

Texas Christian University Bulletin

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Fort Worth School of Medicine



FORT WORTH, TEXAS

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ANNOUNCEMENTS

SESSION 1915-1916

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## CALENDAR

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### SESSION 1915-1916

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#### 1915

Summer School Main University Opens.....	June 14
First Trimester Opens.....	Monday, September 20
Delinquent Examinations Begin.....	Monday, October 11
Convocation Sermon .....	Sunday, September 19
President's Reception .....	Thursday, November 25
Thanksgiving Holiday .....	Thursday, November 25
First Trimester Ends.....	Thursday, December 23
Christmas Holidays Begin.....	Thursday noon, December 23

#### 1916

Second Trimester Opens.....	Monday, January 3
Second Trimester Ends.....	Saturday, March 25
Third Trimester Opens.....	Monday, March 27
Baccalaureate Sermon .....	Sunday, June 4
Fine Arts Recitals.....	Monday and Tuesday, June 5, 6
Class Day Exercises .....	Thursday, June 8
Alumni Banquet .....	Thursday Evening, June 8
Commencement Exercises .....	Friday, June 9
Summer School Opens .....	Monday, June 12

## FACULTY

---

FREDERICK D. KERSHNER, M. A., L. L. D.,  
*President of the University.*

### Emeritus Professors

AMOS C. WALKER, M. D., Fort Worth, Texas,  
*Professor Clinical Surgery.*

JULIAN T. FIELDS, M. D., Fort Worth, Texas,  
*Professor of Obstetrics.*

FRANK D. THOMPSON, M. D., Portland, Oregon,  
*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., L. L. D., F. A. C. S., 404 Commerce  
wealth Bldg.,  
*Professor of Surgery.*

WILLIAM A. DURINGER, M. D., Knights of Pythias Temple  
*Professor of Clinical Surgery.*

WILLIAM R. THOMPSON, M. D., 714 Ft. W. Natl. Bk. Bldg.  
*Professor of Ophthalmology.*

GOODRIDGE V. MORTON, A. B., M. D., K. of P. Temple  
*Professor of Obstetrics.*



- MARQUIS E. GILMORE, Ph. C., M. D., 317 Western National  
Bank Bldg.,  
*Professor of Obstetrics.*
- WILLIS G. COOK, B. S., M. D., 209 F. & M. Natl. Bk. Bldg.,  
*Professor of Principles and Practice of Medicine.*
- KENT V. KIBBIE, B. S., M. D., 112½ West Ninth Street,  
*Professor of Genito-Urinary and Rectal Diseases.*
- W. ERNEST CHILTON, M. D., 112½ West Ninth Street,  
*Professor of Gynecology.*
- JOHN D. COVERT, M. D., 209 F. & M. Natl. Bk. Bldg.,  
*Professor of Clinical Medicine.*
- CHARLES H. HARRIS, M. D., F. A. C. S., 1028 Fifth Ave.,  
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- FRANK D. BOYD, M. D., F. A. C. S., 303 F. & M. Bk. Bldg.,  
*Professor of Laryngology.*
- MARTIN V. CREAGAN, Ph. G., M. D., K. of P. Temple,  
*Professor of Genito-Urinary and Rectal Diseases.*
- WILMER L. ALLISON, M. D., Arlington Heights,  
*Professor of Neurology and Mental Diseases.*
- SIDNEY J. WILSON, 303 First National Bank Bldg.,  
*Professor of Dermatology and Syphilology.*
- HOLMAN TAYLOR, B. S., M. D., 207 Western Natl. Bk. Bldg.  
*Professor of Hygiene and State Medicine and Assistant in  
Medicine.*
- S. A. WOODWARD, M. D., 204 Western Natl. Bank Bldg.  
*Dean and Professor of Clinical Gynecology.*

EWING P. HALL, M. D., 204 Western National Bank Bldg.  
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LEONIDAS A. SUGGS, M. D., 301 Commonwealth Bldg.,  
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JESSE S. BARDIN, M. D., 100½ Main Street,  
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FRANK G. SANDERS, Ph. G., M. D., Byers Opera House Bldg.,  
*Professor of Anatomy.*

TRUMAN C. TERRELL, M. D., 1214 Fifth Avenue,  
*Professor of Bacteriology and Clinical Diagnosis.*

J. G. WEBB, A. B., M. D., Medical College,  
*Professor of Physiology and Associate in Pharmacology.*

R. H. GOUGH, A. B., M. D., 508 Ft. Worth Natl. Bank Bldg.,  
*Professor of Otology.*

GEORGE D. BOND, M. D., 309 Commonwealth Bldg.,  
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THOMAS L. GOODMAN, M. D., 206 Western Natl. Bk. Bldg.,  
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C. H. McCOLLUM, M. D., 410 Ft. Worth Natl. Bank Bldg.,  
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CHARLES F. CARTER, A. B., M. D., Medical College,  
*Professor of Chemistry.*

#### Associate Professors

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ARTHUR B. BROWN, M. D., 912½ Main Street,  
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*Associate Professor of Histology and Embryology.*

### Assistants

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*Assistant in Clinical Neurology.*

**Lecturers**

ROBERT B. SELLERS, M. D., 605 Ft. Worth Natl. Bk. Bldg.  
*Lecturer Anatomy of the Special Senses.*

CHARLES P. BREWER, M. D., 509½ Main Street,  
*Lecturer on the Ethics and History of Medicine.*

SIDNEY L. SAMUELS, A. B., L. L. D.,  
*Lecturer Medical Jurisprudence.*

**Demonstrators**

OSCAR R. GROGAN, M. D., 112½ West Ninth Street,  
*Demonstrator of Anatomy.*

WEBB WALKER, M. D., 304 American National Bank Bldg.  
*Demonstrator of Anatomy.*

HOUSTON TERRY, Medical College,  
*Technician in Pathology.*

MISS KATHERINE COUGHLIN, Medical College,  
*Librarian.*

.....  
*Registrar.*

MRS. ADA ROWE, Medical College Dispensary.  
*Matron of Dispensary.*

## OFFICERS OF FACULTY

---

BACON SAUNDERS, M. D., L. L. D., F. A. C. S. . . . . President  
 WILLIS G. COOK, B. S., M. D. . . . . Vice-President  
 FRANK G. SAUNDERS, Ph. G., M. D. . . . . Secretary  
 SAMUEL A. WOODWARD, M. D. . . . . Dean

---

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*J. D. Covert, M. D. W. L. Allison, M. D.*  
*S. A. Woodward, M. D., Dean*

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*Roy F. Saunders, M. D.*

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*John D. Covert, M. D. Frank G. Sanders, M. D.*

### LIBRARY COMMITTEE

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*Robert B Sellers, M. D.*

## HISTORICAL REVIEW

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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.

