTORY			
American History and Civil Govern- ment	1	1	..
Greek and Roman History.....	1	..	1
Medieval and Modern History.....	1	..	1
English History	1	..	1

	Units.	Required.	Elective
SCIENCE**			
Botany and Zoology, each.....	1	..	1
or Biology	1	..	1
Chemistry	1	..	1
Physics	1	..	1
Physiography	½	..	½
Physiology	½	..	½
Agriculture	1	..	1
Drawing	1	..	1
Manual Training	1	..	1
Domestic Science	1	..	1
Music:			
Appreciation or Harmony.....	1	..	1
	-----	-----	-----
Total	35½	7	28½

A unit is the credit value of at least 36 weeks' work of 4 or 5 recitation periods per week, each recitation period to be of not less than 40 minutes. Work in science must be equivalent to 2 one-hour lectures and four hours' laboratory work weekly.

Required Branches: Of the 14 units of high school work, 7 units are required. Other work to the amount of 7 units may be made up from any of the other subjects of the above schedule.

III.

ADVANCED STANDING

It is the policy of this College to discourage transfers, but when the conditions are exceptional, students from other medical schools may secure advanced standing by meeting the following requirements:

1. Satisfying the entrance requirements exacted of all members of the class to which admission is sought.
2. Producing satisfactory evidence of having completed a course of study equivalent to that pursued by the class desired to be entered. In this connection attention is called to the fact

*Two units of Greek or Latin may be substituted for the two required units of French or German.

**Credentials of each science course should include evidence of laboratory work.

that no credit toward advanced standing is allowed for work done in schools of Osteopathy, Veterinary Medicine, or in Medical schools rated in Class C by the Council on Education of the A. M. A.

3. Presentation of a statement of honorable dismissal from the medical school previously attended.

IV.

COMBINED LITERARY AND MEDICAL COURSE FOR
THE DEGREES A. B. AND M. D.

Schedule.—Candidates for the two degrees will follow the following fixed schedule if entering from a high school; and if entering with advanced standing, will conform to the order given here as closely as possible. No substitutions or "equivalents" can be recognized. The *two degrees* are given simultaneously at the end of the sixth year.

FIRST YEAR	SECOND YEAR	THIRD YEAR
Math., 11f, 12w, 13s	English, 24	Philos. 11f, 12w, 13s
Biology, 11	Bible, 21f, 22w, 23s	Anatomy, 2, 3, 4
English, 11	History, 11f, 13ws	Bacteriology
Mod. Language	Histol. and Embryol.	Chemistry, 24
Chemistry, 11	Anatomy, 1 (Osteol.)	Toxicology
	Physics, 17	
FOURTH YEAR	FIFTH YEAR	SIXTH YEAR
Sophomore Medical	Junior Medical	Senior Medical

SPECIAL STUDENTS

Post-graduate and special students, not candidates for the degree of Doctor of Medicine, are exempt from entrance requirements and will be admitted to any regular or special courses desired on satisfying the instructors in charge of their fitness to pursue the work. The regular tuition fee will be charged, laboratory courses additional. Certificates will be issued on completion of special or regular courses.

REQUIREMENTS FOR GRADUATION

An applicant for the degree of Doctor of Medicine must:

1. Be 21 years of age.
2. Be of good moral character.
3. Must have a satisfactory record of four full years of medical study, the last year in this institution.
4. Notify the Dean in writing by the 1st of April of the college year that he intends to take the final examinations and pay a final examination fee of \$25.00 at the time of notification.
5. Have previously met all matriculation and promotion requirements to the Senior class in this school.
6. Must have paid all fees in full before taking final examinations in Senior work, removed all conditions, completed the work of the Senior year, and passed the Senior examinations with a grade of not less than 70% in any one subject.

If any student fails in, or refuses to take, any branch or branches of the four years' course, he will be considered ineligible to apply for graduation. No special examinations will be given on the work of the Senior year. Candidates who fail to pass satisfactory examinations in all branches of the Senior year will be required to repeat the entire Senior work before applying again for a degree and will be required to pass satisfactory examinations over the entire Senior work with the class with which they apply for graduation.

EXAMINATIONS AND PROMOTIONS

Final examinations are held the last ten days of the scholastic year. The examinations will cover the work of the entire year. The order of these examinations will be posted, and no variations from same will be permitted except by permission of the Faculty. Promotions are based on grades made at these examinations. No student shall be considered eligible for final examination for credit in any course who has not been in actual attendance in 80% of the time allotted to such course.

Term examinations are not considered as final except wherein a course has been completed. All grades shall be designated by the following terms: Passed, conditioned and failure. A grade of 70 and above shall constitute a pass, one of 60 to 70 a condition, one below 60 a failure. No student shall be eligible to

promotion who has failures or conditions amounting to 10% of the total hours in the year's work. Students who have failed, that is a grade below 60, in any subject, will be required to take the work over the following year.

Credit in any department shall be composite, that is, the student must have made suitable grades in both didactic and laboratory work before he can receive credit for that department. Memoranda records are kept of each individual course, both didactic and laboratory, and a failure in didactic or laboratory work shall not count as a failure in the total number of hours in that department, but as a failure or condition for the number of hours in the particular course in which he is deficient.

Examinations for removing deficiencies and securing advanced standing are held only at the beginning of the First Trimester. *They are given but once, and no special examinations are later held.* Schedule of time and place for these examinations is posted during the first week of each school year.

PRIZES

General Proficiency Prize.—This is awarded only to students who have taken all of their courses in this school, and is presented to the student making the highest percentage during the four years necessary to graduation. It will not be awarded except to students whose general average on final examinations is 90 per cent. or over. Grades made in special examinations will not be considered. The prize is a handsome gold medal. Awarded in 1916-17 to Jesse C. McKean, Jr., and Roger W. McKean.

The Degree Cum Laude.—The degree of Doctor of Medicine, Cum Laude, is conferred upon students of marked ability and high moral character, who shall have made an average of 90 per cent. or more on all final examinations in all the subjects of the four-year course in this institution. Grades made in special examinations will not be considered. Awarded in 1916-17 to Jesse C. McKean, Jr., and Roger W. McKean.

HOSPITAL APPOINTMENTS

Through the courtesy of friends of this school the Faculty is able to offer internships in the hospitals enumerated below. In

awarding them, the prize committee will not be governed wholly by the scholarship of the applicant, but will consider his general fitness for the position. Full information concerning these appointments may be had by applying to the Dean. Other appointments of this character will probably be offered before the close of the term.

SENIORS

St. Joseph's Infirmary, House Surgeon (3), Fort Worth, Texas.
 Harris Sanitarium, Interne, Fort Worth, Texas.
 St. Anthony's Sanitarium, Interne, Amarillo, Texas.
 City and County Hospital, Fort Worth, Texas.

