VOL. IV. JUNE, 1915 No. 1

BULLETIN

of the

Medical Department *of the* University *of* Georgia

AUGUSTA, GEORGIA

CATALOGUE ANNOUNCEMENTS 1915-1916

PUBLISHED QUARTERLY *by the* UNIVERSITY

COLLEGE BUILDING.

Supplement to
the Bulletin of the Medical Department of the
University of Georgia, June, 1915.

ONE-YEAR PRE-MEDICAL COLLEGE COURSES

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Academy of Richmond County, Augusta, Ga.

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by the UNIVERSITY

Entered as Second Class Matter at the Postoffice at Augusta, Ga., under the Act of July 16, 1894.

CALENDAR

1915

September 13th and 14th, Monday and Tuesday.....
..... Entrance Examinations
September 15th, Wednesday ..... Registration
September 16th, Thursday ..... Instruction begins
November 25th, Thursday, Holiday..... Thanksgiving Day
December 23rd, Thursday..... Christmas Recess begins

1916

January 3rd, Monday..... Instruction resumed
January 19th, Wednesday, Holiday..... Lee's Birthday
February 22nd, Tuesday, Holiday..... Washington's Birthday
May 22 to 27th, inclusive..... Examination Week
May 28th, Sunday ..... Baccalaureate Sermon
May 31st, Wednesday ..... Commencement

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*Deceased.

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Leonard Building

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Assistant in Pediatrics — Medical College

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Assistant in Genito-Urinary Surgery
Thirteenth and Broad Streets

ANNOUNCEMENT FOR SESSION 1915-1916

The eighty-fourth annual session of the Medical Department of the University of Georgia will begin September 15, 1915, and end May 31, 1916.

The University of Georgia has grown in part by the creation anew of some of its departments, and also by the absorption of certain already existing institutions founded independently, such as, for instance, the Lumpkin Law School at Athens and the Medical College of Georgia at Augusta.

The absorption of the Medical College of Georgia, founded in 1828, began in 1873, when by mutual consent of the respective Boards of Trustees it became affiliated with the University as its Medical Department. This absorption was consummated in 1911, when by special enactment of the Legislature, the University took possession of the property and control of the management of its Medical Department, which has since operated, as do the other extra-mural departments, under the laws and regulations of the University.

Since 1898 the course of instruction in the Medical Department has been the usual graded one of four years' duration.

FACILITIES

BUILDING

The Medical Department occupies a four-story brick building surrounded by ample grounds, centrally located, and accessible by trolley from all parts of the city. The building contains about 25,000 square feet of floor space and is utilized as follows: The first floor is devoted to the out-patient department. It contains sixteen rooms for the examination and treatment of patients, besides waiting rooms, history rooms, the pharmacy, and a clinical laboratory.

On the next floor are the college offices, the library and reading room, students' locker room, lecture room, stock room, two private laboratories, a large assembly room, an amphitheatre, and the Department of Chemistry.

On the third floor the Department of Pathology has at its disposal two large class laboratories, a lecture room, a museum, two preparation rooms, and four other rooms for the teaching force. The Department of Anatomy is located on this floor. It comprises the main dissecting hall, two special dissecting rooms, the histological laboratory, a lecture room, preparation room, museum, and store room.

On the fourth floor the Department of Physiology and Pharmacology has a large class room and laboratory, a small laboratory for operative work, a work shop and a store room.

HOSPITAL

The City of Augusta has built upon the College grounds and in immediate proximity to the College building a new hospital plant known as the University Hospital and especially designed as a teaching hospital for the College. The plant combines in one establishment two hospitals: One, the Barrett wing, for whites; the other, the Lamar wing, for negroes, with a central Administration Building, and a service building for heating, lighting, laundry, and refrigerating machinery.

These buildings equipped have cost more than half a million dollars. They are of the most modern fireproof construction, and are furnished throughout with standard appliances of the best approved material and design. Of their total of 275 beds, 225 are available without restriction for teaching purposes.

The new University Hospital, maintained by the City, is under

the exclusive control of the Medical Department of the University, the vested rights in the new being identical with those formerly held in the old City and Lamar Hospitals. The visiting staff is entirely a part of the teaching force of the College appointed by the Board of Trustees. Thus possible difficulties and drawbacks to the best use of the clinical material for ideal teaching are avoided.

With the opening of the new hospital on the medical campus, equipped in approved fashion and controlled by the University, this College has a teaching plant of the very best type, affording facilities enjoyed by few schools for giving a satisfactory and well rounded training in medicine.

The Barrett and Lamar wings are alike in structure and apportionment of space for the care of the sick. The first floor contains the male medical and surgical wards with their contiguous sun parlors. On the second floor are the female wards like those for males on the first. The third floor is made up largely of private rooms. On the fourth floor is the maternity ward, delivery room, and infants' dressing room. There are also private rooms on this floor. Each floor has a clinical laboratory.

The administration building connects the two hospital units. In the basement are the hydro- and electro-therapy department and the detention ward.

On the first floor are the administration offices and those for the visiting and resident staffs, and the visitors' reception room. In the rear are the radiographic department, the receiving ward, two emergency operating rooms and an isolation room.

The second floor contains the hospital library, and the living quarters of the Superintendent of the Training School and Head Nurses, the dining room for the staff and that for the nurses. In the rear is the kitchen with its appurtenances.

The third floor is reserved for the nurses' sleeping quarters.

The fourth floor carries the surgical department. From front to rear are the eye, ear, nose and throat operating rooms, the cystoscopic room, three major operating rooms, sterilizing rooms, dressing rooms, a large operating amphitheatre, and a storage room.

In the rear of the Administration Building are the laundry, refrigerating, lighting, and power plants.

The contiguous new morgue contains specially designed working and storage rooms for the Departments of Pathology and Anatomy.

PHOTOGRAPHY

Many of the illustrative aids to teaching are prepared by a trained and salaried photographer. Charts and photographs of specimens, lantern slides and photomicrographs are made particularly for the Departments of Anatomy and Pathology. Also photographs of selected patients in the out-patient department and hospital are taken upon request of the attending staff. These form a part of the permanent records. There is a liberal supply of the best optical apparatus and photographic material.

DR. LOUIS W. FARGO.

THE LIBRARY

The library is situated on the first floor of the College building adjacent to the office, convenient to both students and faculty. It contains a reading room and a stack room for bound volumes.

There are some 5,000 volumes, including many modern reference books, the Index Catalogue of the Surgeon-General's Library and the Index Medicus, besides some works of rare historical interest. Sixty of the leading scientific journals in English, French and German are regularly received, as well as Government documents, such as the Bulletins of the Public Health Service, and the State Boards of Health. Complete files of many of the journals are available.

The maintenance of the library is met partly by appropriations from the College and partly by the income from a permanent fund of $25,000, given to the College by Dr. William J. Young, of Fairfax, S. C. The income of this fund is used exclusively for the purchase of books and periodicals. All books and journals in the library are catalogued and are available to students and faculty for reference. The library is in charge of a competent librarian who devotes her entire time to the work.

Librarian, MRS. BENTLEY.

CLINICAL OPPORTUNITIES

The University controls all the clinical material in the City of Augusta and Richmond County. As Augusta has a large factory and negro population the number of cases treated in the policlinic and hospitals is large and presents a great variety of diseased conditions.

The policlinic is well organized and systematically directed. It is located on the basement floor of the college building.

Careful records of all cases are kept, and all cases are available for teaching purposes. Experience has shown this latter provision to be advantageous from a humane as well as a teaching standpoint, since it assures more thorough examination of patients, more painstaking case histories, and greater attention to therapeutic indications and results. Clinics in all branches are held daily, and for the most part by men who devote to this work every afternoon throughout the year.

The attendance of patients at the clinic averages seventy-four a day. Of this number twenty are new patients, that is, patients who are not on the record as having applied for treatment before.

The following table shows the number of patients treated in the different departments during the past college year. The average attendance for the entire year is even larger, owing to the greater prevalence of disease during the summer months.

REPORT OF CLINIC, SEPTEMBER 15, 1914, TO MAY 13, 1915.

Dermatology	666
Eye, Ear, Nose and Throat	1,674
Medicine	4,803
Surgery	2,155
Gynecology	1,172
Genito-Urinary	2,754
Pediatrics	1,190
	15,419

OBSTETRIC CLINIC

The out-patient obstetrical clinic is under the direction of Associate Professor Traylor. The service is large enough to afford at least ten cases to each student.

AUTOPSIES

The source of material is three-fold: The hospital wards, the out-patient department, and the service of the coroner's physician. Autopsies are held upon a large proportion of patients dying in the wards of the hospital, and upon a fair proportion of those clinic patients who die. All autopsies for the coroner of the county are performed by the staff in Pathology. The work is done in the quarters of the Department of Pathology specially designed for it at the new morgue.

OUTDOOR SERVICE

Throughout the city the bed-sick poor in their homes are under the control of the University. The physicians who attend them are salaried teachers at the University, and are sent in response to calls received at the hospitals. By this arrangement all the clinical material in the city becomes available for teaching purposes, since the faculty is in touch with all the sick poor in the city and can bring into the hospital cases of special interest.

This arrangement also makes it possible for the faculty to offer, as they hope to do in the near future, a special fifth year of purely clinical instruction, in which a considerable part of the work may be done in the homes of the people. The preliminary steps leading to the establishment of this course are being taken with much forethought and care, and it is believed that it will present many and signal advantages over the simple hospital year towards which other medical schools are looking.

METHODS

The curriculum comprises four terms, each extending from the middle of September to about the first of June.

Throughout the first and second years the students' time is given to the fundamental branches, anatomy, physiology, pathology and chemistry, disposing of them by the end of the second year.

Instruction is by actual laboratory work under competent direction and supervision, supplemented by such lectures and conferences as are needed to give an insight into underlying general principles and a proper conception of the essential features of the subjects studied and their relation to each other and to the practice of medicine.

The curriculum is so arranged as to permit the student to concentrate his attention and efforts upon a few subjects at a time, and dispose of them finally before passing on to others. Greater interest is thereby aroused, study is facilitated and, it is believed, a higher grade of scholarship is reached by the average student.

In the fall term the first year men study embryology, histology, osteology, and introductory medical chemistry, completing all of these subjects. The second trimester is devoted to dissecting and to organic and physiological chemistry.

Bacteriology, neurology, and the remainder of the course in chemistry occupy the spring term.

First Year

	Didactic Hours.	Laboratory Hours.
Embryology	24	72
Histology	42	126
Neurology	33	77
Gross Anatomy	72	285
Bacteriology	24	141
Chemistry	153	306
	348	1007

In the second year the courses in Physiology and Pathology begin and extend through two terms. The course in gross anatomy is completed during the second term.

The spring term of the second year is devoted to pharmacology, pharmacy, and hygiene, as well as to short courses in diagnosis

and surgery, preparatory to the practical work in the medical and surgical clinics which begins with the third year. First and second year students attend no clinics.