At that time there were no medical schools within a radius of 350 miles, a territory of 380,000 square miles, containing over four million people. Many of the nearest schools were poorly equipped, gave two year courses of instruction, furnished inefficient laboratory training and no bedside teaching. The right to practice medicine in Texas at that time rested on certificates from District Examining Boards, to obtain which practically no medical knowledge was necessary. The country was rapidly filling up with physicians who had poor, or almost no Medical College training, and in addition there were no accessible anatomical, surgical, bacteriological or pathological laboratories, which the medical profession in this vast territory could consult.

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.

The year 1913-14 was one of great progress. Large sums were spent on the library, laboratories, apparatus, dispensary, University Hospital, X-ray equipment, museums, record systems, increased number of paid instructors, etc. The Texas State Board of Medical Examiners has now raised the school to Grade A.

The year 1914-1915 was the best year the school has seen. A liberal appropriation was made by the University to provide a large increase in equipment and paid faculty. A better grade of students was admitted, as a high school course plus a year of college work was required for matriculation. The out-door clinic was rapidly increased, and the opening of the City and County Hospital in the same block added accessible hospital material.

### 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 Epi-diascope; 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, the clinical laboratory and store room and the X-ray room.

The Calhoun Street entrance admits to the Dispensary waiting room, Dispensary office, drug store, operating room, three Dispensary offices, 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.

### CLINICAL RESOURCES

Fort Worth has an enormous tributary territory from which clinical material is drawn. It is a rapidly growing city of about 100,000. 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.

The City and County Hospital and St. Joseph's Infirmary supply the Medical School with over 150 beds for clinical teaching. Besides these, use is made of the Arlington Heights Sanitarium for Nervous Diseases, All Saints' Hospital, Harris' Sanitarium, the County Benevolent Home, the Tarrant County Orphanage and several maternity homes for out-clinic obstetric work.

## CITY AND COUNTY HOSPITAL

The City and County completed in 1914 a charity hospital in the same block with the Medical College. It is a very comfortable and substantial fire-proof structure, accommodating 60 patients, and includes a children's and obstetrical ward. The clinical teachers are on the hospital staff and the material in a large measure is available for teaching purposes.

## 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.

## 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.

## 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. Suitable cases are assigned to students by the professor in charge.



## DISPENSARY

	Mon.	Tues.	Wed.	Thur.	Fri.	Sat.
Medicine	11-12	11-12	11-12	11-12	11-12	11-12
Surgery	11-12	11-12	11-12	11-12	11-12	11-12
Pediatrics	11-12	11-12	11-12	11-12	11-12	11-12
Gynecology	1-2	*	1-2	*	1-2	*
Obstetrics	*	1-2	*	1-2	*	1-2
Genitor-Urinary and Rectal Diseases	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

The College dispensary is conducted on the second floor of the College building in the heart of the city. It is ideally equipped for this work. It possesses a large waiting room, an office for enrolling patients with a complete set of records, an operating room, a six bed emergency hospital, three 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 two upper classes. The sections 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 1914-15 there were treated in this out-door dispensary service over 4000 patients.

## 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. Here anatomic demonstrations on the cadaver are given. 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 for \$3.00, 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 mache and plaster, besides a large collection of charts, stereoptic sets, atlases and text books of anatomy.

### THE CHEMIC LABORATORY

The chemic 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 in American and German markets.

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 stores material for 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.

### 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 Episcopo, manufactured by Dr. Carl Zeiss, Jena, and imported at a large expense especially for this school. 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.

### 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 general oversight 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 postmortems. A series of micro-photographs is being prepared of cross sections of the various tumor specimens.

## TIME ALLOTTED TO SUBJECTS

### FIRST YEAR

Didactic. Laboratory. Total

#### Anatomy:

Osteology and Arthrology .....	..	90 hours
Dissection .....	..	504
Histology .....	70	108
Embryology .....	30	50
Nervous System and Special Senses ..	..	36
Applied Anatomy .....	..	72

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960

#### Chemistry:

General Chemistry .....	..	50
Organic Chemistry .....	60	40
Toxicology .....	24	15

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189

Biology .....	60	...	60
Bacteriology .....	105	...	105
Total .....			1314

## SECOND YEAR

	Didactic.	Laboratory.	Total
<i>Physiology</i> . . . . .	120	180	300
<i>Physiologic Chemistry</i> . . . . .	...	180	180
<i>Bacteriology</i> . . . . .	...	180	180
<i>Pharmacology</i> . . . . .	54	120	174
<i>Pathology</i> . . . . .	124	204	328
<i>Physical Diagnosis</i> . . . . .	100	...	100
<b>Total</b> . . . . .			1262

## THIRD YEAR

	Didactic.	Laboratory.	Total
<i>General Medicine</i> . . . . .	180	...	180
<i>Clinical Laboratory</i> . . . . .	..	120	120
<i>Surgery</i> . . . . .	105	100	205
<i>Obstetrics</i> . . . . .	105	75	180
<i>Gynecology</i> . . . . .	35	36	71
<i>Neurology (Neural Pathology)</i> . . . . .	35	100	135
<i>Pharmacology</i> . . . . .	90	...	90
<i>Pathology:</i>			
<i>Post-Mortem Operative Technic</i> ... ..	...	35	35
<i>Hygiene and State Medicine and Climat- ology</i> . . . . .	100	...	100
<i>Ophthalmology</i> . . . . .	...	50	50
<i>Otology</i> . . . . .	...	25	25
<i>Laryngology</i> . . . . .	...	25	25
<i>Electro-Therapeutics</i> . . . . .	10	...	10
<i>Dispensary</i> . . . . .	...	...	...
<b>Total</b> . . . . .			1576