HOSPITAL APPOINTMENTS 1917-1918

St. Joseph's Infirmary, Fort Worth, Texas: Jesse C. McKean, Jr.; Paul D. Robason, C. J. Conner.

All Saints' Hospital, Fort Worth, Texas: Houston Terry.

Texas & Pacific Railway Hospital, Marshall, Texas: S. J. R. Murchison.

College Dispensary: Roger W. McKean.

Tulsa Hospital, Tulsa, Okla.: Mrs. Bertha Margolin.

United States Army Field Hospital Service: W. S. Tyson, First Lieutenant; Ed White, First Lieutenant.

EXPENSES

The wide range between actually necessary expenses and the amount one might spend in a medical course precludes exactness in preparing a statement of this kind. The figures given below are based upon the experience of a large number of students. A little more liberal expenditure of money will secure better accommodations; but for the figures used in this estimate wholesome food and comfortable lodgings can be obtained. The tuition, \$100.00, payable in advance, is the same for all students and is uniform for each of the four years of the medical course.

ESTIMATE OF EXPENSES

Matriculation fee (paid but once).....	\$ 5.00
Tuition for a term of thirty-six weeks....	100.00
Board and lodging for thirty-six weeks....	150.00
Laundry	25.00
Incidentals	75.00
	<hr/>
Total.....	\$350.00

LABORATORY FEES

Freshmen	\$10.00
Sophomores	25.00
Juniors	15.00
Seniors	10.00

It is recommended that all students of the first two years of medical course avail themselves of the special low rates for room and board offered in the dormitories on the University campus. This recommendation is engendered by the thought of closer affiliation of the departments of the University. (See University catalog, page 125, for complete information.)

BOOKS

No allowance is made in the above estimate for the purchase of text-books. Every student, in making his financial arrangements at home, should provide himself with means to purchase one of the recommended texts for each of the branches he expects to study, and should purchase them at the time of matriculation. It is not *infrequent that poor grades* are directly traceable to the want of necessary books, made doubly essential since the method of teaching by lectures has given way to recitations.

The books used as texts are the latest editions. Students do themselves injustice by purchasing old editions.

The following is a conservative estimate of the money necessary for the books, which may be obtained at Dean's office:

Freshman Year	\$40.00
Sophomore Year	40.00
Junior Year	40.00
Senior Year	55.00

FREE TUITION

In each of the laboratories there will be a student assistant who will receive tuition for his services.

Students who enter as Medical Missionaries under the direction of the Christian Brotherhood will receive their tuition free.

Students of other denominations who intend to become Medical Missionaries will be required to give *satisfactory bankable*

notes for their tuition. These notes will be cancelled when the student completes his courses and *becomes* a Medical Missionary. In event the student does not become a Medical Missionary, all notes will become due with interest from date. Special arrangement must be made for such "Conditional Scholarships."

FEES FOR EXAMINATION

No fees are charged in this school for examination, except the finals in the fourth year. Students applying for graduation are required to pay an examination fee of \$25.00, which is not returnable in case applicant fails to pass. No fees will be charged for diploma.

MISCELLANEOUS INFORMATION

Fort Worth is a delightful place of abode during the months of the school term. The climate is mild, and the winter sunshine very grateful to students who wish to avoid the rigors of a more northern latitude. The cost of living, as elsewhere stated, is moderate. Room rent varies from \$3.00 to \$5.00 per week, furnished, according to the distance from the business portion of the city.

In patronizing a home school, students should remember that there is a great saving in the one item of railroad fare alone, large enough in many instances to pay for all the books needed during the course, or to provide the most requisite surgical instruments with which to begin practice.

The Dean's office will be open from 8 a. m. until 1 p. m., and from 2 p. m. until 5 p. m., for the transaction of business. Students are requested to matriculate promptly, and to bring to the office all credentials bearing on the previous courses, in order that assignments may be made without unnecessary delay.

Students who contemplate entering the Freshman class and who desire information with reference to securing the Medical Students' Certificates mentioned on previous pages, should write to the Dean, who will take pleasure in giving them all necessary information.

A large list of boarding and rental houses is kept at the Dean's office for convenience of students, and information con-

cerning this or any other school matter will be cheerfully furnished.

Address all correspondence to Dr. S. A. Woodward, Dean Medical Department, Texas Christian University, Medical College Building, Fort Worth, Texas.

TIME ALLOTTED TO SUBJECTS

FIRST YEAR

	Didactic.	Laboratory.	Total
<i>Anatomy:</i>			
Osteology and Arthrology . . . . .	..	96	96
Dissection . . . . .	..	576	576
Histology	76	128	204
Embryology	44	64	108
<hr/>			
Total Anatomy hours	120	864	984
<i>Chemistry:</i>			
Toxicology	12	12	24
<i>Bacteriology</i>	96	..	96
<hr/>			
Grand total of hours	228	876	1104

SECOND YEAR

	Didactic.	Laboratory.	Total
<i>Anatomy:</i>			
Nervous System and Special Senses . . .	..	48	48
Regional and Topographical Anat. . . .	..	48	48
<i>Physiology</i>	123	142	265
<i>Physiological Chemistry</i> . . . . .	..	180	180
<i>Bacteriology</i> . . . . .	..	180	180
<i>Pathology</i>	128	180	308
<i>Physical Diagnosis</i>	100	20	120
<i>Materia Medica and Pharmacy</i>	18	36	54
<i>Pharmacology</i>	52	120	172
<i>Surgery:</i>			
Minor Surgery and Bandaging . . . . .	..	36	36
<hr/>			
Grand total of hours	421	990	1411

THIRD YEAR

	Didactic.	Laboratory.	Total
<i>Medicine</i>	192	...	192
<i>Clinical Laboratory</i> . . . . .	...	144	144
<i>Surgery</i>	96	100	196
<i>Minor Surgery and Bandaging</i> . . . . .	...	36	36
<i>Obstetrics</i>	64	72	136
<i>Gynecology</i>	32	38	70
<i>Neurology</i>	32	20	52
<i>Pharmacology</i>	73	..	73
<i>Post-Mortem</i>	32	32	64
<i>Hygiene, State Medicine and Climatology</i>	96	...	96
<i>Ophthalmology</i> . . . . .	...	30	30
<i>Otology</i> . . . . .	...	18	18
<i>Rhino-Laryngology</i> . . . . .	...	18	18
<i>Electro-Therapeutics</i>	12	...	12
<i>Dispensary</i> . . . . .	...	...	384
Grand total of hours	629	508	1521