SECOND YEAR

	Didactic Hours.	Laboratory Hours.
Anatomy	42	182
Bacteriology	24	
Pathology	100	275
Physiology	120	120
Pharmacology	78	90
Physical Diagnosis		108
Hygiene	30	
Minor Surgery	30	
	424	775

Throughout the third year the mornings are given, for the most part, to systematic didactic work, lectures, quizzes, and demonstrations. Except during the third trimester each junior student spends his afternoons in the out-patient clinics in general medicine and general surgery. The class is divided into sections so that both clinics may be utilized every afternoon. The work is strictly practical, students being required to prepare case histories, examine patients, make diagnoses, outline therapeutic indications, and keep records of results. All this is done under the personal supervision and direction of experienced teachers.

Early in the third year is the course in clinical laboratory work under the Department of Pathology. In this course the student is taught to make all those examinations of blood, urine, feces and sputum which are required in the investigation of clinical cases. In the third trimester a laboratory course in operative surgery is given, and also a course in work with the obstetrical manikins.

THIRD YEAR

Medicine—	Didactic Hours.	Clinical and Laboratory.
Recitations and Lectures	102	
Sections in Out-Patient Department		144
Clinical Laboratory Methods		144
Therapeutics	72	
Medical Jurisprudence	33	

Surgery—		
Recitations and Lectures	102	
Sections in Out-Patient Department		144
Surgical Pathology		40
Operative Surgery		40
Applied Anatomy		40
Anesthetics	10	
Obstetrics—		
Recitations and Lectures	58	
Demonstrations		10
Dermatology—		
Recitations	30	
Clinics, Out-Patient Department		40
Eye, Ear, Nose and Throat—		
Recitations and Lectures	68	
	472	602

In the fourth year teaching is chiefly clinical. The members of the class work in the wards of the hospital from 9 to 11 a. m. daily. The afternoons are devoted to work in the out-patient clinics.

FOURTH YEAR

	Didactic Hours.	Clinical Hours.
Medicine—		
Lectures	48	
Sections in Hospital		204
Sections in Out-Patient Department		82
Pediatrics—		
Case Teaching	34	
Lectures	34	
Sections in Out-Patient Department		82
Children's Hospital		68
Nervous and Mental—		
Lectures and Quizzes	34	
Clinical Demonstrations		34
Surgery, General—		
Lectures	68	
Sections in Hospital		170
Gynecology—		
Quiz Course	68	
Sections in Out-Patient Department		82
Operative Clinic, Hospital		17

Eye, Ear, Nose and Throat—		
Operative Clinic, Out-Patient Dept....		82
Genito-Urinary—		
Lectures	34	
Sections in Out-Patient Department...		82
Orthopedics—		
Lectures	36	
Operative Clinic, Hospital.....		17
	356	920

In the hospital each student is assigned certain patients. He takes the case histories, makes all physical and laboratory examinations, keeps a daily record of symptoms, and discusses with the instructor the indications for, and results of treatment. In sections the class makes rounds with the attending physicians and surgeons so that each student, besides critically studying his own cases, has the opportunity of observing the essential and interesting features of the cases of the other members of his section.

When surgical cases are operated upon the students to whom they have been assigned assist at the operation, take part in subsequent dressings, and keep records of post-operative progress.

Amphitheatre clinics in operative surgery are not regarded as of much value to the student, and are held only when obviously to the interest of the whole class.

Autopsies are held on about two-thirds of the patients that die in the free wards of the hospital. The students are required to attend. The record of the case is read and the clinical deductions are reviewed in the light of the post-mortem findings.

The remaining morning hours are given to systematic didactic courses in medicine, surgery, pediatrics, nervous and mental diseases, orthopedics, and genito-urinary diseases.

The seniors devote their afternoons to work in the out-patient clinics in gynecology, genito-urinary, eye, ear, nose and throat, pediatrics, and skin diseases. In each of these each student serves every afternoon for six weeks. The work is strictly practical, and the attainment of a satisfactory degree of proficiency is essential to graduation.

Attendance upon obstetrical patients in the hospitals and the out-patient service is by senior students. This work is regarded as of great value and importance, and special attention is given it. The students live in the hospital while on obstetric duty so as to be within reach at all times. They attend all cases under the im-

mediate supervision of an instructor and are required to make appropriate postpartum visits and to prepare careful records of their cases.

Each student is given practical instruction in the administration of anæsthetics in the surgical clinics of the hospitals. This consists in the induction of anæsthesia in a required number of cases under supervision of the instructor.

REQUIREMENTS FOR ADMISSION.

The Medical Department of the University of Georgia requires for admission one year of college work, including Physics, Chemistry, Biology and German or French. This one-year preparatory course is given by the University at Athens, and also by Mercer University at Macon. One year of college work at some other university will satisfy the requirements if such work is equivalent to that given at Athens, which is taken as a standard. This one-year preparatory course is outlined on page 28.

Now, in order to enter upon the pre-medical course one must possess high school qualifications of at least fourteen units. For the convenience of the applicant these high school qualifications, which will be required by the university at which he intends to take the one-year pre-medical course, are explained first:

HIGH SCHOOL REQUIREMENTS.

The requirements are stated in terms of units. A year's work upon one subject at the high school is taken as a basis in determining a unit. In order to count as a unit this work must fulfill the following minimum conditions: it should constitute approximately one-fourth of all the work done by the student in that year; it should continue during the whole year of approximately thirty-six weeks; should be engaged upon for forty-five minute periods four or five times a week, and should aggregate one hundred and twenty hours.

Work in most high schools has been so arranged that this unit value is readily determined. Work done in other schools organized on a different basis may be converted into terms of this unit. In making this conversion, or calculation, the length of the course is considered as well as the total number of hours. The course may have extended over more than one year. If the recitation period was less than forty minutes the value of the work is reduced. Four units a year is as much as the average student can acquire.

Each subject named below is valued at a specific number of units if the proper time has been devoted to its preparation, but its value cannot rise above that number of units although additional time may have been given to it. A total of fourteen units will be required for admission.

English	3		7½ Required
Algebra	1½		
Geometry	1		
Ancient History	1		
English History	1	2	
Ancient History and Civics	1		
Modern History	1	2	
Latin	3		6½ Optional
Greek	1		
French	2		
German	2		
Spanish	1		
Agriculture	1		
Physical Geography	1		
Drawing	1		
Physics	1		
Physiology	1½		
Botany	1		
Chemistry	1		
Zoology	1		
Additional History, Mathematics or Language	1		

The following description serves to indicate the amount of preparation expected for entrance to the literary department of the University in each of the subjects named above.

English

Grammar and Rhetoric, 1 unit.

Reading and Practice, English Classics and Composition, 1 unit.

History of the English Language and Literature (4th year) ½ unit.

Required Classics for 1915-16.—The selections of the National Committee on uniform English Classics are grouped below for the guidance of English teachers in Georgia schools according to years, so that there may be more uniformity in study. Groups I, II, III, IV, V, are for "Reading and Practice," and ten selections, two from each, or one from I and three from II, a total of ten, indicated by the letters (a) (b) (c), are the minimum requirements for one unit. The teacher will use more if possible. The four divisions in the fourth year are for "careful study," and constitute one unit.

First Year.

Group I. (Select one or two).

Homer, (a) Odyssey (selections from standard English translations); (b) Iliad (selections); Vergil, (c) Aeneid (selections); (d) Old Testament Narratives.

Group II. (Select one).

Shakespeare, (a) Midsummer Night's Dream; (b) As You Like It.

Group III. (Select one).

Scott, (a) Ivanhoe, or (b) Quentin Durward; Stevenson, (c) Treasure Island; De Foe, (d) Robinson Cruse. Part I.

Group IV. (Select one).

Arnold, Macaulay, (a) Sohrab and Rustum, and Lays of Ancient Rome; Poe, Longfellow, and Whittier, (b) The Raven, Courtship of Miles Standish, and Snowbound; Scott, Coleridge, and Lowell. of Miles Standish, and Snowbound; Scott, Coleridge, and Lowell, (d) Rhyme of the Ancient Mariner, and The Vision of Sir Launfal.

Suggestions for supplementary reading: Ballads, fables; Southern short stories selected from Page, Poe, Harris, Allen, and Goulding.

Second Year.

Note.—One unit as (a) should be studied from each of the four groups during the second year. More may be read.

Group II.

Shakespeare, (a) The Merchant of Venice; (b) Twelfth Night.

Group III.

Eliot, (a) Silas Marner; Goldsmith, (b) The Vicar of Wakefield; Gaskell, (c) Cranford.

Group IV.

Irving, (a) Sketch Book; Stevenson, (b) An Inland Voyage, Travels with a Donkey; Parkman, (c) Oregon Trail; Bunyan, (d) Pilgrim's Progress, Part I; Franklin, (e) Autobiography.

Group V.

Palgrave's (a) Golden Treasury (1st series), Books II and III, and special attention to Dryden, Collins, Gray, Cowper, and Burns; Goldsmith, (b) The Deserted Village; Gray, (c) The Elegy; Browning, (d) Cavalier Tunes, The Lost Leader, How They Brought the Good News from Ghent to Aix, Evelyn Hope, Home Thoughts from Abroad, Incident of the French Camp, The Boy and the Angel, One More Work, Herve Reil, Pheidippides.

Third Year.

One unit (a) should be studied from each group in a four year high school. A three year high school may take fourth year selections for careful study.

Group II.

Shakespeare, (a) Julius Cæsar; (b) Henry V.

Group III.

Dickens, (a) A Tale of Two Cities, or (b) David Copperfield; Hawthorne, (c) House of Seven Gables.

Group IV.

Lincoln, (a) Selections, including the two inaugurals, the speeches in Independence Hall and at Gettysburg, the Last Public Address, and the Letter of Horace Greely, along with a brief memoir or estimate; Thackeray, (b) English Humorists; Macaulay, (c) Lord Clive and Warren Hastings; Addison, (d) Sir Roger de Coverley Papers.

Group V.

Palgrave's (a) Golden Treasury (1st series), Book IV, with special attention to Wordsworth, Keats, and Shelly; Tennyson, (b) Gareth and Lynnette, Lancelot and Elaine, and the Passing of Arthur; Byron, (c) Childe Harold, canto IV, and The Prisoner of Chillon.

Fourth Year.

(Required for "Careful Study," one each from the four groups).

Study.—This part of the requirement is intended as a natural and logical continuation of the student's earlier reading, with greater stress laid upon form and style, the exact meaning of words and phrases, and the understanding of allusions. For this close reading are provided a play, a group of poems, an oration, and an essay, as follows:

I. Burke, (a) Speech on Conciliation, or Washington's Farewell Address, and (b) Webster's Bunker Hill Oration.

II. Milton, (a) Comus, L'Allegro, and Il Penseroso.

III. Macaulay, (a) Life of Johnson, or Carlyle, (b) Essay on Burns.

IV. Shakespeare, (a) Macbeth.

The teacher may give for additional reading either Thackeray, Henry Esmond, or Thoreau, Walden, or Huxley's Autobiography, and selections from lay sermons, including: Improving Natural Knowledge, A Liberal Education, and A Piece of Chalk, or any of the former groups not previously read.