## FOURTH YEAR

	Didactic.	Laboratory.	Total
<i>Surgery</i> . . . . .	70	...	70
<i>Gynecology</i> . . . . .	70	...	70
<i>Neurology</i> . . . . .	35	...	35
<i>Therapeutics</i> . . . . .	18	...	18

## SCHOOL OF MEDICINE

23

	Didactic.	Laboratory.	Total
<i>Otology</i> .....	18	...	18
<i>Laryngology</i> .....	18	...	18
<i>Pediatrics</i> .....	54	...	54
<i>Ophthalmology</i> .....	54	...	54
<i>X-Ray Diagnosis</i> .....	10	...	10
<i>Medical Jurisprudence</i> .....	58	...	58
			<hr/> 405

## CLINICS

Ward Clinics—Visitations .....	180
Genito-Urinary . . . . .	72
Dermatology . . . . .	70
Neurology and Psychiatry.....	36
General Medicine .....	180
Surgery . . . . .	180
Therapeutics . . . . .	18
Gynecology . . . . .	36
Eye, Ear, Nose and Throat.....	72
Orthopedics . . . . .	36
Pediatrics . . . . .	46
	<hr/>
Total . . . . .	1331

## RECAPITULATION

Total number of hours: First year, 1314; second year, 1262; third year, 1576; fourth year, 1331; making a grand total of 5483 hours, an average of over 1370 hours per year. In addition, 360 hours are available for case histories, clinical laboratory work, and outdoor clinics and dispensary work.

# FRESHMAN YEAR

FIRST TRIMESTER: September 20 to December 23, 1915

Hrs.	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8-9	Chemistry Lab.	Biology Lab.		Biology Lab. to Jan. 18		
9-10				Chemistry	Embryology after	Chemistry
10-11		Histology	Histology Lab.	Histology	Histology Lab.	Chemistry
11-12		Bacteriology				
1-2	Osteology, Arthrology, Dissection, Anatomy, Nervous System and Special Senses, Applied Anatomy					
2-3						
3-4						
4-5						

SECOND TRIMESTER: January 3 to March 25, 1916

Hrs.	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8-9	Chemistry Lab.	Biology Lab. to Jan. 18		Biology Lab.		
9-10		Biology lab to Jan 18 Embryology after	Chemistry		Chemistry to Jan. 14	
10-11		Histology	Histology Lab.	Histology	Histology Lab.	Chemistry
11-12		Bacteriology				
1-2	Osteology, Arthrology, Dissection, Anatomy, Nervous System and Special Senses. Applied Anatomy					
2-3						
3-4						
4-5						

THIRD TRIMESTER: March 27 to June 3, 1916

Hrs.	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	
8-9	Chemistry Lab.					Embryology Lab. after Apr. 1	
9-10		Embryology to April 27	Chemistry	Embryology to Apr. 27			
10-11		Histology	Histology Lab. to April 11 Embryology Lab. after Apr. 11	Histology	Bacteriology	Histology Lab. to Apr. 11 Embryology after Apr. 11	Chemistry
11-12		Bacteriology					
1-2	Osteology, Arthrology, Dissection, Anatomy, Nervous System and Special Senses, Applied Anatomy						
2-3							
3-4							
4-5							



## SOPHOMORE YEAR

FIRST TRIMESTER: September 20 to December 23, 1915

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

SECOND TRIMESTER: January 3 to March 25, 1916

Hrs.	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8-9	Bacteriologic Lab. to January 15th Physiology Lab. after January 15th					
9-10						
10-11	Physiological Chemistry Lab. to January 15th Pathology Lab. after January 15th					
11-12						
1-2	Pathology Lectures to January 31st, Special Senses and Nervous System after January 31st					
2-3	Physical Diagnosis to Jan. 22nd, Pathology Lectures from Jan. 31st to Feb. 27th					
3-4	Physiology to Feb. 26	Physiology to Feb. 26	Physiology to Feb. 26	Physiology to Feb. 26	Physiology to Feb. 26	Physiology to Feb. 26
4-5	Pharmacology	Pharmacology		Pharmacology		Pharmacology

THIRD TRIMESTER: March 27 to June 3, 1916

Hrs.	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8-9	Physiology Lab. to May 1st					
9-10						
10-11	Pathology Lab. to May 20th					
11-12						
1-2	Anatomy, Special Senses, Nervous System					
2-3	Pharmacology Lab.					
3-4						

## JUNIOR YEAR

FIRST TRIMESTER: September 20th to December 23rd, 1915

Hrs.	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8-9	Post Mortem	Hygiene	Obstetrics	Obstetrics	Obstetrics	Hygiene
9-10	Surgery	Medicine	Medicine	Medicine	Medicine	Medicine
10-11	Gynecology	Neurology	Surgery	Pharmacology	Surgery	Pharmacology
11-12	Pharmacology	Dispensary				
1-2	X-Ray	Dispensary				
2-3	Physical Diagnosis	Physical Diagnosis	Physical Diagnosis	Physical Diagnosis	Physical Diagnosis	Physical Diagnosis
3-4	Clinical Diagnosis Lab.					
4-5	Clinical Diagnosis Lab. after November 27					
5-6	Otolaryngology Lab. after November 27					

SECOND TRIMESTER: January 3rd to March 25th, 1916

Hrs.	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8-9	Post Mortem	Hygiene	Obstetrics	Obstetrics	Obstetrics	Hygiene
9-10	Surgery	Medicine	Medicine	Medicine	Medicine	Medicine
10-11	Gynecology	Neurology	Surgery	Pharmacology	Surgery	Pharmacology
11-12	Pharmacology to Feb 19	Dispensary				
1-2	Hygiene	Dispensary				
2-3	Physical Diagnosis to January 22 Obstetric Lab. January 22 to March 7. Gynecology Lab. from March 7					
3-4	Clinical Diagnosis Lab. to January 22. Obstetrics Lab. January 22 to March 7. Gynecology Lab. after March 7					
4-5	Otolaryngology to Jan. 15. Otolaryngology Jan. 15 to Feb. 12—Lab. Neurology Lab. after Feb. 12					
5-6	Lab. Ophthalmology Jan. 3 to Feb. 26. Neurology after Feb. 26					