SENIOR YEAR

	Didactic.	Clinic.	Total
<i>Surgery</i>	75	320	395
<i>Gynecology</i>	64	64	128
<i>Neurology</i>	32	32	64
<i>Therapeutics</i>	32	32	64
<i>Otology</i>	16	16	32
<i>Post-Mortem Study</i> . . . . .	...	32	32
<i>Rhino-Laryngology</i>	16	16	32
<i>Ophthalmology</i>	32	32	64
<i>Pediatrics</i>	53	32	85
<i>Electro-Therapeutics</i>	12	...	12
<i>Medical Jurisprudence</i>	64	...	64
<i>Genito-Urinary and Rectal</i> . . . . .	...	64	64
<i>Dermatology</i> . . . . .	...	64	64
<i>Medicine</i> . . . . .	...	160	160
<i>Orthopedics</i> . . . . .	...	32	32
<i>Obstetrics</i>	32	32	64
Grand total of hours	428	928	1356

RECAPITULATION

	Didactic.	Clinic.	Laboratory.	Total
First year	228	...	876	1104
Second year	421	...	990	1411
Third year	629	384	508	1521
Fourth year	428	928	...	1356
	<hr/>	<hr/>	<hr/>	<hr/>
Grand total hours...	1656	1312	2404	5392

FRESHMAN YEAR

FIRST TRIMESTER: October 1st to December 29th, 1917

Hour	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8-9	Histology Laboratory		Histology Laboratory		Embryology Laboratory	
9-10						
10-11	Bacteriology		Bacteriology		Bacteriology	
11-12	Histology		Histology		Histology	
1-2	Osteology	Toxicology	Osteology	Toxicology	Osteology	
2-5	Anatomy					
5-6	Embryology		Embryology			

SECOND TRIMESTER: January 2nd to March 23rd, 1918

Hour	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8-9	Histology Laboratory		Histology Laboratory		Embryology Laboratory	
9-10						
10-11	Bacteriology		Bacteriology		Bacteriology	
11-12	Histology		Embryology		Histology	
1-2	Osteology		Osteology		Osteology	
2-5	Anatomy					

THIRD TRIMESTER: March 25th to June 7th, 1918

Hour	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8-9	Histology Laboratory		Histology Laboratory		Embryology Laboratory	
9-10						
10-11	Bacteriology		Bacteriology		Bacteriology	
11-12	Histology		Embryology		Histology	
1-2	Osteology		Osteology		Osteology	
2-5	Anatomy					

SOPHOMORE YEAR

FIRST TRIMESTER: October 1st to December 29th, 1917

Hour	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8-9	Bacteriology Laboratory					
9-10	Bacteriology Laboratory					
10-11	Physiological Chemistry Laboratory					
11-12	Physiological Chemistry Laboratory					
1-2	Pathology	Anatomy	Pharmacology	Anatomy	Pathology	Anatomy
2-3	Physical Diagnosis	Pathology	Physical Diagnosis	Pathology	Physical Diagnosis	Physical Diagnosis
3-4	Physiology					
4-5						
5-6						

SECOND TRIMESTER: January 2nd to March 23rd, 1918

Hour	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8-9	Bacteriology Laboratory to Jan. 29th.					
9-10	Physiology Laboratory after Jan. 29th.					
10-11	Physiological Chemistry to Jan. 29th.					
11-12	Pathology Laboratory after Jan. 29th.					
1-2	Pathology	Anatomy	Pharmacol'gy	Anatomy	Pathology	Pharmacol'gy
2-3	Physical Diagnosis	Pathology	Physical Diagnosis	Pathology	Physical Diagnosis	Physical Diagnosis
3-4	Pharmacol'gy	Physiology	Pharmacol'gy	Physiology	Pharmacol'gy	Physiology
4-5	Laboratory	Anatomy	Laboratory	Anatomy	Laboratory	Anatomy
5-6						

THIRD TRIMESTER: March 25th to June 7th, 1918

Hour	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8-9	Physiology	Materia Medica and Pharmacy	Materia Medica and Pharmacy	Physiology	Materia Medica and Pharmacy	Physiology
9-10	Laboratory	Materia Medica and Pharmacy	Materia Medica and Pharmacy	Laboratory	Materia Medica and Pharmacy	Laboratory
10-11	Pathology Laboratory					
11-12	Pathology Laboratory					
1-2	Pathology	Anatomy	Pharmacol'gy	Anatomy	Pathology	Physiology
2-3	Physical Diagnosis	Pathology	Physical Diagnosis	Pathology	Physical Diagnosis	Physical Diagnosis
3-4	Pharmacol'gy	Minor Surgery and Bandaging	Pharmacol'gy	Minor Surgery and Bandaging	Pharmacol'gy	Physiology
4-5	Laboratory	Minor Surgery and Bandaging	Laboratory	Minor Surgery and Bandaging	Laboratory	
5-6						

JUNIOR YEAR

FIRST TRIMESTER: October 1st to December 29th, 1917

Hour	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8-9	Hygiene	Pharmacol'gy	Hygiene	Pharmacol'gy	Hygiene	Gynecology
9-10	Medicine	Medicine	Surgery	Medicine	Surgery	Post - Mortem
10-11	Obstetrics	Surgery	Medicine	Obstetrics	Medicine	Medicine
11-12	Electro Therapeutics	Post - Mortem Study				Neurology
1-2	Dispensary (See Schedule)					
2-3						
3-4						
4-5						
Clinical Laboratory						

SECOND TRIMESTER: January 2nd to March 23rd, 1918

Hour	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8-9	Hygiene	Pharmacol'gy	Hygiene	Pharmacol'gy	Hygiene	Gynecology
9-10	Medicine	Medicine	Surgery	Medicine	Surgery	Post-Mortem
10-11	Obstetrics	Surgery	Medicine	Obstetrics	Medicine	Medicine
11-12		Post - Mortem Study		Neurology	Neurology Laboratory	
1-2	Dispensary (See Schedule)					
2-3						
3-4						
4-5						
Obstetrics and Gynecology Laboratory						
5-6	Ophthalmology 30 Hrs., Rhino-Laryngology 18 Hrs. and Otology 18 Hrs. Laboratory					

THIRD TRIMESTER: March 25th to June 7th, 1918

Hour	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8-9	Hygiene	Pharmacol'gy	Hygiene	Pharmacol'gy	Hygiene	Pharmacology
9-10	Medicine	Medicine	Surgery	Medicine	Surgery	Post - Mortem
10-11	Obstetrics	Surgery	Medicine	Obstetrics	Medicine	Medicine
11-12		Post - Mortem Study		Neurology	Neurology Laboratory	Gynecology
1-2	Dispensary (See Schednle)					
3-4						
4-5						
5-6						
Surgical Laboratory						