MATHEMATICS

High School Algebra (1½ units).—Fundamental operations, factors, highest common divisors, least common multiples, fractions, negative quantities and the interpretation of negative results, simple equations in one or more unknowns, ratio and proportion, irrational numbers and radicals, theory of indices, quadratic equations with problems involving same, graphical representation, simultaneous quadratic equations, binominal theorem with positive integral exponents, arithmetical and geometrical progressions. The subjects are given in any standard high school Algebra. Arithmetic should be reviewed after the completion of the course in Algebra and should include the metric system.

Plane Geometry (1 unit).—Demonstrations, constructions and solutions of numerical problems, as given in any standard Plane Geometry.

Solid Geometry (½ unit).—A course in lines and planes in space, polyhedrons, cylinders, cones, and the spheres. The course must include the theorems and exercises given in the standard texts.

HISTORY

(a) Ancient History (1 unit).—Special attention to Greek and Roman history, but including also a short introductory study of the more ancient nations and the chief events of the early middle ages down to the death of Charles the Great (814 A.D.).

(b) European History from the death of Charles the Great to the present time (1 unit).

(c) English History (1 unit).

(d) American History and Civil Government (1 unit).—The study of a more recent High School text and not a Grammar School History.

All applicants should offer *(a)*.

LATIN

Elementary Latin Book (1 unit).—The student should acquire during this year a working vocabulary of several hundred words, a complete mastery of ordinary forms, the simpler principles of Latin syntax, and correct habits of translation and composition.

Caesar (1 unit).—Any four books of the Gallic War, with study of the grammar and prose composition based upon the text read. Equivalent reading in other standard authors allowed.

Cicero (1 unit).—Any six orations selected from the four against Catiline, for Archias, for the Manilian Law, for Marcellus. Prose composition based upon the text read, with the completion of Latin Grammar.

Vergil (1 unit).—Six books of Aeneid. These may be offered instead of the unit in Cicero, or the unit may be divided between the two authors.

GREEK

Greek (1¾ units).—1. Attic prose forms (including verbs), and elementary syntax, as treated in any good book for beginners, with the principal parts of about one hundred common irregular verbs. 2. Xenophon's Anabasis, I.-III.

Note: Ample provision is made at the University for students whose preparation in Greek is deficient. These classe must be taken by candidates for the degree of Bachelor of Arts who have had no instruction in Greek (unless German and French are to be substituted for Greek), and by students whose preparation has been lacking in thoroughness and accuracy, before proceeding to the regular requirements of the curriculum. Candidates for this degree are therefore urged to secure before entering college full preparation for the regular Freshman class in Greek (course 3). Summer school courses may also be taken to advantage.

GERMAN

Grammar and Pronunciation (1 unit).—The exercises in any standard grammar, as far as through the Adjectives, should be parsed, written, and corrected. The student should translate (preferably in writing) 100 pages of a very easy graduated prose. Correct pronunciation must be rigidly insisted upon at all times, and practice in speaking should form a part of each lesson.

Grammar and Translation (1 unit).—Thorough grammatical drill continued through the Passive Voice, reading of three elementary texts, averaging 35 pages each, and constant practice in speaking.

FRENCH

Grammar and Pronunciation (1 unit).—The course should include careful drill in pronunciation; constant drill in easy conversational French; systematic and practical, rather than theoretical study of the most elementary rules of grammar, with stress on the inflection of regular and irregular verbs, the forms, position, and

use of conjunctive and disjunctive personal pronouns; simple exercises of translation of English into French, with the rules of grammar and syntax explained in the class as a basis; the reading of from 100 to 175 duodecimo pages of graduated text; writing in French from dictation; frequent talks in French on easy and simple subjects, to accustom the ear of the student to the sound of the language.

Translation and Conversation (1 unit).—The second year's work should comprise a thorough and complete study of grammar and syntax, with stress on the use of tenses and especially of the Imperfect of the Indicative, the Narrative past, and the Subjunctive; constant exercises of translation from English into French; the writing in French of letters and easy narration, the latter based on texts read in the class; the reading of 400 pages of easy modern prose; and a continuation of conversational French and of talks in French.

SPANISH

Work similar in amount and character to that outlined above for French.

PHYSICAL GEOGRAPHY

(1 unit).—The equivalent of work as presented in recent texts, with about forty laboratory lessons.

PHYSICS

(1 unit).—Study of a recent standard text-book, with about forty experiments by the teacher and pupils, with laboratory manual. Emphasis should be laid on the quality and not the amount of laboratory work.

BOTANY

(1 unit).—The course should be based on one of the modern High School text-books. Special emphasis should be laid on the laboratory work, which should consist of work in both the structure and physiology of plants.

CHEMISTRY

(1 unit).—Study of a recent text-book, with laboratory manual. Laboratory work is an essential part of the admission requirement.

Agriculture

(1 unit).—The equivalent of the course in L. H. Bailey's "Principles of Agriculture," with suggested experiments.

Physiology

(½ unit).—Study of a recent standard text-book with some laboratory work.

Biology

(1 unit.)—A study of a recent text containing the essentials of Botany, Zoology, Human Physiology, or a half year's course in either Botany or Zoology, and a half year's course in Human Physiology.

Note.—Laboratory work is required for unit credit in any science.

There must be a certificate that these requirements have been fulfilled. The certificate must come from the principal or superintendent and not from the applicant, and indicate in each case what subjects have been studied, the time spent on each, the amount covered and the grade received. Forms for such certificates, prepared by the University, must be used, and are furnished the principals of all accredited high schools of this state, annually, or may be obtained by the applicant upon request. A diploma or note of commendation will not be accepted in lieu of the certificate.

Students whose certificates do not cover all the units necessary for admission, must supply the deficiency by written examinations. It is, therefore, necessary that the principal forward the certificate as soon as possible after receiving notice from the student that he intends to enter the Medical Department. The Department of Secondary Education will then note omission and notify the applicant what examinations will be required. Application should be made to the principal by the student as soon after graduation as possible, when access to the records is easily obtained. It is requested that all certificates be filed by the first of July or as early thereafter as possible. Certificates will not be accepted, which cover less than one year's attendance in the school issuing the certificate. Before certifying to the work done in the school, the principal should satisfy himself of the previous high school training of the pupil, if a part was done in another school. Subjects in which an examination has been passed for admission to the school, or for which regular certificates from recognized schools were received, may be included in

the certificate. Work done in the grammar grades, or high school reviews of such work, cannot count as units of high school training.

Prospective students deficient in not more than two units should communicate with the Chancellor at Athens, where facilities are offered in a special summer course for supplying these deficiencies.

For the successful pursuit of the study of medicine a solid educational foundation is necessary. In addition to English, History, Mathematics, Chemistry, Physics, Psychology and Biology, which are regarded as essential elements in this preliminary training, Latin, German, French, and Drawing are also of very great value, but lack of proficiency in these subjects should not disqualify the prospective student of medicine.

COLLEGE REQUIREMENTS.

While the broad training of a full academic course is of unquestioned value, there are many whose time or circumstances will not permit them to spend four years in preparation for the study of medicine. To such the University offers two preparatory courses; one, of two years, which together with the medical course leads to the degree of B.S., and the other a one-year course which satisfies the minimum requirements for admission to the Medical Department. These two courses are given in the College of Liberal Arts at Athens, and in the case of the six-year combined course the degree of Bachelor of Science in Medicine is awarded after the satisfactory completion of the first two years in medicine. The schedule is as follows:

TWO-YEAR COURSE

First Year

Mathematics	3	hours per week
Chemistry	4	" " "
Biology	4	" " "
German or French	3	" " "
Electives	4	" " "
	18	" " "

Second Year

Physics	4	hours per week
Chemistry	4	" " "
Biology	4	" " "
German or French	3	" " "
Psychology	3	" " "
	18	" " "

ONE-YEAR COURSE

Physics	4	hours per week
Chemistry	4	" " "
Biology	4	" " "
German or French	3	" " "
Psychology	3	" " "
	18	" " "

Applicants for admission to either of these courses should address the Dean of the University, Dr. C. M. Snelling, Athens, Georgia.

These two preparatory courses are offered also by Mercer University, of Macon, Ga. For information address The President, Mercer University, Macon, Ga.

INSTRUCTION TO APPLICANTS.

All credentials for admission to the Medical Department at Augusta are passed upon by the authorities at Athens. Each applicant for admission to the first year class must present a certificate from the Department of Secondary Education at Athens that his training has been at least equivalent to that of men who have successfully completed their freshman year at the University of Georgia, and has included the requisite amount of science.

Before matriculating at Augusta each applicant must file a certificate, signed by two physicians in good standing, and by the secretary of the college from which he comes, testifying to his good moral character. In addition, during the first month of each college year, the student must file a certificate as to his physical condition, signed by a member of the teaching staff.

The Medical Department reserves the right to require of all stu-

dents matriculating in the First and Second Classes an additional year as interne in the hospital before graduation.

Those who intend to enter the Medical Department should apply to Dr. W. C. Lyle, Augusta, for the necessary blank certificates covering the preliminary educational requirements. The certificates should be obtained as early as possible, be filled out and signed by the executive officer of the college last attended, and returned to Augusta promptly so that no time will be lost in beginning the medical course.

REQUIREMENTS FOR ADMISSION TO ADVANCED STANDING

(1) A student from another college rated "A" by the Council on Education of the American Medical Association may be admitted without examination provided that college had, at the time of his admission, entrance requirements equal to those of the University of Georgia. The student must present a certificate signed by the executive officer of the college showing in detail: First, that he possessed the required preliminary education; and, second, that he has successfully completed the work covered by the class he desires to enter.

(2) A student from another college rated "B" by the Council on Medical Education may be admitted at the discretion of the committee on examinations only on presentation of satisfactory evidence of preliminary education equal to the requirements of the Medical Department of the University of Georgia, and after passing examinations in all subjects which have been covered by the class he desires to enter.

EXAMINATIONS AND PROMOTIONS

Final examinations in the work of each year are held during the week preceding commencement, except that in courses which are finished before that time, examinations may be held on completion of the course.

In each course attendance upon at least 80% of the class exercises and a grade of 75% is necessary to pass.

If a student fails to pass in any subject, he may, at the discretion of the committee on examinations, be permitted to take a re-examination. Such re-examinations are held on Monday preceding the opening of the session.

No student may proceed with the work of an advanced class with any conditions in the work of the previous year.

REQUIREMENTS FOR GRADUATION

A candidate for the degree of Doctor of Medicine from the University of Georgia must be twenty-one years old, must be of good reputation, must have successfully completed four graded years of medical study, the last of which shall have been in this school, and must be free from any indebtedness to the University.

TUITION AND FEES

The fees for the ensuing year will be $150.00. This includes tuition, laboratory fees, matriculation fee, library fee and final examination fee.

In conformity with the regulations governing all other branches of the University of Georgia, the Medical Department *does not require tuition fee* of residents of the state. For such residents the *entire* expense of full attendance, including laboratory and other fees, will be as follows:

Matriculation fee, $5.00, paid at the time of first registration.