THIRD TRIMESTER: March 27th to June 3rd, 1916

Hrs.	Monday	*Tuesday	Wednesday	Thursday	Friday	Saturday
8-9	Post Mortem	Hygiene	Obstetrics	Obstetrics	Obstetrics	Hygiene
9-10	Surgery	Medicine	Medicine	Medicine	Medicine	Medicine
10-11	Gynecology	Neurology	Surgery	Pharmacology	Surgery	Pharmacology
11-12	Dispensary					
1-2	Dispensary					
2-3	Surgical Laboratory					
3-4	Surgical Laboratory					
4-5	Hygiene to Apr 22 Neurology after	Neurology Lab to April 22	Neurology Lab to Apr 22 Hygiene after 22	Neurology Lab to Apr 22 Hygiene after 22	Neurology Lab. to Apr 22	Neurology Lab. to Apr 22
5-6	Neurology Lab. to Apr. 22					

**Senior Year Schedule for Session 1915-1916**  
**FIRST TRIMESTER: September 20 to December 23, 1915**

Hrs.	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8-9	Ward Clinic and Visitations					Gen. Med. Clinic St. Joseph's
9-10	Orthopedic Clinic	Gynecology	5	Surg. 3	Neurology 5	
10-11	Ophthal 6	Pediatrics 3	Otolaryngology 6	Pediatrics 3	Ophthalmology 6	Surgery St. Joseph's
11-12	Dispensary Clinics					Surgery Clinic St. Joseph's
1-2	Dispensary Clinics					
2-3	Therapeutics 5	Medical Clinic	E. E. N. & T. Clinic	Medical Clinic	E. E. N. & T. Clinic	Gynecology Clinic
3-4	Pediatric Clinic		G. U. & Rect. Clinic		G. U. & Rect. Clinic	
4-5	Derm. Clinic	Surg. Clinic	Derm. Clinic	Surg. Clinic	Neurology Clinic	Med. Juris.

**SECOND TRIMESTER: January 3 to March 25, 1916**

Hrs.	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8-9	Ward Clinic and Visitations					Gen. Med. Clinic St. Joseph's
9-10	Med. Juris	Gynecology	5	Surg. 3	Neurology 5	
10-11	Orthopedic Clinic	Pediatrics 3	Otolaryngology 6	Pediatrics 3 to Jan. 26	Ophthalmology 6	Surgery St. Joseph's
11-12	Dispensary Clinics					Surgery Clinic St. Joseph's
1-2	Dispensary Clinics					
2-3	Ther. to Jan. 26, Cl after 5	Medical Clinic	E. E. N. & T. Clinic	Medical Clinic	E. E. N. & T. Clinic	Gynecology Clinic
3-4	Pediatric Clinic		G. U. & Rect. Clinic		G. U. & Rect. Clinic	
4-5	Derm. Clinic	Surg. Clinic	Derm. Clinic	Surg. Clinic	Neurology Clinic	Med. Juris

**THIRD TRIMESTER: March 25 to June 3, 1916**

Hrs.	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8-9	Ward Clinic and Visitations					Gen. Med. Clinic St. Joseph's
9-10	Med. Juris	Gynecology	5	Surg. 3	Neurology 5	
10-11	Orthopedic Clinic	Pediatrics 3	Otolaryngology 6	Med. Juris	Ophthalmology 6	Surgery St. Joseph's
11-12	Dispensary Clinics					Surgery Clinic St. Joseph's
1-2	Dispensary Clinics					
2-3	Ther. Clinic	Medical Clinic	E. E. N. & T. Clinic	Medical Clinic	E. E. N. & T. Clinic	Gynecology Clinic
3-4	Ped. Clinic		G. U. & Rect. Clinic		G. U. & Rect. Clinic	
4-5	Derm. Clinic	Surg. Clinic	Derm. Clinic	Surg. Clinic	Neurology Clinic	

## CURRICULUM BY SUBJECTS

## ANATOMY

Professor, Frank G. Sanders, Ph. G., M. D.

## Associate Professors:

Lyman A. Barber, M. D.                      Giles W. Day, M. D.  
 Assistant, Pierre F. Higgins, M. D.  
 Lecturer, Robert B. Sellers, M. D.

## Demonstrators:

Oscar R. Grogan, M. D.                      Webb Walker, M. D.

## GROSS HUMAN ANATOMY

General Anatomy covers two years' study, with a paid instructor in constant attendance, and falls under the following sections:

## FIRST YEAR

1. *Osteology and Arthrology*.—Students supplied with skeletons and bones. Clay modeling and accurate drawing of the typical bones will be required. Osteology of each part under dissection is also a requisite. Three hours a week for thirty weeks. Dr. Pierre Higgins.
2. *Systematic Course in the Anatomy of the Extremities*.—168 hours dissection, quizzes and demonstrations.
3. *Systematic Course in the Anatomy of the Abdomen and Pelvis*.—168 hours dissection, quizzes and demonstrations.
4. *Systematic Course in the Anatomy of the Head, Neck and Thorax*.—168 hours dissection, Anatomy of Special Senses, quizzes and demonstrations, supported with lectures. Professor Sanders and assistants.
5. *Anatomy of the Nervous System and Applied Anatomy*.—Laboratory work on the dissection of the human brain and



cord, preceded by dissection of the sheep's brain, accompanied by lectures and quizzes over dissection. 108 hours. Prof. Sanders.

6. *Regional and Topographical Anatomy*.—This course is only open to those who have dissected the entire 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 the anatomical landmarks and surface topography with reference to the location and relation of the viscera, nerves, arteries and other clinically important parts and structures of the body and drawings of cross sections of the cadaver. This instruction consists of laboratory work, demonstrations, quizzes, etc. Material being obtainable from the Anatomical laboratory and museum as needed. Prof. Barber.
7. *Anatomy of the Eye, Ear and Bones of the Head*.—This course is given in connection with the dissection of the head and neck and will include illustrated lectures, using the epidiascope projection apparatus, papier mache enlarged models, charts and dissection of fresh ox eyes. Some stained with picrocarmine. Dr. Sellers.