SENIOR YEAR

FIRST TRIMESTER: October 1st to December 29th, 1917

Hour	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8-9	Surgical Clinic All Saints		Medical Jurisprudence	Medical Jurisprudence	Ophthalmol'gy	Medicine Clinic St. Joseph's
9-10		Gynecology	Therapeutics	Surgery	Gynecology	
10-11	Surg. Clin. Harris Sanitarium	Pediatrics	Oto-Laryngology	Pediatrics	Therapeutics Clinic	Surgery
11-12		Post-mortem Study	Case Histories			
1-2	Case Histories			Neurology	Case Histories	General Surgery Clinic St. Joseph's
2-3	Dermatology	Medical Clinic	Dermatology	Medica Clinic	Eye Clinic	
3-4	Pediatric Clinic	Surgical Clinic	G. U. and Rectal Clinic	Surgical Clinic	Ear and Throat Clinic	Gynecology Clinic
4-5	Orthopedics Clinic				Neurology Clinic	
5-6	Electro-Therapeutics	Obstetrical Clinic	Obstetrics			

SECOND TRIMESTER: January 2nd to March 23rd, 1918

Hour	Monday	*Tuesday	Wednesday	Thursday	Friday	Saturday
8-9	Surgical Clinic All Saints		Med. Juris.	Med. Juris.	Ophthalmol'gy	Medicine Clinic St. Joseph's
9-10		Gynecology	Gynecology	Surgery	Surgery	
10-11	Surg. Clin. Harris Sanitarium	Pediatrics	Oto-Laryngology	Therapeutics	Therapeutics Clinic	Surgery
11-12		Post-mortem Study	Case Histories			
1-2	Case Histories			Neurology	Case Histories	General Surgery Clinic St. Joseph's
2-3	Dermatology	Med. Clinic	Dermatology	Medicine Clinic	Eye Clinic	
3-4	Pediatrics Clinic	Surgery Clinic	G. U. and Rectal Clinic	Surgery Clinic	Ear and Throat Clinic	Gynecology Clinic
4-5	Orthopedic Clinic				Neurology Clinic	
5-6		Obstetrics Clinic	Obstetrics			

THIRD TRIMESTER: March 25th to June 7th, 1918

Hour	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8-9	Surgery Clinic All Saints	Med. Ethics	Med. Juris.	Med. Juris.	Ophthalmol'gy	Medicine Clinic St. Joseph's
9-10		Gynecology	Therapeutics	Surgery	Gynecology	
10-11	Surg. Clin. Harris Sanitarium	Pediatrics	Oto-Laryngology	Pediatrics	Ther. Clinic	Surgery
11-12		Post-mortem Study	Case Histories			
1-2	Case Histories			Neurology	Case Histories	General Surgery Clinic St. Joseph's
2-3	Dermatology	Medicine Clinic	Dermatology	Medicine Clinic	Eye Clinic	
3-4	Pediatrics Clinic	Surgery Clinic	G. U. and Rectal Clinic	Surgery Clinic	Ear and Throat Clinic	Gynecology Clinic
4-5	Orthopedic Clinic				Neurology Clinic	
5-6		Obstetric Clin	Obstetrics			

CURRICULUM BY SUBJECTS

ANATOMY

Professors:

Frank G. Sanders, Ph. G., M. D., of Anatomy.

....., of Histology and Embryology.

Associate Professors:

E. L. Myrick, M. D.

Jesse C. McKean, Jr., M. D.

Student Demonstrators:

.....

GROSS HUMAN ANATOMY

The required courses in Anatomy are given in first, second and third years, with a salaried instructor in constant attendance.

The instruction consists largely of practical laboratory exercises, augmented by demonstrations, recitations, lectures and study of the various sections and dissections, models, charts, etc., covering the entire body.

During the first year the student completes the work in Gross Anatomy, Histology and Embryology, excepting that of the Central Nervous System and Special Senses.

In the second year the study of the gross and minute anatomy of the Central Nervous System is undertaken. This is followed by a course in Topographical and Regional Anatomy and Anatomy of the Special Senses.

Surgical Anatomy is given in the third year.

Owing to the abundance of first-class anatomical material, elective and advanced work is open to prepared students and to those who show an aptitude and desire for this particular subject.

The department library contains the various text books of anatomy, anatomical journals, monographs, atlases, etc.

A projection apparatus is available at all times.

The work falls under the following sections:

FIRST YEAR

1. *Osteology and Arthrology*.—Students supplied with skeletons and bones. Accurate drawing of the typical bones will be required. Osteology of each part under dissection is also a requisite. Three hours a week. Associate Professor Myrick.
2. *Systematic Course in the Anatomy of the Extremities*.—192 hours: dissection, quizzes and demonstrations.
3. *Systematic Course in the Anatomy of the Abdomen and Pelvis*.—192 hours dissection, quizzes and demonstrations. The abdomen is dissected in either a male or female subject, the student making, in addition, a careful study of museum preparations and the various dissections made by other members of the class, as he is held responsible for a thorough knowledge of the anatomy of both sexes.
4. *Systematic Course in the Anatomy of the Head, Neck and Thorax*.—192 hours of dissection, quizzes and demonstrations, supported with lectures. Professor Sanders and assistants.
5. *Histology*.—Lectures and recitations, covering the study of cells, their reproduction, the structure and development of normal tissue. Each portion of the work, as taken up, will be demonstrated by drawings, and, when possible, microscopic sections will be demonstrated by the projection lantern. 76 hours. Prof.
6. *Histology Laboratory*.—This course will be given during the entire year, periods of two hours twice a week. Cut sections of various tissue, properly stained, will be given to the student to mount. Each mount will be studied and drawn and retained by the student for future reference. Special attention will be given to sections of organs of special sense and nervous system. 128 hours. Prof.
7. *Embryology*.—A course of forty-four lectures covering the study of individual cell division, and formation of germ layers of the embryo. Lecture work will be supplemented by drawings and lantern slides. Prof.
8. *Laboratory Work*.—A two-hour period per week for the entire year will be given to this portion of the work. In

this course the student will mount and draw sections, showing the early stages of germ cells, germ layers, embryonic tissues, and the origin and early stages of organs. Dr.

.....

SECOND YEAR

1. *Nervous System and Special Senses.*—Laboratory work on the human brain, spinal cord and sense organs. 48 hours. The formalin method of preservation of the cadaver has revolutionized the study of the brain. The students are furnished with an abundance of brain and spinal cord in excellent state of preservation. The museum specimens are used in this work as a valuable aid, and the best dissections from the choicest materials are added to the museum. A number of tracings are required in this course.
Anatomy of the Eye, Ear and Bones of the Head.—This course is given in connection with the Central Nervous System and will include illustrated lectures, using the epidiascope projection apparatus, papier maché, enlarged models, charts and dissections of fresh ox eyes, some stained with picro-carmin.
2. *Regional and Topographical Anatomy.*—This course is only open to those who have dissected the entire human body, and is designed to cover those features in anatomy that have direct application to the practice of medicine and surgery. It includes the study of anatomical landmarks and surface topography, with reference to the location and relation of viscera, nerves, arteries and other clinically important parts and structures of the body, and drawing of cross-sections of the cadaver. This instruction consists of laboratory work, demonstrations, quizzes, etc. 48 hours.