First year, $50.00; second year, $50.00; third year, $55.00; fourth year, $60.00.

Eligibility of adults to vote in state elections, or of parents or guardians in case of those under age, shall determine questions of residence.

Of all students a deposit of $10.00 is required to cover possible injury to the property of the University. The unused portion of this deposit is returned at the end of the college year.

All fees are payable at the time of registration.

CHARLES McDONALD BROWN SCHOLARSHIP FUND

This endowment was established at the University in 1881, by the late Hon. Joseph E. Brown, ex-Governor of Georgia. By the rules and regulations for the administration of this fund the Medical Department is made to participate in its benefits. Applications must be made to the Chancellor of the University at Athens, prior to the first of April each year.

EXTRACTS FROM MEDICAL PRACTICE LAW OF GEORGIA

Section 7. Be it further enacted, That said Board shall be empowered by this Act to pass upon the good standing and reputability of any medical college. Only such medical colleges will be considered in good standing as possess a full and complete faculty for the teaching of medicine, surgery and obstetrics in all their branches, afford their students adequate clinical and hospital facilities, require attendance upon at least 80 per cent of each course of instruction, the aggregate of which amounts to at least 120 weeks, exclusive of holidays, of at least forty hours each week; that require at least forty-two months to have elapsed between the beginning of the student's first course of medical lectures and the date of his graduation, each session composed of twenty-nine weeks of actual instruction, with at least forty per cent of laboratory instruction in the first and second years, and a minimum of thirty-five per cent of clinical work in the third and fourth years; that require an average grade in each course of instruction of at least seventy-five per cent in examination as a condition for graduation; that fulfill all their published promises, requirements and other claims respecting advantages to their students and the course of instruction; that enact a preliminary educational requirement equal to that specified by this Act; that require students to furnish testimonials of good moral standing; and that give advanced standing only on cards from accredited medical colleges. Students must have attended at least eighty per cent of the course in the last year of the college from which diploma is presented. In determining the reputability of the medical college, the right to investigate and make a personal inspection of the same is hereby authorized.

Section 8. Be it further enacted, That beginning with the session of 1913-14 each medical school or college in good standing with the Board shall have a *minimum* preliminary educational requirement of fourteen Carnegie units. Evidence of such preliminary education shall be a certificate furnished by the professor of secondary education in the State University on the basis of rating of the high schools in this state, or on the basis of an examination conducted by him or by some person designated by him. A fee of two dollars shall accompany each application for a certificate and a like amount shall be paid by the applicant for each separate subject upon which he may be required to be examined."

POST-GRADUATE WORK

Feeling that one of the functions of a state institution giving medical instruction is not only to provide for prospective physicians, but also to assist those who may have studied under less favorable conditions than exist at present, the Trustees have arranged to offer post-graduate work of four weeks' duration beginning July 5th. The course is free, and open to physicians practicing in Georgia and to alumni located elsewhere.

The Faculty does not believe that the wants of the physician would be well supplied by any formal course of didactic lectures illustrated with selected clinical material. On the contrary it believes the physician will derive most benefit by actually participating, under the direction of the teaching force, in the daily work of the hospital ward, clinic, and laboratory. It is intended, therefore, to set him to work with help rather than to lecture to him.

Since it is intended to extend freely all the facilities of the hospital and clinic, the applicant is urged to begin promptly and to devote himself seriously during the whole month to the work laid out for him. The Registrar should be notified in advance of intention to come.

The morning hours, beginning at 9 o'clock, are to be spent in the hospital. Work in medical diagnosis will be given by the attending physicians with their assistants. As far as possible a patient entering will be assigned to a member of the class to be worked up for diagnosis. Subsequently the patient will be seen in consultation by the attending physician, the points of interest gone over with the class, and the treatment discussed and outlined.

In surgery there will be opportunity to witness and sometimes to assist in operations done by members of the regular staff.

After rounds are finished those desiring may report to the laboratory to make, under direction of the staff, the examinations indicated in their separate cases and to assist in the routine examinations of the day.

At 12 o'clock the demonstrations in Surgical Pathology are made in the laboratory of Pathology at the College Building.

The afternoon hours are to be spent in the Out-Patient Department. Here practical work in diagnosis and treatment is taken up with the clinical staff. Patients will be assigned to members of the class for study and then be seen in consultation with the physician in charge.

Between 2 and 3 o'clock work in the diseases of the eye, ear, nose and throat will be given.

At 3 o'clock the clinics are open for cases in medicine, pediatrics, gynecology, genito-urinary and skin diseases, and work in the clinical laboratory begins. The class will be divided, sections rotating.

Applicants upon arriving in the city are requested to report to the office in the College building where they will be furnished with admission cards. A deposit of $10.00 will be required of those who may work in the laboratories to cover possible damage to apparatus. If there is no breakage the deposit will be returned in full.

Board can be had convenient to the College at prices varying from $4.00 to $6.00 per week.

DEPARTMENTS

CHEMISTRY

PROFESSOR CARLTON H. MARYOTT

The courses in Chemistry are arranged on the supposition that the student has prior to entering taken one year's work in Inorganic Chemistry. This makes it possible to complete the work in Chemistry by the end of the first year.

The courses are conducted by recitations and laboratory work, about twice as much time in general being devoted to laboratory work as to recitations. The laboratory is well equipped with apparatus. Each student does his work individually and keeps a careful record of it.

1. **Physical Chemistry.** The first part of this course is devoted to a brief review of the general principles of inorganic chemistry, and this is followed by a study of those portions of physical chemistry which have an important bearing on medicine and physiology. The course continues through the first eight weeks and consists of lectures, recitations, and demonstrations. Philipps Physical Chemistry is used as a basis for the work in this course.
PROF. MARYOTT.

2. **Analytical Chemistry.** This is a laboratory course covering the elemental work in both qualitative and quantitative analysis. In the qualitative work a systematic study is made of the methods of identification and separation of the commoner basic and acid radicals. Ample practice is provided by the determination by each student of the radicals present in a large number of mixtures of unknown composition.

In the quantitative work the most important methods of volumetric and gravimetric analysis are taken up, and each student performs a sufficient number of determinations to acquire skill in manipulation, and familiarity with the principles involved in the calculations.

While this course consists primarily in laboratory work, a number of periods are, however, devoted to an explanation of the methods and a discussion of the results. The course continues throughout the first ten weeks. PROF. MARYOTT.

3. **Organic Chemistry.** This course is conducted by recitations and laboratory work which continues through thirteen weeks. The different compounds are arranged in groups according to their constitution, and the properties and relationship of the different groups are studied. Individual compounds of each group, particularly those of medical interest, are studied in detail. Numerous compounds, important in themselves or exemplifying important methods of preparation, are made in the laboratory, and qualitative tests on many of the important drugs are performed. PROF. MARYOTT.

4. **Physiological Chemistry.** The chemistry of the proteins, fats, and carbohydrates, with their important reactions and changes within the body, is first considered. This is followed by a study of the various body tissues and secretions. Considerable time is devoted to the qualitative and quantitative studies of the urine. The course continues through thirteen weeks. PROF. MARYOTT.

ANATOMY

PROFESSOR HUGH NELSON PAGE
ASSISTANT PROFESSOR JOHN ALLEN JOHNSTON

This department offers a group of courses intended to give a comprehensive view of the normal structure of the human body. The development, the gross and the microscopic anatomy of man are offered in parallel courses in order to conserve their proper relation.

The material for dissection is plentiful. The laboratories are amply equipped with apparatus, charts and models for the proper conduct of these courses. A good working library, comprising the usual atlases and books of reference, is attached to the department and is always available for the use of the student.

1. **General Embryology.** The phenomena of fertilization, cell division and the formation of the germ layers, are first considered in this course. This is followed by the development of the various systems of the human body. The use of chick and pig embryos for dissection and microscopic study is amplified by the study of serial sections of the human embryo. *First year. Twenty-four hours a week, 96 hours.* PROF. JOHNSTON.

2. **Histology and Organology.** The study of the microscopic anatomy of the cell and the elementary tissues is first taken up in this course, followed by the study of the minute structure of the adult organs. This is largely a laboratory course and consists of the microscopic study of both teased and stained preparations. The student is required to make drawings of these from actual observation. Lectures, recitations and demonstrations with the projection microscope complete the course. An ample loan collection of prepared slides is made each student for his own use. *First year. Twenty-four hours a week, 168 hours.* PROF. JOHNSTON.

3. **Osteology.** The student is expected to acquire a thorough knowledge of the bones of the human body before beginning Course 4. To this end he is furnished with a skeleton for private study, from which he is required to make drawings. The course is amplified by demonstrations and recitations. *First year. Three hours a week, 33 hours.* PROF. PAGE.

4. **Systematic Course in the Dissection of the Human Body.** This course extends through the first two years.

(a) In the first year the students in groups of four take up the gross anatomy of the various systems of the human body.

First the muscles are dissected and the origin and insertion indicated upon the osteological drawings. This is followed by dissection and study of the articulations, the organs, and the blood vessels. At frequent intervals during the course practical examinations are given and daily conferences and demonstrations are held. *First year. Twenty-four hours a week, 312 hours.* PROF. PAGE.

(b) In the second year the student continues Course *(a)*, and is required to dissect one-half of the human body, which for this purpose is divided into four parts: head and neck, upper extremity, thorax and abdomen, lower extremity. Upon the completion of each part a practical examination is given and a final examination is required upon the completion of the course. Daily conferences and demonstrations are held throughout the term. *Second year. Sixteen hours a week, 304 hours.* PROF. PAGE.

5. **Neurology.** In this course the development, the gross and the microscopic anatomy of the central nervous system are followed by the consideration of the organs of special sense. This is primarily a laboratory course and ample loan collections are furnished, which the student is expected to study and sketch. Recitations and demonstrations of special preparations and models complete the instruction. *First year. Ten hours a week, 100 hours.*

PROF. PAGE.

6. **Topographical and Applied Anatomy.** This course continues Course 4, and considers the application of anatomy to the practice of medicine and surgery. Large use is made of cross-sections of the human body, special preparations, special dissections and the living model. *Third year. Three hours a week, 42 hours.*

PROF. PAGE.

7. **Advanced Anatomy.** To those students and graduates properly qualified, courses will be offered in gross and microscopic human and comparative anatomy, in embryology, and in laboratory technique. The various members of the staff will direct the work.

8. **Investigation.** To a few properly qualified graduates the department offers encouragement and opportunity to learn, under the direction of Professor Page, the usual methods of research employed in anatomy. The laboratories are well equipped for this work.

PHYSIOLOGY AND PHARMACOLOGY

PROFESSOR WILLIAM D. CUTTER

The course in physiology occupies the first two trimesters of the second year, following the course in physiological chemistry given in the latter part of the first year, and serving as a foundation for the work in pharmacology during the remainder of the second year. The laboratory is equipped with lanterns for opaque and transparent projection, galvanometers, continuous roll kymographs, time clocks, etc., and is supplied with electric current from storage batteries. There is a well equipped workshop for the repair and construction of apparatus.