## HISTOLOGY AND EMBRYOLOGY

### FIRST YEAR

1. *Histology*.—Lectures and recitations, two one-hour periods per week, 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.
2. *Histology Laboratory*.—This course will be given for 15 weeks, 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.

3. *Embryology*.—A course of twenty weeks, embracing two one-hour lectures per week. A study of individual cell division, and formation of germ layers of the embryo. Lecture work will be supplemented by drawings and lantern slides.
4. *Laboratory Work*.—A period of eight weeks will be given this portion of the work, covering two two-hour periods per week. 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.
5. \**Biology*.—A laboratory course covering 15 weeks of two two-hour periods per week. Types of living organisms, such as the amoeba and other protoza, will be studied microscopically. Then higher organisms, such as crawfish, starfish, etc., will be taken up and studied in detail. Associate Professor Day.

## CHEMISTRY

Professor, Charles F. Carter, A. B., M. D.

### FIRST YEAR

1. \**Qualitative Analysis*.—This course will continue eight weeks with three-hour periods per week. Herein the student reviews the tests and processes of separation of the different metals and acids.
2. *Quantitative Analysis*.—A brief course in volumetric analysis and quantitative estimations, with the object of teaching the student the value of this work in physiologic chemistry. Continues eight weeks, three hours per week, following qualitative analysis.
3. *Organic Chemistry*.—Lectures and recitations, three hours per week for sixty hours, will be devoted to this subject, in which the constitution, classification and derivation of organic compounds will be considered. Very special attention

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\*Premedic work.

will be given those compounds and derivatives which are of medic and pharmaceutic importance. Work supplemented by experiments and demonstrations. Prof. Carter.

6. *Laboratory Work*.—One regular laboratory period of three hours each week for forty hours, in which the student will manufacture such preparations as ether, chloroform, picric acid, acetanilid, etc. Prof. Carter.

## 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 per 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. The action of saliva and the chemical changes on foodstuffs, under the head of salivary digestion, will be carefully carried out. Proteins and gastric digestion, together with analyses 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, also formation and composition of gall stones, will be considered.

Some time is devoted to the study of putrefactive products and the tests for same. The composition of feces and accompanying waste products will also receive attention. 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 spectro-scope in identifying suspected blood.



The composition of milk is studied and the student instructed in detecting adulterants and preservatives. A complete analysis of at least two samples of milk will be required of each student, such analysis including the Babcock test for butter fat.

The isolation of glycogen, myosin, etc., from muscular tissue or liver will be done by the class in sections.

The study of normal urine will be next taken up and the various constituents isolated wherever possible. Urea will be isolated and also prepared synthetically by the student. The salts of urea and uric acid will be studied chemically and microscopically. Hippuric acid will be prepared from urine, and the aromatic and sulphur compounds and their relation to health and disease will be demonstrated. The student will be instructed as to the pathologic constituents, such as pigments, sugar, bile, blood, etc., for tests for these, and will be expected to analyze unknown samples of both pathological and normal urine. Careful drill is given in quantitative estimations, both gravimetric and volumetric. 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.

2. *Toxicology*.—A series of twenty-four 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 such poisons as mercury and arsenic will be made before the class, and fifteen hours' practical laboratory work will be given.

## PHYSIOLOGY

Professor, J. G. Webb, A. B., M. D.  
Assistant, John J. O'Reilly, 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 weeks.



hours per week. Laboratory and demonstration periods will embrace a period of fifteen weeks, two hours per day. Our laboratory equipment is quite complete and we will be enabled to assign the work to the students 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 vision and the physics of refraction will be given special attention.

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 student will study his own blood and that of others and master the technique of blood examination, familiarizing himself with the properties of normal human blood.

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. Under this head will be discussed the physiology of secretions and conditions which modify glandular activity.

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

The physiology of reproduction will be briefly considered as to functions of the reproductive organs, heredity, growth and senescence.

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, such as pulse tracings, action of cardiograph, sphygmomanometer, blood count, etc., each student will be expected to perform and to write up complete data as to results. It is the ultimate aim to demonstrate in the laboratory those phenomena, principally, which will benefit the student in the pursuance of his medical course.

## PHARMACOLOGY

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

Associate Professor, J. G. Webb, A. B., M. D.

Assistants:

Cassius C. Martin, Ph. G.      James G. Richardson, M. D.

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. Ten hours will be devoted to a study of their names, origin, history, physical appearance and composition, etc. Mr. Martin.
2. *Pharmacy*.—Twelve hours will be devoted to pharmacy. This is a laboratory course, wherein the student will be instructed in the rudiments of pharmacy and pharmaceuti-

icals. He will manufacture U. S. P. and N. F. preparations, some of which will be used for experimental work in the laboratory. Mr. Martin.

3. *Lectures and Recitations.*—Fifty-four lectures are devoted mainly to the physiologic action of drugs on the lower animals and man, and are preliminary to the laboratory course.
4. *Laboratory.*—Two hours per day for ten weeks. Devoted to animal experiments. The students will be divided into groups as occasion demands and each group will perform experiments designed to demonstrate the action of various drugs and preparations upon the physiological systems of the body. Experiments too difficult for the students to perform will be demonstrated by the instructor in charge.

#### THIRD YEAR

1. *Lectures.*—Ninety hours will be devoted to a consideration of the relation between drug action and the disturbed physiology of disease; and to the therapeutic application of medicinal and other remedial agents in the treatment of disease.

#### FOURTH YEAR

1. *Clinical Therapeutics.*—One hour a week for eighteen weeks will be given to applied Therapeutics, demonstrating the mode of administration and application of remedial agents. Remedial agents other than drugs will be demonstrated, namely: Hypodermoclysis, Infusion, Enteroclysis, Lavage, Bloodletting, Massage, Hyperemic and Movement Therapy, and the uses of heat and cold.

Students are expected to prescribe for all patients brought before the class; these prescriptions, with the diagnosis, being subjects for general discussion.