THIRD YEAR

1. *Surgical Anatomy.*—This is essentially a laboratory course and consists of work on the cadaver, recitations, lectures, demonstrations, and quizzes illustrating the anatomical relations involved in the various surgical procedures. This covers two periods of two hours each for eight weeks and is given by Associate Professor of Surgery Roy F. Saunders.

CHEMISTRY

Professor, R. H. Needham, Ph. C.

Student Assistant,

FIRST YEAR

1. *Toxicology*.—A series of twelve lectures will be given during the Second Trimester, in which this science will be taught in such a manner that the student may be rendered familiar with the more common poisons, their symptoms in the human body and their treatment. Demonstrations of the methods for detection of several alkaloids will be made before the class, and twelve hours' practical laboratory work will be given during the Third Trimester. Prof. Needham.

PHYSIOLOGIC CHEMISTRY

SECOND YEAR

1. This is a laboratory course which will include recitations, demonstrations and quizzes. It must be preceded by the course in first year chemistry known as organic chemistry. The course will continue for fifteen weeks, consisting of two hours' work every day.

The study of enzymes, their classification and actions, will be first taken up. Experiments on enzymes and anti-enzymes and quantitative determinations of the activity of the more important ones will be demonstrated by the students in the laboratory. The composition of carbohydrates, proteins and fats will be next studied. Gastric digestion, with analysis of both true and artificial gastric juice, will be given attention, each student being required to make at least one analysis aside from regular assigned work. Pancreatic digestion will next be taken up, due attention being given to the tests for enzymes and end products. Bile and its chemistry will be considered.

Careful attention is given the study of blood chemically and also the application of tests for its identity under various circumstances. Students will be expected to use the spectroscope in identifying suspected blood.

The composition of milk is studied and the student instructed in detecting adulterants and preservatives. A com-

plete analysis of samples of milk, cream and ice cream will be required of each student.

The study of normal urine will be next taken up and the various constituents isolated wherever possible. The student will be instructed as to the normal and pathologic constituents, and will be expected to analyze a required number of samples of both pathological and normal urine. Each student will be expected to provide himself with a uniform note-book and to tabulate all results and experiments for the inspection of the instructor.

PHYSIOLOGY

Professor, W. M. Winton, B. S., M. S.

Associate Professor, Roger W. McKean, M. D.

1. *Lectures and Recitations.*—Instruction in this branch will be confined entirely to the second year in Medicine and will be based upon laboratory work, demonstrations, and lectures. Lectures and recitations will continue for twenty-one weeks, six hours per week. Laboratory and demonstration periods will embrace a period of twelve weeks, two hours per day. Our laboratory equipment is complete and students will work in sections of four *only*, under an assistant, which will assure individual work upon the part of the student.

General Physiology.—An introduction beginning with cellular biology and proceeding to the physiology of muscle and nerve tissue.

The physiology of the central nervous system and special senses will be discussed, taking up the general physiology of the brain, medulla, spinal cord, etc.

The physiology of the organs of circulation of blood and lymph and respiration and those factors which concern these phenomena will be studied in detail.

The influence of various conditions upon respiration, with the physical and chemical changes in air and blood caused by respiration, will be carefully considered.

Digestion and secretions, with reference to those changes in foodstuffs which take place in the alimentary canal. The effect of secretions and their role in digestion will be largely left to physiologic chemistry.

Nutrition and heat production and regulation will receive due attention. Review will be given the principles of dietetics, and the metabolic changes which various food-stuffs undergo in the system will be followed.

The physiology of reproduction will be briefly considered.

2. *Laboratory Work*.—While the laboratory work will not parallel the courses in lectures, as all the laboratory work will be given during a consecutive period, still it is the intention to fully demonstrate all phenomena of value to the student, such as that of contraction, conduction, reflexes, etc. The more difficult experiments will be conducted by the demonstrator, while the more simple ones each student will be expected to perform. 142 hours.

PHARMACOLOGY AND THERAPEUTICS

Professor, C. H. McCollum, M. D.

Associate Professor, Roger W. McKean, M. D.

Assistants:

J. W. Shoemaker, M. D.

Harvey O. Brannon, M. D.

C. C. Martin, Ph. G.

The department of pharmacology and therapeutics has a full laboratory equipment for the study of the principles of materia medica, pharmacy and the physiological action of drugs.

The course of instruction consists of laboratory work, lectures and recitations. The work of the second year covers the materia medica, pharmacy and the physiologic action of drugs. The third and fourth year instruction embraces the principles of the therapeutic application of all remedial agents.

The laboratory cabinets contain all the more important drugs and chemicals and their preparations.

SECOND YEAR

1. *Materia Medica*.—This course is designed to familiarize the student with all the more important crude drugs. Eighteen hours will be devoted to a study of their names, origin, history, physical appearance and composition, etc. Mr. Martin.
2. *Pharmacy*.—Thirty-six hours will be devoted to pharmacy. This is a laboratory course, wherein the student will be

atrophy, hypertrophy, regenerations, inflammations, tumors, malformations, the granuloma and parasites will be thoroughly covered.

Lectures on Special Pathology will be illustrated by fresh and museum specimens and microscopic preparations.

2. *Laboratory Work*.—Twelve hours a week for fifteen weeks are devoted to this work, during which time the student is presented with over 175 specimens for examination and study. The specimens illustrate nearly all the pathologic changes in the body—the results of diseased conditions—including pathology of the blood. Students will be required to write a description and make a drawing of each specimen studied. These specimens may be kept by the student for future reference and study. Each student will be required to become proficient in the technic of preparing specimens; their hardening, imbedding, cutting and staining, and in the use of the freezing microtome.

THIRD AND FOURTH YEARS

1. Complete protocols of every autopsy will be required.
2. One hour a week will be devoted to demonstrations of gross pathology and microscopical findings of all autopsy material.

NOTE.—Junior and Senior students will be excused from other classes when autopsies are held.

PRACTICE OF MEDICINE

Professor, Willis G. Cook, B. S., M. D.

Clinical Professors:

Edwin Davis, M. D.

John D. Covert, M. D.

Associate Professors:

J. A. Kelly, M. D.

F. E. Rushing, M. D.

Rufus B. West, M. D.

T. C. Terrell, M. D.

H. Duane Meredith, M. D.

Assistants:

William S. Horn, M. D.

Y. J. Mulkey, M. D.

W. M. Trimble, M. D.

SECOND YEAR

1. *Physical Diagnosis*.—One hundred and twenty hours will be devoted to this course. Quizzes on text-book assignments,

personally supervised examinations of patients, clinical lectures and history taking will comprise this course. Selected cases from the outdoor clinic and hospital cases will furnish sufficient material. All modern aids and methods of diagnosis are used. It is the aim of this course to train the student to make systematic and thorough examinations of patients. Prof. Covert.