1. **Physiology.** Recitations, demonstrations and conferences on assigned topics cover systematically the subject of human physiology. *Six hours a week,* 120 *hours.* PROF. CUTTER.

2. **Laboratory Physiology.** The students working in pairs, perform experiments illustrating the more important principles underlying the functions of the organs and tissues. Careful observations and records are required. *Fifteen hours a week,* 135 *hours.* PROF. CUTTER.

3. **Pharmacology.** A study of the action of drugs, including their doses, pharmacopeial preparations and therapeutic use, conducted in the same manner as Course 1. *Six hours a week,* 84 *hours.* PROF. CUTTER.

4. **Laboratory Pharmacology.** A series of experiments which illustrates all of the more important types of pharmacological action. *Fifteen hours a week,* 90 *hours.* PROF. CUTTER.

PATHOLOGY AND BACTERIOLOGY

PROFESSOR RICHARD V. LAMAR
ASSISTANT PROFESSOR EVERARD A. WILCOX
DR. LOUIS W. FARGO
DR. SAMUEL LICHTENSTEIN

The laboratories have been completely equipped anew with furniture, apparatus and materials of the best standard quality.

General pathology, general and special morbid anatomy and histology, bacteriology, surgical pathology, and also clinical pathology are taught by laboratory work, demonstrations, lectures and recitations. The courses in pathology come in the second and third years; those in bacteriology in the first and second. In the laboratories each student is supplied with a microscope, the necessary apparatus, and a locker. The students work separately, except that in the autopsy room and occasionally in the bacteriological laboratory they work in pairs.

1. **Autopsies.** The autopsies will be made in the morgue. The second and third classes are required, and the fourth encouraged, to attend. The second class becomes familiar through witnessing, and the third class, already prepared by the previous year's study, is taught to actually perform the work and to draw up the protocols. The average number of sections during the college session is more than forty. PROFESSORS LAMAR AND WILCOX

2. **General Pathology, General and Special Morbid Anatomy and Histology.** The course is essentially practical. In the exercise a short lecture precedes the demonstration of gross specimens which the student is required to describe and usually to sketch. The microscopical preparations are then demonstrated individually and sketched by the student. The museum is well supplied with clean and attractive manageable specimens. For the morbid histology the loan system is followed, each student being supplied with more than one hundred slides of which he takes absolute possession for the whole period of the course. *Second year, twelve hours a week, 264 hours.* PROF. WILCOX.

3. **Bacteriology.** Lectures upon the historical development of bacteriology, upon the systematic position of the bacteria, their general properties and classification, and their relation to fermentation, putrefaction and infectious diseases introduce the subject which is then taught practically in the laboratory. The student learns at first

hand the methods of sterilization, the preparation of culture media, and the cultivation, isolation and identification of bacteria, beginning with certain saprophytes. Then the commoner species pathogenic for man are studied in detail. The laboratory exercise is preceded by a short talk in which the aim and principle of what the student is about to do is made clear for him. *First year, fifteen hours, a week,* 165 *hours.* PROF. LAMAR AND DR. LICHTENSTEIN.

4. **Infection and Immunity.** A course of lectures with demonstrations. History and practical application are made prominent. *Second year, two hours a week, 22 hours.* PROF. LAMAR.

5. **Surgical Pathology.** (*a*) All material from the hospital operating rooms and the out-patient surgical clinics is supplied for this course. An outline of the history of the patient from whom the specimen was removed is read and the operation stated. The fresh specimen is first demonstrated and then given to the student to study. Sketches are made when practicable. Tissue for microscopic examination is then selected for further study by the class at a later exercise.

(b) In addition to the abundant supply of fresh surgical specimens, museum preparations are utilized as the basis of a regular course in which gynecological pathology and the principal surgical diseases are studied. This is amplified by lantern slide and projection demonstrations. Microscopic slides of tumors and curettings are submitted for study throughout the course. *Third year, four hours a week,* 36 *hours.* PROF. WILCOX.

6. **Clinical Pathology.** This course prepares the student for his laboratory work in the clinic and the ward. The common methods of making laboratory examinations of material from the sick are taught systematically, beginning with the blood, and comprising the urine, sputum, feces, and exudates. The necessary material is supplied by the hospitals and clinics. The student himself makes all of the examinations except the Wassermann test which is demonstrated in detail. The notebook is required and recitations are held. *Third year, nine hours a week,* 126 *hours.* PROF. LAMAR AND DR. LICHTENSTEIN.

7. **Advanced Work.** Encouragement and opportunity are afforded to qualified students to follow advanced work, and to a few graduates to learn, under the supervision of Prof. Lamar, the methods of investigation commonly employed in research in pathology and bacteriology. For these purposes the laboratory is suitably equipped with apparatus and supplied with material.

MEDICINE

PROFESSOR THOMAS D. COLEMAN
PROFESSOR EUGENE E. MURPHEY
PROFESSOR NOEL M. MOORE
PROFESSOR WILLIAM R. HOUSTON
PROFESSOR CHARLES J. MONTGOMERY
ASSOCIATE PROFESSOR WILLIAM A. MULHERIN
ASSOCIATE PROFESSOR PERLEY P. COMEY
ASSISTANT PROFESSOR MOSES S. LEVY
DR. J. H. HONAN
DR. JNO. C. WRIGHT
DR. H. J. BAKER
DR. G. T. BERNARD
DR. WILLIAM J. CRANSTON
DR. JAMES R. LITTLETON
DR. KING W. MILLIGAN
DR. S. J. LEWIS

The course in physical diagnosis in the second year lays the foundation for the medical courses that are to follow. During the third year more advanced work in physical and medical diagnosis is given, using chosen cases from the abundant material of the medical out-patient department. During this year a comprehensive survey of medicine is given by means of an extensive quiz course based on Osler's Practice. In the fourth year two hours weekly are devoted to lectures, and the remainder of the student's time to clinical and bedside work. Each medical case entering the hospital is at once assigned to a student who is made responsible for a thorough study of the present state and future progress of the case. In both recitation and clinical periods due attention is given to applied therapeutics.

1. **Physical Diagnosis.** Demonstrations and practical exercises in the technique of physical diagnosis. *Second year, twelve hours a week,* 108 *hours.* PROF. HOUSTON AND DR. J. C. WRIGHT.

2. **Hygiene.** Lectures on hygiene and preventive medicine. Lectures upon the transmission and prevention of infectious diseases, ventilation, occupational diseases and other subjects bearing upon the maintenance of health. *Second year, three hours a week for eleven weeks,* 33 *hours.* PROF. MONTGOMERY.

3. **Medicine.** A large part of general medicine is covered

in this course by means of recitations based on Osler's Practice of Medicine with collateral reading. Diseases that can be studied in the clinics are passed over rapidly. *Third year, three hours a week throughout the year, 99 hours.*

DRS. LEVY, BAKER AND WRIGHT.

4. **Medicine.** Practical instruction to small sections in the out-patient department. History taking, physical examination, differential diagnosis and treatment of medical cases; 4,803 medical cases were examined and treated during the teaching days of the past session. *Third year, twelve hours a week for twelve weeks, 144 hours.* DRS. LEVY AND WRIGHT.

5. **Therapeutics.** A course designed to give the student a practical knowledge in the treatment of disease. The general condition under which each drug is used in pathological conditions, and its application, are fully discussed. The action of such drugs as are indicated in certain diseases, and the best preparation to be used, are thoroughly considered. *Third year, 72 hours.*

PROF. COMEY.

6. **Lecture and Recitation Course.** The aim is for the student to gain a theoretical knowledge of the most important internal diseases according to the current classification. Diseases that can be thoroughly studied in the clinics are passed over rapidly. *Fourth year, 30 hours.* PROF. COLEMAN.

7. **Cardio-Vascular Diseases.** Lectures and demonstrations with special reference to the study of tracings of the venous and arterial pulse and the employment of balneotherapy. *Fourth year, 18 hours.* DR. HONAN.

8. **Ward Work.** For a period of sixteen weeks, one-half of the fourth class is assigned to duty in the medical wards of the hospitals. Each medical case in the ward is assigned to one student who is required to record the history and the physical findings, and to make the routine laboratory examinations. Each student during the past session has had an average of four patients continuously under his care. The student is required to make rounds with the visiting physician daily and take notes on the clinical course of the case and the therapeutic measures employed. *Fourth year, twelve hours a week for sixteen and one-half weeks, 198 hours.* PROFS. MURPHEY AND HOUSTON.

9. **Work in the Out-Patient Department.** In this course the

student is assigned a newly admitted patient. After the student has taken the history and made a physical examination, the physician in charge goes over the case with him, pointing out omissions or defects in his work and consulting as to the differential diagnosis, the prognosis and treatment. About 2,000 new patients were admitted to the medical rooms of the out-patient department during the past session. *Fourth year, 82 hours.*

PROF. HOUSTON, DRS. LEVY, WRIGHT, BAKER AND LEWIS.

10. Medical Jurisprudence. A lecture course on this subject from the medical and legal aspect. *Third year, 33 hours.*

PROF. MONTGOMERY AND MR. BLACKSHEAR.

SUB-DEPARTMENT OF PEDIATRICS

PROFESSOR NOEL M. MOORE
ASSOCIATE PROFESSOR WM. A. MULHERIN
DR. LEE W. VERDERY
DR. JAMES K. MCCLINTIC

Realizing that only by actual study of sick children can the important diagnostic and therapeutic differences peculiar to this branch of medicine be mastered, it has been the policy of this department to make the work essentially practical. The subject is taught throughout the fourth year.

1. Didactic.

(a) During the first semester the students are instructed in the care of the new-born, diseases of the new-born, growth and development, nutritional diseases, and infant feeding. *Two hours a week.* PROF. MULHERIN.

(b) During the second semester the various diseases of infancy and childhood are taught by class conferences on original case histories obtained by the students during their work in the pediatric clinic. At these class conferences one student leads the discussion on the particular disease being studied. He discusses one or more case histories obtained from his own experience in the clinic, and makes a study of the case records on this subject kept on file in the department index. Other students having case histories further discuss the subject and the conference is closed by the instructor reviewing the more important points to be emphasized. *Two hours a week.* PROF. MOORE.

2 **Clinical.**

(a) Hospital. The Pediatric ward in the University Hospital and the Wilhenford Children's Hospital, located on the college campus, offer excellent opportunities for the teaching of infant feeding and for the study of those infants referred from the clinic or too ill to be brought to the clinic. A section of the class makes rounds in these wards and is instructed in the preparation of infant food. *Two hours a week.* PROF. MULHERIN AND DR. VERDERY.

(b) Policlinic. In order to make it possible for each student to follow his clinical cases, a small section of the class consisting of three or four students is required to work in the pediatric clinic two hours each day for eight weeks.

The attendance at the pediatric clinic during the past session was 1,190. The variety of cases was such as to make it possible in the class conferences on diseases of infancy and childhood to illustrate practically each disease by case histories taken by the students during their work in the clinic. *Ten hours a week.*

PROF. MOORE AND DR. MCCLINTIC.