## BACTERIOLOGY

Professor, Truman C. Terrell, M. D.

## FIRST YEAR

1. *Lectures and Quizzes.*—The definition, classification and morphology of bacteria; their role in nature; sterilization methods; chemistry and commercial bacteriology are studied. Especial attention is given the action and production of toxins, ptomains, the phenomena of immunity and infection. Each pathogenic organism is then discussed until the field of Bacteriology and Protozoology is covered. The bacteriology of milk and water is included. One hour a day three days a week for thirty-five weeks.

## SECOND YEAR

2. *Laboratory Work.*—This work will be pursued for twelve hours a week for fifteen weeks. This will be a practical course and examinations will be graded according to the work done, written examinations, and identifications of unknowns.

Beginning with the preparation of the various culture media, the student makes pure cultures of the various organisms and takes up staining technic. Part of the course will be taken up in culture and growth of the most important non-pathogenic germs. When the student has acquired sufficient care and skill in handling germs, some of the principal pathogenic organisms, such as Anthrax, Malignant Edema, Tetanus, Tuberculosis, Glanders, Diphtheria, Pneumococcus, Typhoid, Cholera, pus organisms, Meningitis and Gonorrhoea, will be studied in a similar manner. Special attention will be given to animal experiment, opsonic index determination, the making of blood cultures, water and milk analysis, the preparation of autogenous vaccines, microscopic examination of sputa, gonorrhoeal discharge, Widal agglutination and serum tests. Bacteriologic diagnosis will be made a careful study. This course will be of a practical nature and prepares the student for his work in the Clinical Laboratory.



## PATHOLOGY

Professor, Thomas L. Goodman, M. D.  
Technician, Houston Terry.

## SECOND YEAR

1. *Lectures and Quizzes.*—Six hours a week for twenty-one weeks will be devoted to lectures and quizzes on general pathology. The causes of disease, the various retrograde changes, infiltrations, degenerations, necroses, atrophy, hypertrophy, regenerations, inflammations, tumors, malformations, the granuloma and parasites will be thoroughly covered.
2. *Laboratory Work and Quizzes.*—This course does not contemplate the making of pathologists of every student, but giving the possibilities of the attainments of the laboratory and the acquaintance with the methods which enable them to understand and diagnose disease.

Twelve hours a week for seventeen weeks are devoted to this work, during which time each student is presented with over 175 specimens for examination and study. These specimens illustrate nearly all the pathologic changes in the body—the results of various 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 YEAR

3. *Special Pathology—Post-Mortem and Post-Mortem Technic.* Lectures on special pathology will be illustrated by fresh and museum specimens and microscopic preparations. Autopsy technic will be thoroughly demonstrated on the cadaver and by lectures and quizzes. Each student will be required to write protocols of every autopsy, which, with the demonstration of the microscopic findings, will give a

complete record of the year's work. One hour a week during the entire year.

NOTE.—Junior and Senior students are require to attend each autopsy and are excused from other work at this time.

## PRACTICE OF MEDICINE

### SECOND YEAR

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

#### Clinical Professors:

Ewing P. Hall, M. D.

John D. Covert, M. D.

#### Associate Professors:

J. A. Kelly, M. D.

Oscar E. Veatch, A. B., M. D.

F. E. Rushing, M. D.

#### Assistants:

Rufus B. West, M. D.

Edwin Davis, M. D.

Truman C. Terrell, M. D.

Victor E. Bonell, M. D.

W. M. Trimble, M. D.

1. *Physical Diagnosis*.—One hundred 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

2. *Clinical Diagnosis*.—One hundred and twenty 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.  
Dr. Terrell.

3. *General Medicine*.—Five 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.
4. *Stomach and Intestines*.—A special course on these subjects of one hour a week is given by Associate Professor Rushing.
5. *Dispensary*.—Twenty hours per week Dispensary work is required of third year students. Medical Staff.

## FOURTH YEAR

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. Forty hours. Dr. West and Sidney L. Samuels.
2. *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. These clinics will last one and one-half hours each. 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. Daily outdoor clinics will be held in the Dispensary. Prof. Cook and clinical staff.
3. *Ward Instruction*.—The class will be divided into sections and visits made with members of the Staff to the Hospital wards. Four hours a week.



## SURGERY

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

## Clinical Professors:

William A. Durringer, M. D. Chas. H. Harris, M. D., F. A. C. S.

## Associate Professors:

Roy F. Saunders, M. D., F. A. C. S. Claude O. Harper, M. D.  
Ira C. Chase, A. M., M. D., F. A. C. S. William C. Durringer, M. D.

## Assistants:

Harold V. Johnson, M. D. James M. Givens, M. D.

## THIRD YEAR

1. *Principles of Surgery and Surgical Pathology.*—The aim of this course will be to teach the student in a thorough manner the causes, symptoms, and course of surgical diseases. It will be covered by three lectures a week for eighteen weeks, supplemented by quizzes and demonstrations of clinical cases and pathological material. Prof. Harper.
2. *Fractures and Dislocations.*—Three hours each week will be devoted to this subject for eighteen weeks. The diagnosis and treatment of these important injuries will have a thorough and practical consideration. The selection of proper mechanical appliances will have careful consideration and practical demonstration, in which the individual student will be required to participate. This course will immediately follow that on Principles of Surgery. Prof. Chas. H. Harris.

## SURGICAL LABORATORY

3. *Minor Surgery and Bandaging.*—Three lecture periods each week, for eight weeks, will be devoted to thoroughly acquainting the student with the practical use of bandaging and the proper method of preparation and application of surgical dressings in minor injuries. In this course, each student will be required to apply dressings under the supervision of the instructor. Prof. W. C. Durringer.

4. *Surgical Anatomy*.—A review of topographical anatomy, with its relations to surgical anatomy and operative surgery. Amputations, ligations and operative technic will be taught the students by demonstration on the cadaver. Later the students will perform the work on the cadaver under the supervision of the instructor. Two periods of two hours each will be given this subject for eight weeks immediately following the course in Minor Surgery and Bandaging. Prof. Roy F. Saunders.
5. *Surgical Anatomy and Technic*.—A thorough course in surgical technique 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.