THIRD YEAR

1. *Clinical Laboratory Diagnosis*.—One hundred and forty-four hours of laboratory work and recitations will be given in this course. Examinations of urine, sputa, gastric contents, pus, throat smears, blood, etc., are made by the students in the clinic laboratory. Instruction in the use of the microscope in blood counting, the staining and examination of blood smears, dark ground illumination, agglutination and hemolytic reactions will form an important part of this course. Prof. Meredith.
2. *General Medicine*.—Six hours a week during the entire year will be given to lectures and recitations upon general medicine. An effort will be made to cover the field of the most important medical diseases, leaving to the fourth year the more detailed study of specific and rarer diseases. A special assignment has been made for the study of tropical diseases. Prof. Cook, and Staff.
3. *Dispensary Clinics*.—Six hours per week Dispensary work is required of third year students. Medical Staff.

FOURTH YEAR

1. *Clinics*.—Two clinics a week will be held at the City and County Hospital. One clinic a week will be held at St. Joseph's Infirmary. Students are assigned cases and opportunity given for their study and to make such examinations as may be necessary before presented in the clinic. Complete case histories and reports of all examinations made are required and filed for record. The clinical laboratory will be in charge of competent instructors and accessible to students two hours each day. The preliminary study of cases and preparation of histories are considered most important features of clinical instruction. Profs. Cook, Davis, and Covert.

SURGERY

Professor, Bacon Saunders, M. D., LL. D., F. A. C. S.

Clinical Professors:

Ira C. Chase, A. M., M. D., F. A. C. S.

W. A. Durlinger, M. D., F. A. C. S.

Charles H. Harris, M. D., F. A. C. S.

Associate Professors:

Roy F. Saunders, M. D., F. A. C. S. Claude O. Harper, M. D.

William C. Durlinger, M. D.

Assistants:

J. M. Givens, M. D.

D. J. Saunders, M. D.

SECOND YEAR

1. *Minor Surgery and Bandaging*.—Students are thoroughly trained in the practical uses of bandages and in the proper methods of preparation and application of surgical dressings in minor injuries. They will be required to apply bandages and dressings, and demonstrate minor surgical technic under the supervision of the instructor. Prof. W. C. Durlinger.

NOTE.—This course is required in Third Year of students who have not hitherto taken same.

THIRD YEAR

1. *Principles of Surgery and Surgical Pathology*.—This course will cover, by three lectures a week for twelve weeks, the causes and symptoms of surgical diseases, and will also be elucidated and demonstrated by clinical cases and pathological material. Prof. Harper.
2. *Fractures and Dislocations*.—These conditions will be given the careful, practical consideration their importance demands. Both the diagnosis and treatment will be given ample and practical demonstration. Students will be required to participate in the selection of and the practical application of proper mechanical appliances. Thirty-two hours. This course will follow the one on *The Principles of Surgery*. Prof. Harris.

See Note under "*Minor Surgery and Bandaging*," above.

3. *Surgical Anatomy and Operative Surgery* covers frequent and practical reviews of general and topographical anatomy in its relation to surgical diseases and operative surgery.

Both surgical anatomy and technic of operations will be carefully taught by demonstrations on the cadaver. Students are required to do the work on the cadaver under the direct supervision of the instructor. For this course students are expected to provide themselves with gowns and dissecting paraphernalia. Two periods of two hours each for eight weeks will be devoted to this course. Prof. Roy F. Saunders.

4. *Surgical Anatomy and Technic*.—A thorough course in surgical technic on animals. It includes thoracic operations, gastrotomy, gastric resection, gastro-enterostomy, enterostomy, suprapubic cystotomy, ureteral anastomosis, and such joint, tendon and nerve surgery and organ transplantation as time will allow. All work is done by students under strict supervision, on carefully anaesthetized animals, which are given the best hospital care. Especial emphasis will be laid on after care and end results. This course finishes the surgical laboratory work and receives four hours a week the last twelve weeks of school. Prof. Chase.
5. *Dispensary Clinics* are held daily by the surgical staff.

FOURTH YEAR

1. *Practice of Surgery and Clinical Surgery*.—Thorough and comprehensive instruction will be given in the practice of surgery covering the diagnosis and treatment of surgical diseases and conditions. Seventy-five hours. Profs. Bacon Saunders and Roy F. Saunders.

CLINICS

1. One clinic per week will be held at All Saints' Hospital. The Senior class will be organized into sections, which will serve in rotation. To the class, the histories of cases will be presented. The section serving is expected to make a diagnosis and outline a course of treatment subject to critical review of the professor. Prof. W. A. Durringer.
2. (St. Joseph's Infirmary).—Every Saturday morning during the term two or more hours will be devoted to operative work and practical demonstration in the amphitheater of the Infirmary, and bedside instruction in the wards. Members of the class are required to write the case histories, make the necessary pathological examinations and pre-

operative diagnoses under the supervision of the instructor. Also each member of the Senior class will be required to familiarize himself with the administration of the different anaesthetics under the direct supervision of an experienced and competent anaesthetist. Prof. Saunders.

3. One clinic per week will be held at Harris' Sanitarium. The Senior class will be organized into sections which will serve in rotation. To the class, the histories will be presented; they will reach diagnosis and outline a course of treatment subject to the critical review of the instructor. Prof. Harris.
4. Two clinics per week at the City and County Hospital will be held under the supervision of the surgical staff.

ORTHOPEDIC SURGERY

Professor, Leonidas A. Suggs, M. D.

THIRD YEAR

1. *Dispensary Service* will be required of Junior Class. (See Schedule.)

FOURTH YEAR

1. *Lectures and Clinics*.—Thirty-two lectures and clinics will be given during the year, in which the science of surgery as applied to orthopedics will be fully reviewed. The transplantation and fixation of tendons, and the correction of all species of deformity will be thoroughly demonstrated. Clinics will be held either at the College or at the City and County Hospital.

GENITO-URINARY AND RECTAL DISEASES

Professor, Kent V. Kibble, B. S., M. D.

Associate Professor, Chas. Haddon Sanders, A. B., M. D.

Assistants:

Giles W. Day, M. D.

Gause W. Covington, M. D.

THIRD YEAR

1. *Dispensary Clinics* will be held daily by Staff.

FOURTH YEAR

1. *Clinical Lectures and Technic*.—This course will consist of two clinical lectures a week during the entire year, illus-

trated with abundant clinical material of great variety. Lectures will completely cover the etiology, pathology, diagnosis and treatment of diseases of the genito-urinary organs and rectum. The technic in the use of endoscope, cystoscope, bougies, irrigators, instillations, etc., will be thoroughly demonstrated. Appointments from the class to assist in the operations, giving opportunities for thorough training in surgical work and diagnostic technic. The students will be assigned to cases and will be required to take complete case histories and present to the clinics with their diagnosis. Prof. Kibbie and Staff.