SUB-DEPARTMENT OF DERMATOLOGY

DR. G. T. BERNARD

1. Recitations based on a standard text book in Dermatology are given throughout one trimester. *Third year, eighteen hours.*

2. The dermatological clinic is attended by the class during one trimester; 666 patients were treated in the dermatologic section of the out-patient department during the teaching days of the session. *Third year, 36 hours.* DR. BERNARD.

SUB-DEPARTMENT OF NEUROLOGY

PROFESSOR W. R. HOUSTON
DR. WILLIAM J. CRANSTON

1. A recitation and lecture course on organic diseases of the nervous system. Taylor's Case Teaching in Neurology is gone over with collateral reading in the standard texts. *Third year, 33 hours.*

DR. CRANSTON.

2. A lecture and recitation course in neuroses and psychoses. On certain days clinical cases illustrating organic nervous diseases are presented to the class. *Fourth year,* 66 *hours.*

PROF. HOUSTON.

3. **Clinical Psychiatry.** The class is taken for one week to the State Sanitarium for the Insane, where clinical demonstrations are given throughout the morning, afternoon and evening. *Fourth year,* 32 *hours.* DR. CRANSTON.

DEPARTMENT OF SURGERY

PROFESSOR T. R. WRIGHT
PROFESSOR WM. H. DOUGHTY, JR.
PROFESSOR W. H. GOODRICH
PROFESSOR CHAS. W. CRANE
PROFESSOR H. M. MICHEL
ASSOCIATE PROFESSOR GEORGE A. TRAYLOR
DR. W. W. BATTEY
DR. ASBURY HULL
DR. G. T. BERNARD
DR. H. W. SHAW
DR. J. R. ROBERTSON
DR. W. H. ROBERTS

Instruction in surgery is by means of lectures, recitations and individual clinical work. It begins in the second year with an introductory course on the Principles of Surgery, leading to the major courses of the third and fourth years. The practical work in the third year consists of minor surgery and general surgery done in the out-patient department; in the fourth year it is in general surgery at the hospital and the special departments of surgery in the out-patient department. Theoretical instruction is continued during these years.

1. **Introduction to the Principles of Surgery.** A course of lectures and recitations bearing on the relations between laboratory work in pathology and bacteriology on the one hand and practical surgery on the other. *Second year, four hours a week, 36 hours.* DR. BERNARD.

2. **Principles of Surgery.** A recitation course on assigned surgical reading. So far as possible the essentials not given in other courses are covered. *Third year, 99 hours.*
DRS. BATTEY AND HULL.

3. **Clinical Surgery.** This course is given in the out-patient department. The class is divided into small sections. Under the supervision of the instructor the students apply dressings and bandages, perform minor operations and conduct the treatment as far as advisable; 2,155 cases were treated during the teaching days of the past session. *Third year, each section six hours a week for twelve weeks, 72 hours.*
PROFS. CRANE AND MICHEL, DRS. HULL AND SHAW.

4. **Genito-Urinary Surgery and Venereal Diseases.** This course covers all of the more common diseases included under this title. Special attention is devoted to the investigation of the upper urinary tract by modern diagnostic methods. *Fourth year, one hour a week, 33 hours.* PROF. GOODRICH.

5. **Clinical Genito-Urinary Surgery.** A continuous service in the out-patient department. Practical training in diagnosis and treatment, including the use of the cystoscope. In this department 2,759 patients were treated during the teaching days of the past session. *Fourth year, ten hours a week for eight weeks, 82 hours.* DRS. ROBERTSON AND ROBERTS.

6. **Practice of Surgery.** Recitations and lectures cover the points in regional surgery that have not been taken up in the clinical course. *Fourth year, twice weekly throughout the session, 66 hours.* PROFS. WRIGHT AND DOUGHTY.

7. **Operative Surgery.** Instruction is given by the actual practice of surgical operations performed on the cadaver and on animals. Special attention is paid to those operations which may be required in an emergency as life-saving procedures. *Third year, four hours a week, nine weeks, 36 hours.* PROF. CRANE.

8. **Surgical Pathology.** This course is given in the laboratory of pathology. It consists of the demonstration of tumors, and the study of gross and microscopical specimens, utilizing material from the museum, the out-patient department and hospital operating rooms. *Third year, four hours a week, 36 hours.* PROF. WILCOX.

9. **Orthopedic Surgery.** Lecture course. This course is devoted to the symptomatology, pathology and differential diagnosis of chronic and progressive deformities and deforming diseases of childhood, including the mechanical and operative treatment. *Fourth year, three hours a week, 33 hours.* PROF. MICHEL.

10. **Operative Surgery.** A course in the clinical and operative treatment of orthopedic cases in the University Hospital and the Children's Hospital. *Fourth year, 16 hours.* PROF. MICHEL.

11. **Clinical Surgery.** This course consists of work in the hospital wards and operating rooms. The class is divided into sections, each section in turn serving as clinical clerks. Cases are assigned to each clerk who is required to secure a com-

plete history and make such examinations, physical or laboratory, as may be essential. In the event of an operation the student assigned to the case will be required to assist and make the record of it. All major operations performed in the hospitals are attended by the group of students assigned to surgical service. *Fourth year, eight hours a week, sixteen and one-half weeks,* 132 *hours.*

PROFS. WRIGHT, DOUGHTY, GOODRICH AND CRANE.

12. **Anesthesia.** (*a*) Principles. A course of lectures. *Third year, one hour a week,* 12 *hours.*

(*b*) Practice. The student is taught practice of anesthesia during the operations at the hospital clinic. This work is supervised by an instructor who assumes all responsibility for the patient and who remains with the student during the operation. *Fourth year.*

DR. BRYANS.

SUB-DEPARTMENT OF GYNECOLOGY

PROFESSOR GEORGE A. WILCOX*
DR. C. I. BRYANS
DR. GEO. T. HORNE
DR. JAMES F. BURDASHAW

1. **Principles of Gynecology.** A recitation and lecture course covering the anatomy and physiology of the female pelvic organs and the principles and practice of gynecology. *Fourth year,* 66 *hours.* DR. BRYANS.

2. **Clinical Gynecology.** A course in the clinical examination and diagnosis of cases in the out-patient department. 2,172 patients were treated during the teaching days of the past session. *Fourth year.* DRS. BRYANS, HORNE AND BURDASHAW.

3. **Operative Gynecology.** This work is carried on along with the general surgery by the section assigned to surgical duty in the hospital. *Fourth year,* 33 *periods.*

*Deceased

DEPARTMENT OF OBSTETRICS

PROFESSOR JOSEPH EVE ALLEN*
ASSOCIATE PROF. GEORGE A. TRAYLOR.
DR. ANDREW J. KILPATRICK
DR. J. M. CALDWELL
DR. HINTON C. EVE

Instruction is both didactic and practical. It begins in the third year with courses upon the anatomy of the female organs of generation and the physiology of normal pregnacy and labor. Manikin work follows this theoretical instruction. Then during the fourth year comes the indispensible practical work in the management first of normal, later of abnormal, pregnacy and labor. The department has made every endeavor to develop its clinical resources.

The out-patient obstetrical service has been cultivated to such an extent that it affords opportunity for each student to attend at least fifteen cases. He is required to manage at least six. During the term of his service the student resides in the hospital so as to be available at all times. While there he also assists in the deliveries in the obstetrical wards.

1. Didactic.

(*a*) Recitations on the anatomy of the female organs of generation and the physiology of pregnacy. *Third year, one hour a week first and second trimesters.* DR. KILPATRICK.

Manikin work. The mechanism and technique of normal delivery alone is taught. *Third year.* DR. CALDWELL.

Lectures and quizzes throughout the year on the management of normal pregnacy and labor. *Third year, one hour a week.* PROF. TRAYLOR.

(*b*) Lectures and recitations on obstetrical operations and the management of abnormal labor. *Fourth year, one hour a week.*

Manikin work. The student is taught all operative deliveries, both normal and abnormal. *Fourth year, one hour a week.* PROF. TRAYLOR.

2. Clinical.

(a) Out-Patient Obstetric Service. Each senior student serves in the out-patient obstetrical service at least one month. During

*Deceased.

this time he attends personally all maternity cases, whether at term or premature. The character of the material in tne out-patient department insures a variety of experience.

Ante-partum histories of all patients are taken by students and preserved. Patients are seen regularly either at their homes or in the clinic. Examinations of urine, blood, etc., are made, dietetic treatment instituted, and needed ante-partum instructions given.

Pelvimetry is done on each clinical patient, and each student is taught this procedure practically.

During the progress of labor the student keeps accurate account of the duration of each stage and of everything that develops as the case progresses. Upon his return to the hospital he writes up the labor in detail, including measurements and a general description of the child. After delivery he visits the patient at least once a day for ten days.

Toxæmic and operative cases are sent to the hospital for treatment. The ordinary cases are taken care of in their homes.

The average number of cases per student in the present graduating class was seventeen. The student managed ten of these, and in the other seven he acted as assistant. PROF. TRAYLOR.

(b) Hospital Service. During the period of their assignment to the out-patient service students are required to live in the hospital so as to be within reach at all times. There they deliver the uncomplicated cases and take part in the management of the difficult and operative cases. Their whole work is done under constant supervision.

PROF. TRAYLOR AND DRS. KILPATRICK, CALDWELL AND EVE.

OPHTHALMOLOGY AND OTO-LARYNGOLOGY

PROFESSOR JAMES M. HULL
PROFESSOR T. E. OERTEL
PROFESSOR W. C. KELLOGG
PROFESSOR W. C. LYLE

1. **Principles of Ophthalmology and Oto-Laryngology.** Instruction in these branches is given by means of didactic lectures, clinical lectures and demonstrations. Diseases of the organs of special sense are covered in a systematic way, special attention being paid to pathology and diagnosis. *Third year, one hour a week, 33 hours.* PROF. HULL.

2. **Ophthalmic Surgery.** A course in the operative treatment of eye diseases and injuries. *Fourth year, one hour a week, first trimester, 11 hours.* PROF. OERTEL.

3. **Surgery of the Ear.** A course of lectures and demonstrations of the principles of otologic surgery. *Fourth year, one hour a week, second trimester, 11 hours.* PROF. LYLE.

4. **Laryngology.** A course in surgical treatment of diseases and defects of the nose and throat. *Fourth year, one hour a week, 11 hours.* PROF. KELLOGG.

5. **Clinical.** A continuous service in the policlinic. Practical training in diagnosis and treatment of diseases of the eye, ear, nose and throat. Instruction in the use of special diagnostic instruments. During the last session 1,674 patients were treated in this department. *Fourth year.*
PROFESSORS HULL, OERTEL, KELLOGG AND LYLE.

6. **Clinical Surgery.** This course consists of work done in the operating rooms of the hospitals. Operations in this department are attended by a group of the students assigned to the surgical service. *Fourth year, one hour a week for whole session, 33 hours.* PROFS. HULL, OERTEL, KELLOGG AND LYLE.

MICROSCOPES

The College lends, with the privilege of purchase, a microscope to each student.