## FOURTH YEAR

1. *Practice of Surgery*.—Two hours per week throughout the year will be given this important branch. Comprehensive instruction will be given in the practice of surgery, covering diagnosis and treatment of surgical conditions and diseases. Profs. Bacon Saunders and R. F. Saunders.
2. *Clinics*.—Two clinics 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 will be presented; they will reach a diagnosis and outline a course of treatment subject to the criticism of the Professor of Surgery. All patients admitted to the Hospital will be utilized to the fullest extent. Prof. W. A. Duringer.
3. *Clinics (St. Joseph's Infirmary)*.—Every Saturday morning two or more hours will be devoted to operative work at the clinical amphitheater of the Infirmary, at which time the

Senior class will be given instruction in surgery and technic.  
 Profs. Saunders.

4. *Dispensary Clinics* are held daily at the College from 11 to 12. Prof. Saunders and Staff.

## ORTHOPEDIC SURGERY

Professor, Leonidas A. Suggs, M. D.

### FOURTH YEAR

1. *Lectures and Clinics*.—Eighteen lectures will be given during the latter part of the year, in which the science of surgery as applied to orthopedics will be fully reviewed. The application of plaster casts and rigging of jury masts will be explained and demonstrated. Clinics will be held during the entire year. These clinics will be held either at the College or at the City and County Hospital.

## GENITO-URINARY AND RECTAL DISEASES

Professors:

Kent V. Kibble, B. S., M. D.      Martin V. Creagan, Ph. G., M. D.  
 Associate Professor, Arthur B. Brown, M. D.

Assistants:

Morris B. Badt, M. D.      H. W. G. Shytles, M. D.

### FOURTH YEAR

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

2. *Dispensary Clinics* are held daily at the College from 1 to 2.  
Prof. Kibbie and Staff.

## OBSTETRICS

### Professors:

Goodridge V. Morton, A. B., M. D.    Marquis E. Gilmore, Ph. C., M. D.

### Associate Professors:

L. M. Whitsitt, Ph. G., M. D.    John B. Cummins, M. D.

### Assistants:

J. A. Gracey, M. D.    Henry B. Littlepage, Ph. G., M. D.  
James J. Richardson, M. D.

### THIRD YEAR

1. *Lectures and Quizzes*.—Three 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. Profs. Cummins and Whitsitt.
2. *Laboratory and Demonstration*.—This course consists of two hours a day for six weeks. The student is thoroughly drilled in manikin work and becomes proficient in diagnosis of presentations, positions and postures and in the application 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. Prof. Cummins.
3. *Clinics*.—Hospital clinics and an outdoor obstetrical service have been planned. 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. Profs. Gilmore, Morton and Obstetric staff.

## NEUROLOGY

Professor, Wilmer L. Allison, M. D.

Associate Professors:

James D. Bozeman, M. D.                      Henry B. Trigg, 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.*—Two hours each day for 100 hours will be devoted to demonstration and laboratory work. The anatomy and physiology of the nervous system is thoroughly reviewed. The pathology underlying each nervous symptom is studied by slides, charts and quizzes. 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 case histories and making a diagnosis in nervous and mental disorders are emphasized. Profs. Bozeman and Trigg.

## 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. Profs. Allison, Bozeman and Dr. Bruce Allison.

## GYNECOLOGY

Professor, W. Ernest Chilton, M. D.  
Clinical Professor, S. A. Woodward, M. D.

## Associate Professors:

H. B. Kingsbury, B. S., M. D.      Isaac A. Withers, 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. Prof. Kingsbury.
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. Two hours a day for three weeks. Prof. Kingsbury.

## 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. Woodward and Withers.
2. *Clinic.*—One clinic per week of two hours will be devoted to gynecology. In addition, ward clinics from 8 to 9 o'clock every morning will be held. The class is divided into sections so that the entire class during the year has a splendid opportunity to study gynecologic cases. The clinical laboratory enables the student to work up his cases to the best advantage. Profs. Chilton and Woodward.
3. *Clinics.*—One two-hour clinic per week will be held at St. Joseph's Infirmary. Profs. Chilton and Withers.



## OPHTHALMOLOGY

Professor, William R. Thompson, M. D.  
Associate Professor, Robert W. Moore, Ph. B., M. D.

## THIRD YEAR

1. Fifty 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.

## FOURTH YEAR

2. Fifty-four hours will be given to class work, consisting of conferences of clinic cases, with a careful study of the 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.
3. Thirty-six 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.

## LARYNGOLOGY

Professor, Frank D. Boyd, M. D., F. A. C. S.  
Associate Professor, J. Wesley Head, M. D.  
Assistant, Harold L. Warwick, M. D.

## THIRD YEAR

1. Twenty-five 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. Dr. Warwick.

## FOURTH YEAR

2. Eighteen 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.

3. Eighteen hours will be devoted to clinical instruction. During this time many interesting cases will be presented and operated. Profs. Boyd and Head and Dr. Warwick.

## OTOLOGY

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

Associate Professor, E. F. Gough, B. S., M. D.

### THIRD YEAR

1. Twenty-five 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. Associate Professor E. F. Gough.

### FOURTH YEAR

1. Eighteen 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. Professor R. H. Gough.
2. Eighteen hours will be devoted exclusively to clinical teaching. This will not include the three days a week given to the senior class in section in the outdoor dispensary work. During this clinical instruction the usual operations upon the ear will be demonstrated. Professors Gough.

## PEDIATRICS

Professor, Jesse S. Bardin, M. D.

Associate Professors:

William C. Lackey, M. D.

C. F. Hayes, M. D.

### FOURTH YEAR

1. *Lectures and Recitations.*—Fifty-four 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.*—Daily clinics will be held at the Dispensary and at County Orphans' Home. Prof. Bardin and staff.

## DERMATOLOGY AND SYPHILOLOGY

Professor, Sidney J. Wilson, M. D.

### 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, besides a daily outdoor clinic.

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, Holman Taylor, B. S., M. D.

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.