MEDICAL JURISPRUDENCE

Professor, James A. Clay, A. B.

Associate Professor, Rufus B. West, M. D.

1. *Medical Jurisprudence*.—The student will be taught his duties from a legal standpoint, his duties to the State and the legal relationship between physician and patient. A few practical lectures on life insurance examination will be given in this course. Sixty-four hours will be devoted to this course. Profs. Clay and West.

OBSTETRICS

Professor:

Marquis E. Gilmore, Ph. C., M. D.

Associate Professors:

L. M. Whitsitt, Ph. G., M. D.

J. B. Cummins, M. D.

Assistants:

Henry B. Littlepage, Ph. G., M. D.

Oscar R. Grogan, M. D.

Will B. Nies, A. B., M. D.

THIRD YEAR

1. *Lectures and Quizzes*.—Two hours a week during the entire session. In order that the student shall have a thorough knowledge of obstetrics, a large part of the work will consist of quizzes from texts. Prof. Cummins.
2. *Laboratory and Demonstration*.—The student is thoroughly drilled in manikin work and becomes proficient in diagnosis of presentations, positions and postures and in the applica-

tion of forceps. The diagnosis of pregnancy is thoroughly studied. The clinics, when available, will be used for this purpose. The student is thoroughly drilled in asepsis and antiseptics and in the technic of obstetrical surgery. Seventy-two hours. Prof. Whitsitt and Dr. Grogan.

3. *Lectures and Quizzes*.—One hour a week during entire year on pathology of labor. Prof. Gilmore.

FOURTH YEAR

1. *Clinics*.—One clinic a week is given during the entire year. Prof. Gilmore.

Hospital clinics and an outdoor obstetrical service are maintained. The Senior class is divided into sections and an equal number from each are taken in rotation, so that during the Senior year the student will have witnessed, assisted and delivered a large number of cases in the hospital and in the out-clinic obstetric service. Prof. Gilmore and Obstetric Staff.

NEUROLOGY

Professor, Wilmer L. Allison, M. D.
Associate Professor, James D. Bozeman, M. D.
Clinical Assistant, Bruce Allison, M. D.

THIRD YEAR

1. *Lectures*.—One hour each week during the entire session will be devoted to didactic teaching. Prof. Bozeman.
2. *Laboratory and Demonstration*.—Twenty hours will be devoted to demonstration and laboratory work. Practical application of all of the methods of diagnosis of nervous conditions are made use of, in order that the student may become familiar with all diagnostic aids. Drills in taking histories and making a diagnosis in nervous and mental disorders are emphasized. Prof. Bozeman.
3. *Dispensary Clinics* will be held twice a week by the Staff.

FOURTH YEAR

1. *Lectures*.—One hour a week during the entire year, continuing the work of the Junior year, this covering the entire ground of nervous and mental diseases. Prof. Allison.
2. *Clinics*.—One hour a week is devoted to clinics. Practically

all forms of nervous diseases will be shown at these clinics. We have, outside of the hospital, cases from private sanitariums, as well as interesting cases from private practice. The County Jail furnishes an abundance of psychiatry cases, thus affording the students ample opportunities to become familiar with the forms of mental and nervous diseases. Prof. Allison and Staff.

GYNECOLOGY

Professor, W. Ernest Chilton, M. D.

Clinical Professor, S. A. Woodward, M. D., F. A. C. S.

Associate Professors:

H. B. Kingsbury, B. S., M. D. Isaac A. Withers, M. D.

Ewin P. Hall, M. D.

Assistant:

Webb Walker, M. D.

THIRD YEAR

1. *Lectures and Recitations*.—One hour a week during the entire session. Anatomy and physiology of the female generative organs, etiology, pathology, diagnosis and treatment of diseases under the head of Medical Gynecology, are studied. Profs. Withers and Hall.
2. *Laboratory*.—Practical demonstrations and drills in examinations, case histories, methods of diagnosis of various pathological conditions are given in conjunction with the laboratory course in obstetrics. Thirty-eight hours. Prof. Kingsbury.
3. *Dispensary Clinics* will be held daily by Staff.

FOURTH YEAR

1. *Lectures and Quizzes*.—Two hours a week during the entire year, consisting of clinical and didactic recitations, continuing the Junior year and taking up surgical gynecology. Profs. Chilton and Woodward.
2. *Clinics*.—One two-hour clinic per week will be held at St. Joseph's Infirmary or the City and County Hospital. Profs. Chilton or Woodward and Dr. Webb Walker.

OPHTHALMOLOGY

Professor, William R. Thompson, M. D., F. A. C. S.
Associate Professor, Robert W. Moore, Ph. B., M. D.

THIRD YEAR

1. Thirty hours will be devoted to laboratory work. A careful study of the various instruments will be made and a demonstration of their uses; advantages and disadvantages being shown. Special attention will be paid to refraction. Prof. Moore.
2. *Dispensary Clinics* will be held on alternate days. Prof. Moore.

FOURTH YEAR

1. Thirty-two hours will be given to class work, consisting of conferences of clinic cases, with a careful study of more common eye diseases. Explanation of the several operations done during the year will be discussed. Quizzes will be frequent over assigned work. Prof. Thompson.
2. Thirty-two or more hours will be devoted to clinical instruction, during which times the operations of the eye, ear, nose and throat will be shown. Profs. Thompson and Moore.

RHINO-LARYNGOLOGY

Professor, Frank D. Boyd, M. D., F. A. C. S.
Associate Professor, C. B. Simmons, M. D.
Assistant, James J. Richardson, M. D.

THIRD YEAR

1. Eighteen hours will be devoted to laboratory work. A study of the instruments of percision and diagnosis will be made, together with a demonstration of their uses. Special attention will be given to the study of associated diseases of the ear, nose, throat and larynx.
2. *Dispensary Clinics* will be held on alternate days by Staff.

FOURTH YEAR

1. Sixteen hours will be devoted to didactic work. Frequent quizzes will be a prominent feature. The more common diseases of the subject will be carefully covered and the rarer conditions studied. Prof. Boyd.
2. Sixteen hours will be devoted to clinical instruction. During this time many interesting cases will be presented and operated. Prof. Boyd and Staff.

OTOLOGY

Professor, R. H. Gough, A. B., M. D.

THIRD YEAR

1. Eighteen hours will be devoted to laboratory work, during which time a careful study of the mechanism of the ear will be made, together with the tests for hearing, including external, middle and internal ear tests. Models, as well as the ear, in living subjects, will be studied. Prof. Gough.
2. *Dispensary Clinics* will be held on alternate days. Prof. Gough.

FOURTH YEAR

1. Sixteen hours will be devoted to didactic work, which shall consist principally of recitation and quizzes. During this time a study will be made of the more common as well as a few of the more rare ear conditions. Prof. Gough.
2. Sixteen hours will be devoted exclusively to clinical teaching. During this clinical instructions the usual operations upon the ear will be demonstrated. Prof. Gough.