TEXT-BOOKS

Text-books, instruments, etc., at a cost of from $25.00 to $50.00 a year, may be obtained from the University store.

BOARD

Board may be had in the vicinity of the Medical College at from $4.00 to $6.00 per week.

STUDENTS 1914-1915

FOURTH YEAR

Wiles Homer Allen.....Rochelle, Ga.
Arthur Hall Drane.....Buena Vista, Ga.
Wilbur Gibson Jenkins.....Eatonton, Ga.
Joseph Laurence Johnson.....Abbeville, Ga.
John Ransom Lewis.....Sparta, Ga.
Claude Goldwire Scruggs, Jr.....Valdosta, Ga.
Carl Conard Timmons.....Arlington, Ga.
Lucius Newton Todd.....Augusta, Ga.
William Carey Verdery.....Harlem, Ga.
William Bowers Watts, Jr.....Byromville, Ga.
John Anderson White.....Hartwell, Ga.
Solomon Youmans .....Swainsboro, Ga.

THIRD YEAR

Kelso A. Carroll.....Tennille, Ga.
Abram Raymond Haisfield.....Griffin, Ga.
James Arthur McGarity.....Temple, Ga.
L.I., State Normal School, Athens, Ga.
Robert E. McGill.....Commerce, Ga.
John Judson Pilcher.....Stellaville, Ga.
A. B., Mercer University, Macon, Ga.
Nathan Poliakoff .....Augusta, Ga.
William Riley Schnauss.....Valdosta, Ga.
Lockland B. Tyler.....Ocilla, Ga.
L.I., State Normal School, Athens, Ga.

SECOND YEAR

Thomas Benjamin Barron..... McWhorter, Ga.
Frank Rudisill Bealer.....Atlanta, Ga.
Iverson Clark Case .....Milledgeville, Ga.
Owen Adams Coleman.....Augusta, Ga.
Arthur Aaron Derrick.....Goodman, Miss.
Charles Cowdrey Fitts.....Carrollton, Ga.
William Talmage Freeman.....Matthews, Ga.
William Hamilton Gaines.....Hartwell, Ga.
Charles Rush Gray.....Gainesville, Fla.
Lloyd Belt Greene.....Grovetown, Ga.
Paul Lovejoy Holliday.....Athens, Ga.
Ezekiel Hurst .....Mershon, Ga.
L.I., State Normal School, Athens, Ga.

Nathaniel Hawthorne Lang.....Waverly, Ga.
William Harris Mathis.....Collier, S. C.
Walter Eugene Mobley.....Camak, Ga.
Isaac Jefferson Parkerson.....Eastman, Ga.
John Erwin Penland.....Blairsville, Ga.
Carl Phillips Persons.....Monticello, Ga.
Oscar Smith Spivey.....Eatonton, Ga.
Martin Ross Wagner.....Mountain City, Tenn.

FIRST YEAR

Henry Dawson Allen, Jr.....Milledgeville, Ga.
Frank Harold Boyd, Jr.....Allendale, S. C.
Frank Bartow Enneis.....Savannah, Ga.
George Lombard Kelly.....Augusta, Ga.
A.B., University of Georgia
Mack Lewis Langford.....Brunson, S. C.
Joseph Bruce Logue.....Spread, Ga.
Herbert Watson Moon.....Baxley, Ga.
Edgar Pund .....Augusta, Ga.
A.B., University of Georgia
Francis Proctor Rivers.....Valdosta, Ga.
Madison Hines Roberts.....Milledgeville, Ga.
Amory Audrey Rogers.....Commerce, Ga.
B.S., North Georgia Agricultural College, Dahlonega
Roy Lee Rountree.....Summit, Ga.
Joseph Spencer Stewart, Jr.....Athens, Ga.
James Frank Wilson.....Douglas, Ga.

LIST OF TEXT-BOOKS

ANATOMY—Cunningham; Campbell.
HISTOLOGY—Bailey.
EMBRYOLOGY—Bailey & Miller.
NEUROLOGY—Villiger.
CHEMISTRY—Holland.
BACTERIOLOGY—Hiss & Zinsser.
PHYSIOLOGY—Howell.
PATHOLOGY—Adami & McRae.
PHARMACOLOGY—Cushny.
SURGERY—DaCosta; Stewart.
ORTHOPEDICS—Bradford-Lovett.
EYE—May.
EAR, NOSE AND THROAT—Gleason.
MEDICINE—Osler.
PEDIATRICS—Holt.
NERVOUS AND MENTAL DISEASES—Taylor, Case Histories; White, Psychiatry.
DERMATOLOGY—Schamberg.
OBSTETRICS—Williams; Edgar.
GYNECOLOGY—Gilliam.

TRAINING SCHOOL FOR NURSES

The University Hospital maintains, under direction of the Faculty of the College, a training school for nurses, composed of two units: One in the Barrett wing, for white nurses, and one in the Lamar wing, for negro nurses. The course of training is three years in duration. The school was registered by the New York State Board of Regents in 1905.

Persons desiring more information about the Training School may address

MISS MORAN,
University Hospital, Augusta, Ga.

FIRST YEAR

September 16th to December 4th (11 Weeks)	December 6th to March 8th (13 Weeks)
9—1 *Daily* EMBRYOLOGY, HISTOLOGY, OSTEOLOGY	9—1 *Daily* DISSECTION
2:30 *to* 5:30 *Daily except Saturday* CHEMISTRY	
March 13th to May 20th (10 Weeks)	
9—12 *Daily except Wednesday* BACTERIOLOGY	9—1 *Wednesday* NEUROLOGY
2:30—5:30 *Tuesday, Wednesday, Thursday* CHEMISTRY	2:30—5:30 *Monday and Friday* NEUROLOGY

SECOND YEAR

Forenoon

September 16th to February 12th (20 Weeks)	February 14th to May 20th (14 Weeks)
9—10 *Daily* PHYSIOLOGY	9—10 *Daily* PHARMACOLOGY

Sept. 16th to Nov. 20th (9 Weeks)	November 22nd to April 8th (19 Weeks)		April 10th to May 20th (6 Weeks)
10—1 *Daily except Monday* PHYSIOLOGY	10—11 *Tues. and Sat.* BACTERIOLOGY AND HYGIENE 11—1 *Tues. and Sat.* DISSECTION	10—1 *Mon., Wed., Thurs. and Fri.* DISSECTION	10—1 *Daily except Monday* PHARMACOLOGY

Afternoon

September 16th to March 11th (24 Weeks)	March 13th to May 20th (10 Weeks)
2:30—5:30 *Daily except Saturday* PATHOLOGY	3—5 *Daily except Saturday* PHYSICAL DIAGNOSIS 5—6 *Monday, Wednesday and Friday* PRINCIPLES OF SURGERY

THIRD YEAR

September 16th to December 23rd (14 Weeks)

	Monday	*Tuesday*	*Wednesday*	*Thursday*	*Friday*	*Saturday*
9—10	ANATOMY	Clinical PATHOLOGY	ANATOMY	Clinical PATHOLOGY	ANATOMY	Clinical PATHOLOGY
10—11						
11—12	SURGERY		SURGERY		SURGERY	
12—1	MEDICINE	THERAPEUTICS	MEDICINE	THERAPEUTICS	MEDICINE	THERAPEUTICS

January 3rd to May 20th (20 Weeks)

	Monday	*Tuesday*	*Wednesday*	*Thursday*	*Friday*	*Saturday*
9—10	E. E. N. T.	E. E. N. T.	DERMATOLOGY	E. E. N. T.	E. E. N. T.	DERMATOLOGY
10—11	MANIKIN		ANESTHESIA	MEDICAL JURISPRUDENCE	STATE MEDICINE (10 WEEKS)	
11—12	SURGERY	OBSTETRICS	SURGERY	OBSTETRICS	SURGERY	OBSTETRICS
12—1	ORTHOPEDICS	MEDICINE	THERAPEUTICS	MEDICINE	ORTHOPEDICS	MEDICINE

FOURTH YEAR

	Monday	*Tuesday*	*Wednesday*	*Thursday*	*Friday*	*Saturday*
9—11	Sec. A. WARD WORK MEDICINE, University Hospital. Sec. B. OPERATIVE CLINIC, University Hospital.					
11:15 to 12:15	SURGERY	PEDIATRICS	GYNECOLOGY	SURGERY	PEDIATRICS	GYNECOLOGY
12:15 to 1:15	NERVOUS and MENTAL	MEDICINE 1st and 2nd TRIMESTER	NERVOUS and MENTAL	GENITO-URINARY	MEDICINE 1st and 2nd TRIMESTER	OBSTETRICS
3—5	PEDIATRIC CLINIC, Section A. GYNECOLOGICAL CLINIC, Section B. GENITO-URINARY CLINIC, Section C. MEDICAL CLINIC, Section D. EYE, EAR, NOSE AND THROAT CLINIC, Section E.					Wilhenford Hospital Section A

Sections rotate every eight weeks.