## X-RAY DIAGNOSIS AND ELECTROTHERAPEUTICS

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

### THIRD YEAR

1. *X-Ray and Electro-Therapeutics*.—Lectures, one hour per week for ten 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 treatment of diseases. One hour per week for ten weeks.

## MEDICAL ETHICS AND HISTORY OF MEDICINE

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

## MATRICULATION REQUIREMENTS

## FOR ADMISSION TO THE SCHOOL OF MEDICINE, MEDICAL DEPARTMENT, TEXAS CHRISTIAN UNIVERSITY

Applicants for matriculation in the Freshman class must comply with the three following requirements:

## I.

*The Presentation of Credits for 14 Units of High School Work*

Acceptable credentials are as follows:

- (a) A degree from a reputable college or university.
- (b) An entrance certificate to a reputable college or university.
- (c) A diploma from a high school of first grade. Graduates of second and third group schools are credited with subjects completed.
- (d) A diploma from a normal school, academy or seminary, when the work given is equivalent to that of a first grade high school.
- (e) First grade teacher's certificates are accepted at 8 units and permanent teacher's certificates at 11.
- (f) Students educated by private instructors, or in ungraded schools, or who do not possess credits for 14 full high school units, may secure necessary additional credits by examination (1) before a high school superintendent or (2) before entrance authorities of a reputable college or university.
- (g) Documentary evidence is required showing when and what school or schools preliminary education was obtained.
- (h) All required and elective units must be chosen from following schedule of studies:

## II.

*The Presentation of a Certificate from the State Board of Medical Examiners*

This certificate is issued by the Texas State Board of Medical Examiners to all who meet requirement I. Blank applications for this certificate may be obtained of the Dean. They must be filled out in triplicate, acknowledged before a Notary and returned with a fee of \$1.00, on receipt of which the Dean will forward the same to the Board with a request for a certificate. This certificate and fee are in compliance with the state law.

## III.

*The Presentation of Credits for One Year of College Work*

Beginning with the session of 1915-16, the college year's work must include Chemistry, Physics and Biology and a modern language, preferably German. When necessary conditions will be granted in accordance with the regulations of the State Board of Medical Examiners.

## 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- nominal Theorem and Progressions) .	½	..	½
Plane Geometry .....	1	1	..
Solid Geometry .....	½	..	½
Trigonometry .....	½	..	½



## 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
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## SCANDINAVIAN

Elementary . . . . .	2	..	2
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## 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

## SCIENCE\*\*

Botany and Zoology, each.....	1	..	1
or Biology . . . . .	1	..	1
Chemistry . . . . .	1	..	1
Physics . . . . .	1	..	1
Physiography . . . . .	$\frac{1}{2}$	..	$\frac{1}{2}$
Physiology . . . . .	$\frac{1}{2}$	..	$\frac{1}{2}$
Agriculture . . . . .	1	..	1
Drawing . . . . .	1	..	1
Manual Training . . . . .	1	..	1
Domestic Science . . . . .	1	..	1

## Music:

Appreciation or Harmony.....	1	..	1
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Total . . . . .	35 $\frac{1}{2}$	7	28 $\frac{1}{2}$
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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.

\*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.

### ADVANCED STANDING

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.
3. Presentation of a statement of honorable dismissal from the medical school previously attended.
4. Passing of a satisfactory examination (See Examinations and Promotions) on all subjects passed by the class to which admission is sought.

### COMBINED LITERARY AND MEDICAL COURSE LEADING TO THE DEGREES A. B. AND M. D.

By a carefully prepared combination of literary and medical studies, the student may secure both the degrees A. B. and M. D. in much shorter time than by taking the courses separately. The period required need not exceed seven years, and by many students may be reduced to six years. The course will include all the required branches in the College of Arts and the College of Medicine, with but a few literary electives. In this combination Chemistry will be considered the student's minor department and Biology his major department.

The required literary branches are: Mathematics 14 credits, English 15 credits, History 9 credits, Foreign Language 12 credits, Philosophy 12 credits, Bible History and Prophecy 17 credits.

Electives from any departments of the College of Arts for which the student is prepared to the amount of 21 credits, in addition to the regular full course in the Medical College, will entitle the candidate to both the degrees.

### 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. A tuition fee of \$50.00 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. Notify the Dean in writing by the 1st of April of the college year that he intends to take the final examinations.
4. 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 pre-

sented 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.

*The Degree Cum Laude.*—The degree of Doctor of Medicine, Cum Laude, is conferred upon student 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.

### 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 (2), Fort Worth, Texas.  
Harris Sanitarium, Interne, Fort Worth, Texas.  
St. Anthony's Sanitarium, Interne, Amarillo, Texas.  
City and County Hospital, Fort Worth, Texas.

### 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
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Total.....	\$350.00

No allowance is made in this 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.

## LABORATORY FEES

Students are required to deposit with the Registrar the following laboratory fees: Osteology, \$3.00; Chemistry, \$10.00; Pharmacy, \$5.00; Bacteriology, \$5.00; Histology, \$5.00; Physiology and Pharmacology, \$5.00; Neuro-Pathology, \$5.00; Pathology, \$5.00; Junior Clinic Laboratory, \$5.00; Senior Clinic Laboratory, \$5.00; Junior Surgical Laboratory, \$5.00.

## BOOKS

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



## 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 concerning 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.

## MATRICULANTS 1914-15

## FRESHMEN

Clark, Gordon C.  
Collier, Gates G.  
Hooper, J. C.  
Huffman, A. M.

Joseph, J. S.  
Lattimore, John L.  
Turner, Geo. T.

## SOPHOMORES

Allen, H. T.  
Beck, R. Leslie  
Bond, T. B.  
Connor, C. J.  
Ford, S. L.  
Forrester, R. E.  
Harned, P. R.  
Hart, F. B.  
Hester, J. B.  
McKean, J. C.

McKean, R. W.  
Murchison, S. R.  
Phillips, W. G.  
Robason, P. D.  
Robinson, J. C.  
Smith, W. A.  
Tyson, W. S.  
White, Edward  
Witte, Oliver B.  
Woodward, Valin R.

## JUNIORS

Acton, G. P.

Nies, W. B.  
Roberts, F. H.