PEDIATRICS

Professor, Jesse S. Bardin, M. D.

Associate Professor, William C. Lackey, M. D.

Clinical Professors:

D. Emory Allen, M. D.

William R. Rounds, M. D.

Assistant:

Chas. F. Hayes, M. D.

THIRD YEAR

1. *Dispensary Clinics* will be held daily. Profs. Allen and Rounds.

FOURTH YEAR

1. *Lectures and Recitations.*—Fifty-three hours will be devoted to this subject. In this course the anatomy and physiology of infants, with their development and growth, hygiene and general care in early life, will be carefully considered. This course will demonstrate the modification of cow's milk for infant feeding, pasteurization, etc., the composition and nutritive values of the different proprietary infant foods,

and the proper selection of foods and feeding. The consideration of the diseases of childhood, their influence upon the development and growth of childhood, the proper care and feeding for sick children. The methods of diagnosis, history taking, treatment, etc., will receive special attention.

2. *Clinics*.—One each week. Prof. Bardin and staff.

DERMATOLOGY AND SYPHILOLOGY

Professor, Sidney J. Wilson, M. D.

THIRD YEAR

1. *Dispensary Clinics*.—Once a week. Prof. Wilson.

FOURTH YEAR

1. *Clinics*.—This course will comprise a study of the essentials of diagnosis, including a classification of the various skin lesions, and a general consideration of the more common skin diseases. A systematic course on syphilis as a whole, and detailed consideration of its cutaneous manifestations, will be given. Two clinics will be given each week during the entire year.

Students are required to make examinations, write histories, make diagnoses, and suggest treatment. The College Dispensary furnishes an abundance of clinical material for a thorough course in this branch. Prof. Wilson.

HYGIENE AND STATE MEDICINE AND CLIMATOLOGY

Professor, Lieut.-Col. Holman Taylor, B. S., M. D.

Associate Professors:

Frank Gray, M. D.

Major John B. Hawley, C. E.

1. This course is intended to be fundamental rather than practical. That is to say, no attempt is here made to turn out finished sanitarians and health officers. The time at the disposal of the undergraduate is not sufficient for such a purpose. The course is so designed that the student at the close of the term, is in a position to apply that which he has

learned here, together with those principles derived from other courses, either to the purposes of his private practice or in carrying on the ordinary duties of a county or city health officer, for which positions most of our graduates will have access in the course of their regular practice. An attempt is made in this course to cover thoroughly the subjects of Personal Hygiene, Public Hygiene, sanitation in general and the relationship of the State to the public health, commonly grouped under the general term State Medicine. Between the subjects Personal Hygiene and Public Hygiene proper, is placed a course of lectures on what may be termed Military Hygiene, as typifying the application of the principles of personal hygiene in a more restricted sense than is the case in so-called public hygiene. In order that these subjects may be comprehended, a thorough course is given in practically applied physics, relating to the air; soil; water; housing, which includes ventilating, heating and lighting; plumbing, sewage and garbage disposal. Approaching the subject of State Medicine, a full course in disinfection and fumigation is given, with practical demonstration. Under State Medicine, an effort is made to consider fully the vital points in all efforts by the State to control disease, whether pestilential or otherwise, and whether by quarantine or simple sanitation. Our own State laws are thoroughly covered, as they relate to quarantine, sanitation, disposal of the dead, etc. The general subject of foods and food products is dealt with in the manner of the other subjects considered, that the physician may know his purposes more thoroughly, should he go into public health work, or should he need to consider the application of these principles in his private practice. The contagious diseases are taken up separately, as to epidemiology and prophylaxis. No effort is spared to impress the student with the importance of preventive medicine.

2. Major John B. Hawley, C. E., will give a series of practical lectures on municipal water supply and sewerage disposal, including construction of dams, estimation of water supply, methods of purification of water, construction of municipal plants, etc., etc.

X-RAY DIAGNOSIS AND ELECTRO- THERAPEUTICS

Professor, Geo. D. Bond, M. D.

THIRD YEAR

1. *X-Ray and Electro-Therapeutics*.—Lectures, one hour per week for twelve weeks. Theory of X-Ray and Electricity as applied to diagnosis and treatment of disease.

FOURTH YEAR

1. *X-Ray and Electro-Therapeutics*.—Lectures and Demonstrations.—The use of X-Ray in diagnosis of fractures, dislocations, etc. The application of Electricity and X-Ray in treatment of diseases. One hour per week for twelve weeks.

MEDICAL ETHICS AND HISTORY OF MEDICINE

A special course of ten lectures on these subjects will be given by Dr. C. P. Brewer.

MATRICULANTS 1916-17

First Year (Six-Year Course)

Allison, Scudder	Morrison, Burk
Chambers, Floyd	Pickett, M. R.
Coke, Mortimer	Popnoe, C. W.
Durringer, Clyde	Winn, J. A.
Gafford, Thomas S.	

First Year (Medicine)

Agee, Dorothy N. (A. B.)	Powell, Homer
Brewster, Hugh	Smith, Ruby Jane (A. B.)
Jones, Mollie F.	Spencer, C. L.
Mann, R. E.	Stanfield, John A.
Needham, J. B.	Winford, T. E.
Owen, May (A. B.)	Zorns, W. S. (B. Lit.)

Second Year (Six-Year Course)

Hall, J. D.	Smith, R. C.
Haley, W. E.	Stallings, W. A.
Holcomb, Irl	Stallings, W. E.
Miller, O. H.	Woodward, M. L.

Second Year (Medicine)

Baker, G. R.	Lindley, Oda (A. B.)
Carr, Earl	McKee, Frank
Greines, Abe	Moore, J. M.
Haley, S. W.	Neuville, C. F.
Hart, F. B.	Romines, H.
Key, W. F.	Woodward, C. S.
Latson, H. H.	

Third Year (Medicine)

Clark, Gordon	Needham, R. H.
Eaton, C. E.	Rogers, W. H.
Huffman, A. M.	Smith, W. A.
Lattimore, John	Sullivan, C. F.
Maley, C. J.	Woodward, V. R.

MATRICULANTS—*Continued*

Fourth Year (Medicine)

Beck, R. L.	Margolin, Mrs. Bertha
Bond, Thomas B.	Phillips, W. G.
Conner, C. J.	Perry, M. O.
Ford, S. Lee	Robason, Paul D.
Forrester, R. E.	Taylor, O. R.
Hester, J. B.	Terry, H. H.
McKean, Jr., J. C.	Tyson, W. S.
McKean, R. W.	White, Ed
Murchison, S. J. R.	

Special Students

Gosdin, W. S.	Tillotson, C. H.
Lytal, S. W.	Yeary, J. W.