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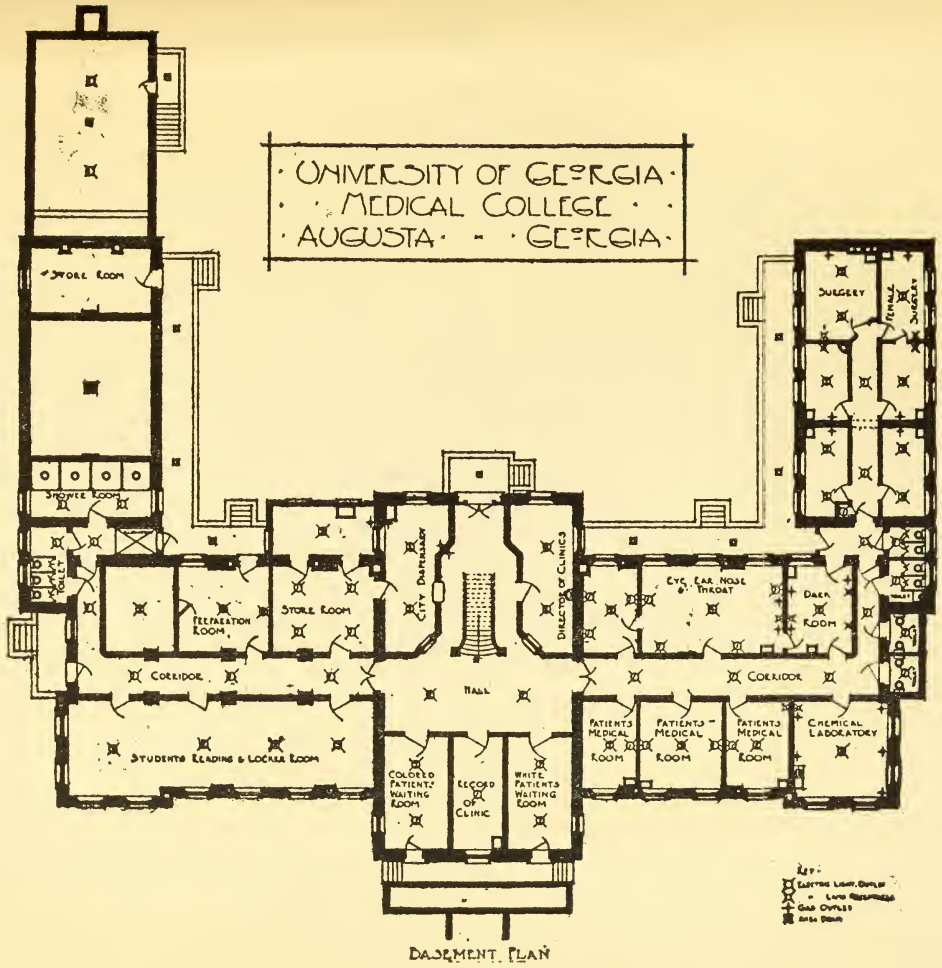
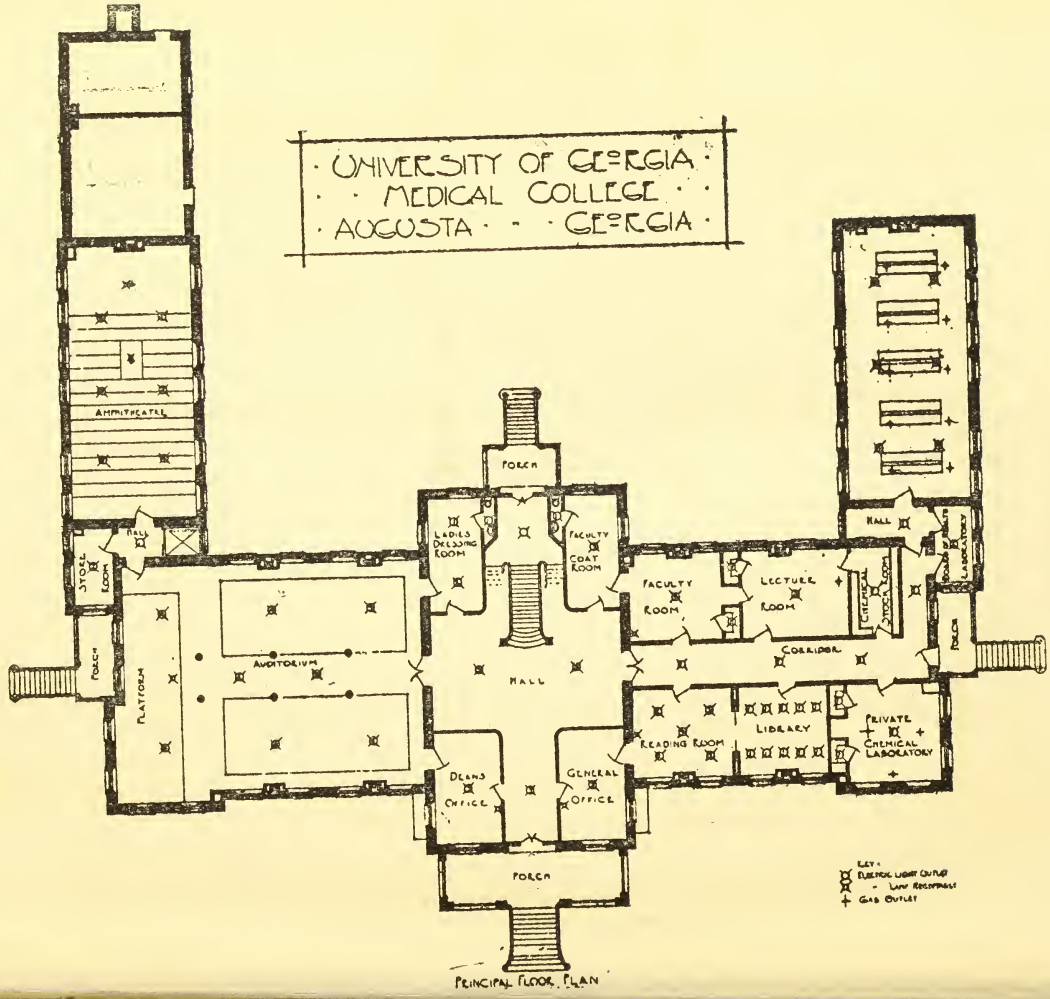
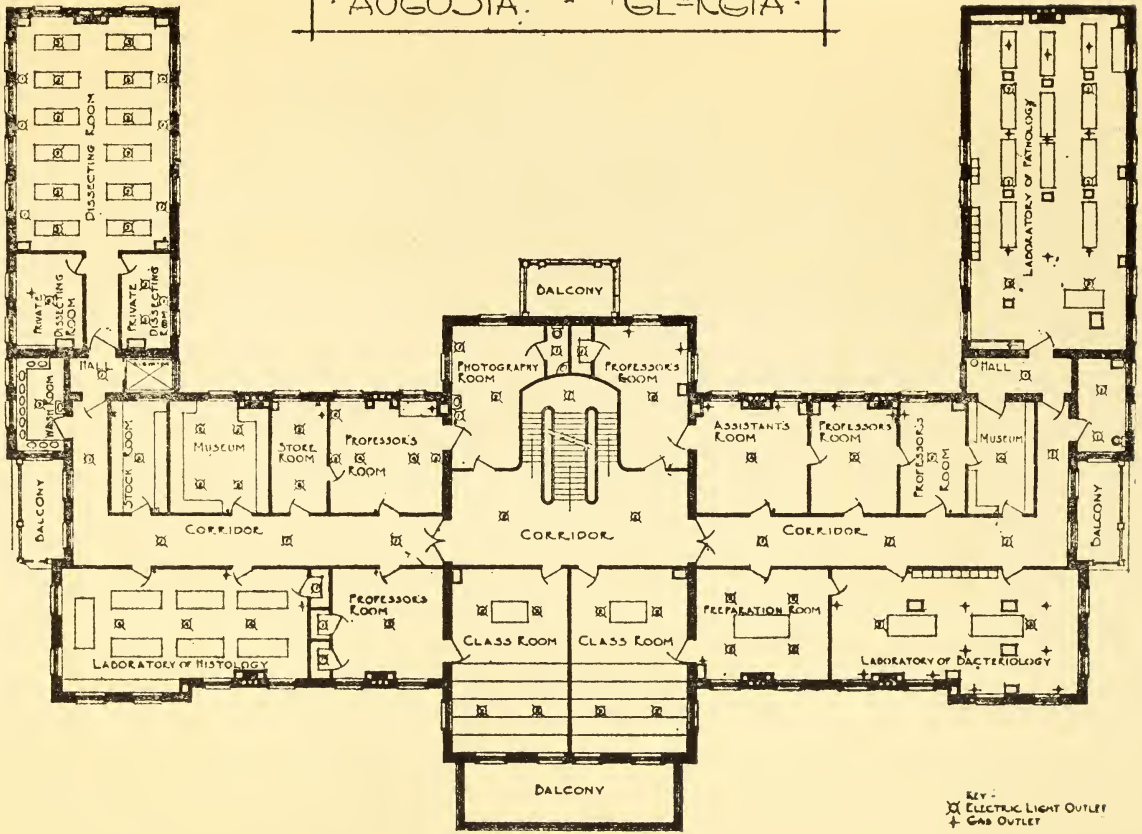


BASEMENT PLAN



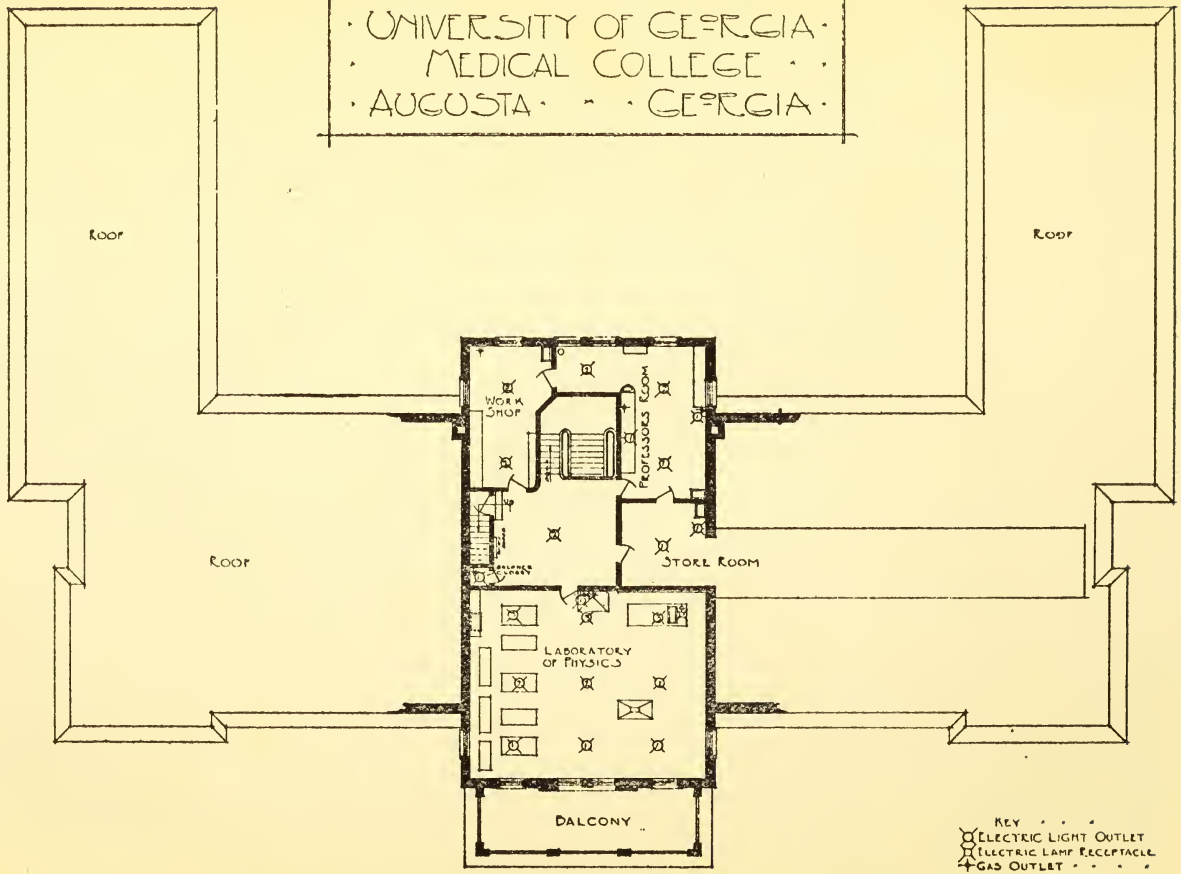
PRINCIPAL FLOOR PLAN

UNIVERSITY OF GEORGIA
MEDICAL COLLEGE
AUGUSTA - GEORGIA



SECOND FLOOR PLAN

UNIVERSITY OF GEORGIA
MEDICAL COLLEGE
AUGUSTA · · GEORGIA



THIRD FLOOR PLAN

NEW UNIVERSITY HOSPITAL, AUGUSTA, GA.

WILHENFORD CHILDREN'S HOSPITAL